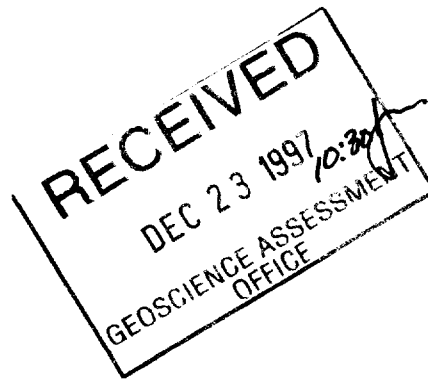


DIAMOND DRILL REPORT
FOR
PELANGIO LARDER MINES LIMITED AND COPPER DOME MINES LTD.
ON THE
POIRIER JOINT VENTURE PROPERTY
WITHIN
BRISTOL TOWNSHIP
NORTHERN ONTARIO

2 - 18034



By: J. K. Filo, P. Geo. (B.C.)

November 10, 1997



42A05NE0168 2.18034 BRISTOL

010

TABLE OF CONTENTS

Part 1

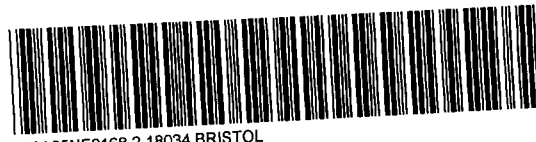
Introduction.....	1
Property, Location, and Access.....	1
Topography and Vegetation.....	2
Property History.....	2
Area and Property Geology.....	3
Discussion of Drill Program.....	4
Conclusions and Recommendations.....	6
Bibliography	
Certificate	

Appendix 1: Copies of Original Assay Certificates

Figures:

- Figure 1: General Location Map
- Figure 2: Property Location Map
- Figure 3: Property and Area Geology Map
- Figure 4: Grid, Claim, and Drill Hole Location Map
- Figure 5: Section for Drill Hole PC-1
- Figure 6: Section for Drill Hole PC-2
- Figure 7: Section for Drill Hole PC-3
- Figure 8: Section for Drill Hole PC-4
- Figure 9: Section for Drill Hole PC-5

PART 2: Copies of Original Drill Logs in Separate Binder



42A05NE0168 2.18034 BRISTOL

010C

INTRODUCTION

During the summer of 1997, Pelangio Larder Mines Limited initiated an exploration program on the Poirier Prospect in Bristol Twp., Timmins, Ontario. At present the Poirier prospect is under option to Copper Dome Mines Ltd., and Pelangio Larder Mines has the right to earn a 50% interest in this project by issuing shares and expending 100,000 dollars in exploration during 1997. The current work programs have fulfilled the expenditure portion of this commitment.

The purpose of the recent exploration program was to reevaluate the Poirier Property for strataform pyritic gold deposits similar to that found at the Bousquet or Doyon Mines in NW Quebec. These types of deposits are associated with a felsic to intermediate volcanic package similar to that found on the Poirier Property. One of the principal exploration tools that are known to respond well to such deposits is induced polarization (I.P.) surveys. These deposits respond well to this type of survey because of the high disseminated pyrite content normally found with such deposits. (Valliant, 1985)

Thus, a detailed I.P. survey, as well as VLF and magnetic surveys were initiated on this property to develop drill targets. The results of the geophysical survey are documented in a separate accompanying report by J. Grant. This report will deal specifically with the results from the drilling.

The principal focus of the drill program was to evaluate five high priority drill targets outlined by the I.P. and magnetic surveying. These targets that were evaluated represent I.P. targets that had a good chargeability response. Such targets were thought to be caused by sulphide rich zones which may have been associated with gold mineralization as per the Bousquet model outlined above. The geophysical survey also outlined numerous other targets that remain to be tested. All of the drill work carried out to date will be presented in detail in the following portions of this report, as are the recommendations for further work.

PROPERTY, LOCATION, AND ACCESS

The subject property currently consists of 13 contiguous mining claims (approx. 640 acres) located in west central Bristol Twp., Porcupine Mining Division, Ontario, as shown in Fig. 1 & 2

This project is located just north of Highway 101, approximately 17 km. west of the City of Timmins, Ontario. (Fig. 2) The approximate property co-ordinates in terms of longitude and latitude are 48 degrees, 24.5 minutes north latitude and 81 degrees, 31.5 minutes west longitude.

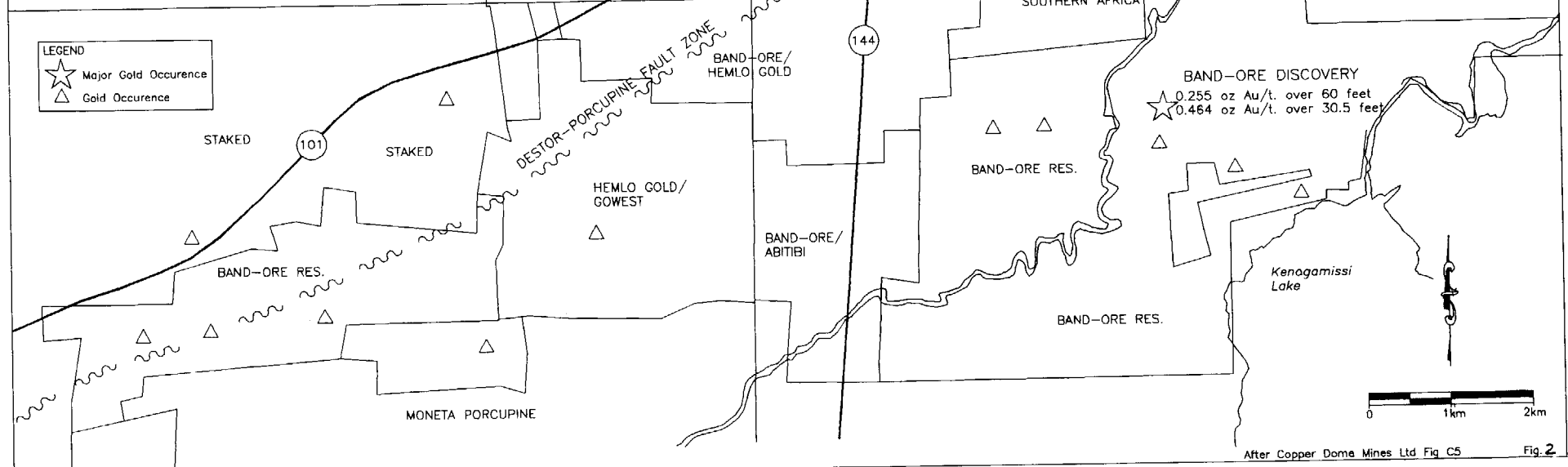
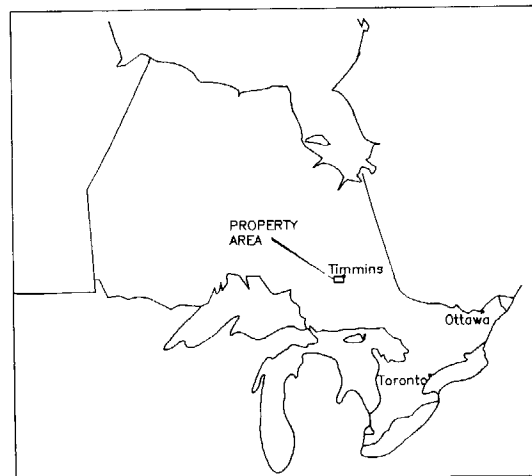
Access to the actual claim block is attained by turning north off of Highway 101 on to an old logging road approximately 400 m. west of the intersection of Highway 101 and Highway 144. One mile north of Highway 101 the old logging road enters the southwest portion of the claim block. A series of other logging roads branch off the main logging road and allow access to other portions of the property.

Pelangio-Larder Mines Limited & Copper Dome Mines Ltd. J.V.

POIRIER PROJECT, Bristol Twp.

Location Map

Fig. #3



To Timmins
10 km.

TOPOGRAPHY AND VEGETATION

For an area within the Canadian Shield, this property is considered to have moderate relief. The elevation variance on the property is no more than 30m. There is a central high ridge of land with outcrop extending from the SW corner of the property across the property in a northeasterly direction. For the most part this ridge is surrounded by low lying lands that are covered by spruce and spruce bog. Most of the area of higher ground was recently logged off and is now covered by new growth, mainly poplar. However, there is some birch and jack pine.

Outcrop exposure on this property is estimated to be about 15%, the other portions of the property are covered by glacial debris comprised of sand and clay.

PROPERTY HISTORY

Since the original acquisition of this property by Copper Dome Mines Limited very little work was carried out until the more recent work program by Pelangio Larder Mines Limited. Work by Copper Dome consisted of some minor mag and VLF surveying for assessment purposes; this work was incorporated into the recent geophysical report by Grant. The historical work on this property is well documented in an engineering report for Copper Dome Mines by Mr. J. Burns, P. Eng. This author has taken much of the historical data from Mr. Burn's report and incorporated it into this section in point form as follows:

Early Work (1920's to 1930's):

Mr. Hubert in the early 1920's excavated a number of pits and trenches on what are now claims 752197, 752198, and 752199. Mr Hubert discovered two mineralized zones (Fig.3) on claims 752198 and 752199; these trenches are trenches 4 & 6 (nomenclature from Utah Mines established 1985). Gold values from Hubert's workings assayed as high as 0.74 oz./ton Au.

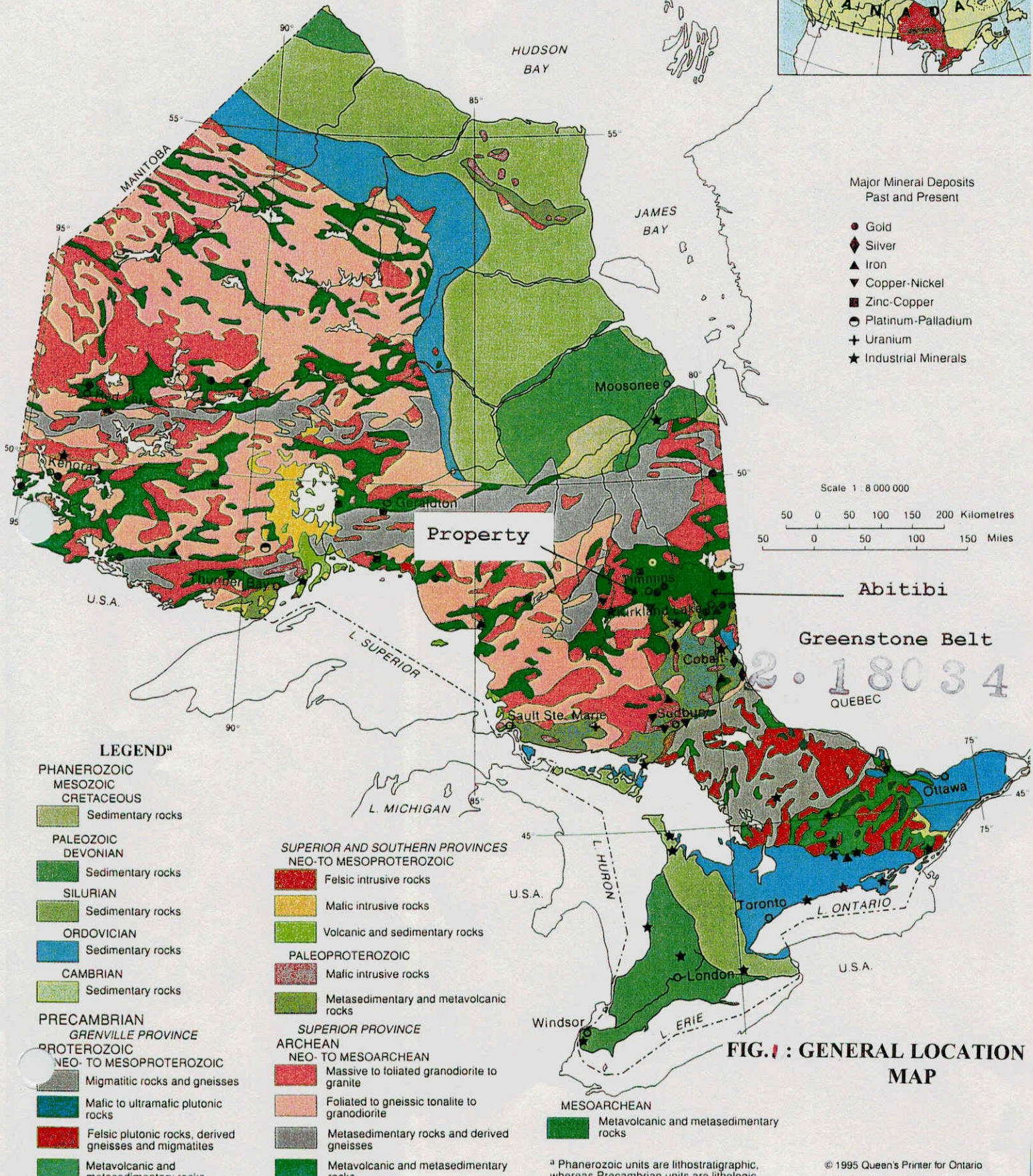
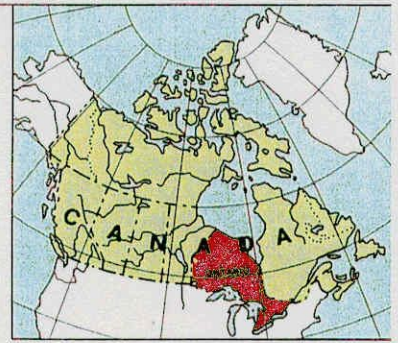
During the time Mr. Hubert owned the property J. A. Taylor in 1926 financed three holes on the property, which were in the immediate vicinity of the showings.

In the late 1930's, Tobrun Gold Mines optioned the Hubert claims and completed geophysical surveys and mapping. Tobrun also completed three drill holes to test an EM anomaly just south of the trench showings on current claim 752199.

Cortez Exploration Limited (1940):

Cortez exploration in the 1940's optioned the Hubert claims through their subsidiary Hubert Balboa Mines Limited. Balboa Mines Limited drilled 7 holes totalling 3006 feet on current claims 752198 and 752199. The best assay was 0.70 oz./ton Au over a core length of 5 ft. from hole #3.

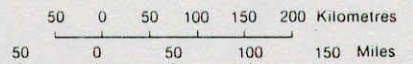
GEOLOGY AND PRINCIPAL MINERALS OF ONTARIO



Major Mineral Deposits Past and Present

- Gold
- ◆ Silver
- ▲ Iron
- ▼ Copper-Nickel
- Zinc-Copper
- ⊙ Platinum-Palladium
- + Uranium
- ★ Industrial Minerals

Scale 1 : 8 000 000



LEGEND^a

- PHANEROZOIC**
MESOZOIC
CRETACEOUS
Sedimentary rocks
- PALEOZOIC**
DEVONIAN
Sedimentary rocks
- SILURIAN
Sedimentary rocks
- ORDOVICIAN
Sedimentary rocks
- CAMBRIAN
Sedimentary rocks
- PRECAMBRIAN**
GRENVILLE PROVINCE
PROTEROZOIC
NEO- TO MESOPROTEROZOIC
Migmatitic rocks and gneisses
- Mafic to ultramafic plutonic rocks
- Felsic plutonic rocks, derived gneisses and migmatites
- Metavolcanic and metasedimentary rocks

- SUPERIOR AND SOUTHERN PROVINCES**
NEO- TO MESOPROTEROZOIC
Felsic intrusive rocks
Mafic intrusive rocks
Volcanic and sedimentary rocks
- PALEOPROTEROZOIC
Mafic intrusive rocks
Metasedimentary and metavolcanic rocks
- SUPERIOR PROVINCE**
ARCHEAN
NEO- TO MESOARCHEAN
Massive to foliated granodiorite to granite
Foliated to gneissic tonalite to granodiorite
Metasedimentary rocks and derived gneisses
Metavolcanic and metasedimentary rocks
- MESOARCHEAN
Metavolcanic and metasedimentary rocks

FIG. 1 : GENERAL LOCATION MAP

^a Phanerozoic units are lithostratigraphic, whereas Precambrian units are lithologic.

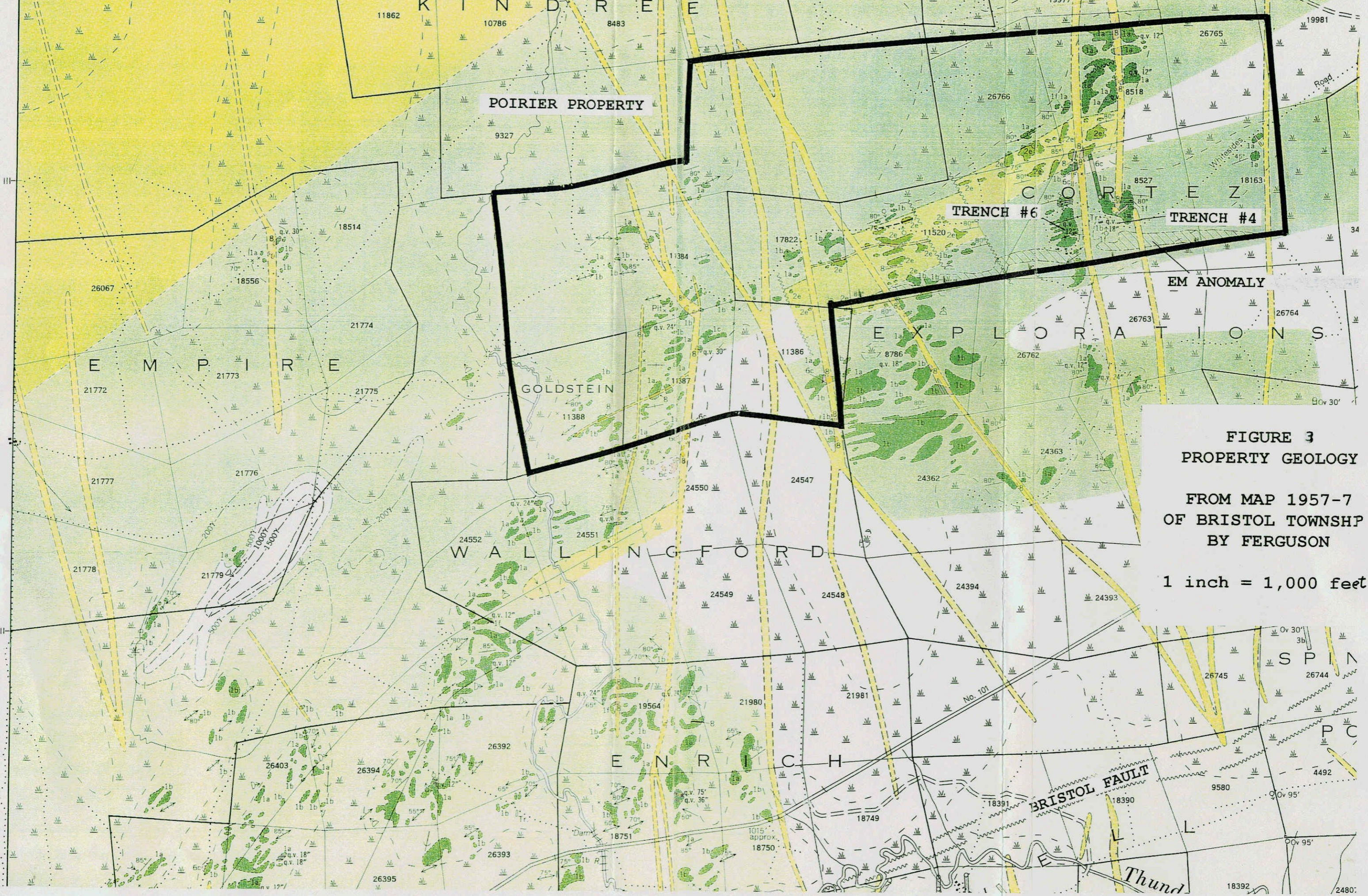


FIGURE 3
PROPERTY GEOLOGY
 FROM MAP 1957-7
 OF BRISTOL TOWNSHIP
 BY FERGUSON
 1 inch = 1,000 feet

LEGEND

CENOZOIC

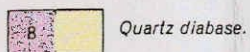
RECENT AND PLEISTOCENE*

Clay, till, silt, sand and gravel.

GREAT UNCONFORMITY

PRECAMBRIAN

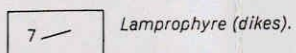
MATACHEWAN



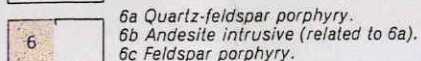
Quartz diabase.

INTRUSIVE CONTACT

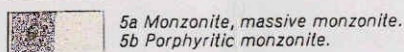
POST-KEEWATIN



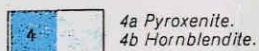
Lamprophyre (dikes).



6a Quartz-feldspar porphyry.
6b Andesite intrusive (related to 6a).
6c Feldspar porphyry.



5a Monzonite, massive monzonite.
5b Porphyritic monzonite.

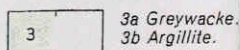


4a Pyroxenite.
4b Hornblendite.

INTRUSIVE CONTACT

KEEWATIN

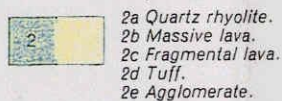
SEDIMENTS



3a Greywacke.
3b Argillite.

VOLCANICS**

Rhyolite



2a Quartz rhyolite.
2b Massive lava.
2c Fragmental lava.
2d Tuff.
2e Agglomerate.

Andesite



1a Pillow lava.
1b Massive lava.
1c Fragmental lava.
1d Tuff.
1f Medium grained andesite (in part sills).

*Except for some sand areas, these deposits are not differentiated on the map. For the most part they coincide with the lighter coloured and uncoloured parts of the map.

**The country rock for parts of some drill cores was logged as volcanic but is believed to be mostly sedimentary although some volcanic agglomerate may be present. Volcanic agglomerate underlies Keewatin sediments in Tisdale and Ogden Townships. On the map face these sections are numbered as originally logged but bear a ? sign and are uncoloured.

The heavier colours on the map represent rock outcrops, areas of outcrop, and geology of drill holes. The lighter colours represent the inferred extension of formations beneath drift.

SYMBOLS

	Synclinal axis.		Higher ground.
	Anticlinal axis.		Altitude in feet above mean sea level.
	Strike and dip of schistosity.		Open muskeg, swamp or marsh and boundary.
	Strike of vertical schistosity.		Muskeg or swamp and boundary.
	Strike of schistosity, dip unknown.		River with rapids.
	Lineation, plunge known.		Bridge.
	Jointing, inclined.		Highway with number, motor road.
	Drag-folds in quartz veins. (Arrow indicates direction of plunge).		Wagon road.
	Fault, defined.		Trail.
	Fault, assumed.		Glacial striae.
	Claim line surveyed.		Drift features.
	Boundary of mining property.		Small rock outcrop.
	Building.		Boundary of rock outcrop.
	Shaft, vertical.		Geological boundary, defined.
	Pit.		Geological boundary, approximate.
	Trench.		Geological boundary, assumed.
	Drill hole, inclined; log not available.		Geological boundary as indicated by geophysical data.
	Drill hole, geology projected vertically to horizontal plane.††		Magnetic contour, value in gammas.†
	Depth of overburden in feet.		Strike and dip; direction of top unknown.
	Quartz veins with width.		Strike and vertical dip; direction of top unknown.
	Sulphide mineralization.		Direction (arrow) in which lava flows face as indicated by pillows with vesicular tops, direction of dip unknown.
	Carbonatized zone, 400-foot level projected vertically to surface. Stanwell Oil and Gas property.		Direction (arrow) in which inclined beds face as indicated by gradation in grain size.
	Carbonatized rocks.		Flow contact, direction of top unknown.
	Zone of relatively higher electrical conductivity (in part due to graphitic slate and pyritized zones).		Direction in which lava flows face as indicated by shape of pillows.

FIGURE 3

LEGEND

Wolfram Kuehne (1950's):

Kuehne restaked the main showing area on the original Hubert claims. His work was restricted to local stripping.

Dome Exploration Canada (1970's):

In 1973 Dome carried out magnetic and electromagnetic surveys on this property. These surveys failed to detect any anomalies of interest to Dome and the claims were dropped.

Utah Mines Limited (1980's)

Mr. R. Poirier controlled the current claim block in 1983, and optioned it to Utah Mines Limited. Utah carried out mapping, various geophysical, and geochemical surveys, and also drilled two holes. In September of 1987, Utah returned the property to Mr. Poirier.

Chevron Minerals Limited (1987):

In 1987 Mr. Poirier optioned the claim group to Chevron. Their work consisted of airborne geophysical work and some brushing out in the immediate vicinity of trench #6.

R. Poirier (1995):

In 1995 Mr. Poirier contracted Rayan Exploration to conduct an induced polarization survey over a portion of the property that was previously inaccessible to Utah.

AREA AND PROPERTY GEOLOGY

Once again, much of the regional geology and property geology on the Poirier Property has been well documented in a previous engineering report by J. Burns, P. Eng. (1996) This author has utilized substantial portions of the Burns report for this particular section of the current report.

From Fig.1 it can be seen that the subject property is located within the Abitibi Greenstone Belt; this belt makes up a portion of the Archean aged Superior Province of the Canadian Shield. This greenstone belt is currently Canada's most prolific gold producing area. Most of the gold deposits and the larger gold mining camps are known to be spatially associated with major regional deformation zones and/or splays associated with these deformation zones. Two of the major deformation zones within the Abitibi are the Destor Porcupine Fault and the Larder Lake - Cadillac - Malartic Break.

In the Timmins camp, the Destor Porcupine Fault and splays associated with the fault are the loci for the gold deposits. In Timmins, the deposits are typically sulphide bearing quartz veins hosted within tholeiitic basalts +/- komatiitic ultramafics or within shale, greywacke, conglomerate metasediments. These deposits are often associated with porphyritic felsic

intrusives. In many instances, carbonate alteration is developed as haloes along the veins, and in some instances carbonate alteration may extend for tens of metres into the host wall rock. Other forms of alteration that may be present include sericite, silica, albite and pyrite. Within the veins gangue minerals namely sulphides, principally pyrite, arsenopyrite & pyrrhotite rarely constitute more than 5% by volume. (Eckstrand and Roberts et al.)

Bristol Twp. was mapped by the Ontario Dept. of Mines, under the direction of S. Ferguson (1957). A portion of this map covering the subject property is shown in the accompanying Fig. 3. Further, an excellent property map for this area was put together by Newsome (1984) during an exploration program for Utah Mines Limited, this map for the most part concurs with work done by Ferguson.

Ferguson's map has shown that most of the subject property is underlain by tholeiitic basalt flows. These flows are part of a major unit that strikes ENE across the township. Within the central portion of the claims there is a thick marker unit of mafic to intermediate volcanics agglomerate (originally mapped as felsic by Ferguson). This unit helps to define the local strike of the area which is at about 55 degrees azimuth. Dips are steep and generally to the north. On Ferguson's map a small feldspar porphyritic intrusive was shown to be encountered in drilling; this intrusive is located along the south contact of the agglomerate. A swarm of late N/S, NNW/SSE trending diabase dykes cut all rock units.

Burns (1996) examined the main mineralized occurrences on the property and some of the surrounding volcanics. Burns noted that there was very sparse sulphide mineralization in volcanics proximal to the showings. However, he stated that up to 2% sulphides, mainly pyrite with minor chalcopyrite, pyrrhotite and arsenopyrite were noted in narrow veins at the showings. Some very minor visible gold was also noted. The veins were hosted in ENE/WSW striking shears. Burns postulated that these shears may be splays from the proximal Bristol Fault just south of the property which is itself a splay of the Destor Porcupine Fault.

From the known geological environment and mineral occurrences on the subject property exploration programs were designed to reevaluate the subject property for both strataform pyritic gold deposits and deposits with a structural association typical of many of the deposits in Timmins. The results of the exploration work is discussed in the following section of this report.

DISCUSSION OF DRILL PROGRAM

The recent drill program consisted of five drill holes (672 m.) to test five anomalies. Each target and the results from the individual holes are described separately as follows.

Hole PC-1(L 11 W., St. 460 S.)

This hole was designed to test a strong chargeability anomaly approximately 400 m. west of a known gold occurrence designated trench 6 in Fig. 3. The southern flank of this chargeability anomaly was marked by a strong but limited resistivity response.

This hole intersected an intercalated suite of felsic and intermediate to mafic volcanics. Some pyrite and minor shearing was noted in the dacitic sections. Some very minor anomalous gold

values were noted in this hole. The best value was 168 ppb Au over 0.47m; this anomalous value was associated with a barren white quartz vein.

Hole PC-2 (L 14 W., St. 540 S.)

This hole was also designed to test a strong chargeability anomaly. Similar to the anomaly in hole PC-1 the southern flank of this anomaly was marked by a strong chargeability response. Most of this hole was a dacite fragmental unit that had some local minor shear zones. The hole had a pyrite content of approximately 1% overall. No significant gold mineralization was detected in this hole.

Hole PC-3 (L 2 W., St. 310 S.)

This hole was drilled to test a strong mag low with a flanking VLF-EM anomaly in the vicinity of the western extension of the Tobrun Mines EM Anomaly. A hole by Tobrun in 1939 on the eastern end of this anomaly assayed 1.37 g/t Au over 4.7 m. The recent hole PC-3 once again encountered a suite of intercalated dacites and intermediate to mafic volcanics. Some of the volcanics had carbonate alteration and some minor structures (shears). Sulphides were sparse in this hole, but fairly substantial quartz carbonate stringers and veinlets were noted. Unfortunately once again, no significant Au values were detected in this hole.

Hole PC-4 (L 2050 W., St. 850 S.)

This hole, like holes PC-1 and PC-2, was designed to test a strong chargeability anomaly that was flanked by a strong resistivity response both to the south and north of the chargeability response. This hole tested the chargeability anomaly and the northern resistivity response adjacent the chargeability anomaly. The hole intersected dacitic and intermediate to mafic volcanic units and some very minor graphite. A section dacite containing 1-3% pyrite and trace chalcopyrite with some shearing was intersected from 32.75-49.4 m. This section and the minor zone of graphite were likely the cause of the chargeability anomaly in this hole. No significant gold mineralization was detected in this hole.

Hole PC-5 (L 9 W., St. 475 S.)

This hole was drilled to test a weak chargeability anomaly with a flanking VLF-EM anomaly and mag low. This hole was also in the immediate vicinity of the Tobrun Mines hole which encountered 1.37 g/t Au over 4.7 m. This hole intersected the same lithology as other holes on the property, namely intercalated dacites and intermediate to mafic volcanics. This hole had a number of sheared sections and a dacitic unit from 35-65 m. with about 2% pyrite. Once again, no significant gold was found in this hole.

The results for the most recent program showed that there was interesting structure, alteration and sulphide mineralization in a favourable geological environment for gold. However, the values

obtained from the targets drilled was very disappointing. A number of targets still remain to be tested on this property. A final evaluation of the property should be completed when all targets of interest are tested.

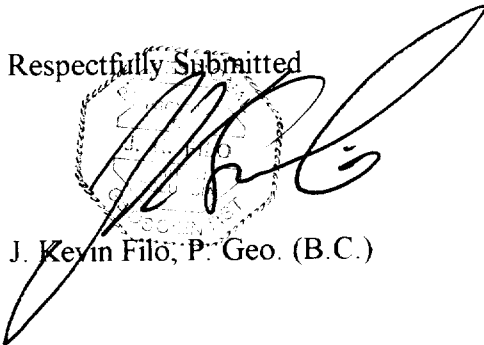
CONCLUSIONS AND RECOMMENDATIONS

The recently completed drilling program on the Poirier JV showed that the subject property is underlain by a suite of intermediate to mafic volcanics intercalated with dacitic volcanics. The volcanics proximal to the anomalies are mineralized and sometimes sheared and altered to some extent. However, no significant gold values were found during the course of the recent program.

At present there are a number of targets that remain to be tested. Some drilling should be considered to test a series of induced polarization chargeability and resistivity anomalies along line 23 W from 1150- 800 S. A second induced polarization anomaly associated with a mag low on line 24 W from 350-425 S. should also be drill tested.

A final evaluation of this property should be made when all drill targets are tested.

Respectfully Submitted



J. Kevin Filo, P. Geo. (B.C.)

BIBLIOGRAPHY

Burns, J.G.,

1996: Evaluation Report of Claims Located in Bristol Township, Porcupine Mining Division, District of Cochrane, Private files of Copper Dome Mines Ltd.

Eckstrand, O. R., ed.

1984: Canadian Mineral Deposit Types: A Geological Synopsis; Geological Survey of Canada, Economic Geology, Report 36.

Ferguson, S.A.

1959: Geology of Bristol Twp., Ontario Dept. of Mines, Annual Report, Volume LXVI, Part 7, 1957.

Valliant, R.,

1985: The Lac Discoveries; The Geology of the Hemlo Pyritic Gold Deposit in Light of the Bousquet and Doyon Examples; Canadian Mining Journal, May 1985.

CERTIFICATE

I, J. K. Filo of 535 Bartleman St. of the City of Timmins Ontario do hereby certify:

1) I have personally written this drill report on the Poirier Joint Venture for Pelangio Larder Mines, Limited, and I have based the opinions contained in this report on a review of all drill core, assay data, and other pertinent reports for Copper Dome and Pelangio Larder Mines written by their consultants.

2) I further certify that I have no personal interest in the subject property nor do I expect to receive any in the future, other than my professional fee.

3) I hold an Honours BSc. (1980) in Geology from Laurentian University in Sudbury Ontario. I have been practicing my profession as both a mining and exploration geologist for the past seventeen years in Canada, Mexico and Southeast Asia. Prior to carrying out consulting work I was employed by various mining companies. Some of these companies included Texasgulf Exploration Inc., Amax Exploration, Urangesellschaft Canada, Cominco (Pine Point Mines), Pamour Porcupine Mines, Nerco Con Mine, and Freeport McMoran.

4) I am a professional geologist in good standing with the Association of Professional Engineers and Geoscientists of B.C. (Reg.# 18677)

A handwritten signature in black ink, appearing to read 'J. K. Filo', is written over a faint, circular stamp. The stamp contains some illegible text and a central emblem.

J. K. Filo, P. Geo.


APPENDIX 1: ASSAY CERTIFICATES



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57440.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 26-JUL-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
662677		<5
662678		8
662679		<5
662680		<5
662681		<5
662682		<5
662683		<5
662684		<5
662685		<5
662686		<5
662687		<5
662688		<5
662689		<5
662690		<5
662691		<5
662692		11
662693		50
662694		6
662695		<5
662696		<5
662697		<5
662698		<5
662699		<5
662700		<5
662701		<5
662702		<5
662703		<5


1.11



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57451.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 11-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PPM	Zn PPM	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PPM	Zn PPM
662704		<5	81	53	662744		<5	79	74
662705		<5	106	57	662745		<5	91	59
662706		<5	92	52	662746		<5	97	59
662707		<5	97	57	662747		<5	104	51
662708		<5	96	89	662748		<5	101	52
662709		21	98	59	662749		<5	100	51
662710		<5	107	48	662750		<5	84	52
662711		<5	89	50	662751		<5	83	51
662712		<5	103	53	662752		<5	115	47
662713		<5	101	53					
662714		<5	103	56					
662715		<5	100	58					
662716		<5	100	62					
662717		<5	95	72					
662718		<5	96	53					
662719		<5	100	55					
662720		<5	85	69					
662721		<5	25	48					
662722		<5	96	54					
662723		<5	96	54					
662724		<5	102	57					
662725		<5	118	49					
662726		<5	82	51					
662727		<5	100	56					
662728		<5	100	51					
662729		<5	99	67					
662730		<5	73	73					
662731		<5	125	67					
662732		<5	93	67					
662733		<5	185	72					
662734		<5	89	70					
662735		<5	97	68					
662736		<5	78	69					
662737		<5	60	66					
662738		<5	29	62					
662739		<5	90	67					
662740		<5	100	65					
662741		<5	69	68					
662742		<5	88	76					
662743		<5	102	69					



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57452.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 1-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
662753		<5	662793		6
662754		<5	662794		<5
662755		<5	662795		<5
662756		<5	662796		<5
662757		6	662797		<5
662758		<5	662798		<5
662759		<5	662799		<5
662760		<5	662800		<5
662761		<5	662801		<5
662762		<5	662802		<5
662763		8	662803		<5
662764		8	662804		<5
662765		6	662805		<5
662766		<5	662806		<5
662767		11	662807		<5
662768		7	662808		<5
662769		7	662809		<5
662770		11	662810		<5
662771		<5	662811		<5
662772		<5	662812		<5
662773		6	662813		<5
662774		<5	662814		<5
662775		<5	662815		<5
662776		<5	662816		<5
662777		<5	662817		<5
662778		<5			
662779		<5			
662780		<5			
662781		<5			
662782		<5			
662783		<5			
662784		<5			
662785		<5			
662786		<5			
662787		<5			
662788		<5			
662789		6			
662790		<5			
662791		7			
662792		<5			

[Signature]



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57453.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 4-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
662818		<5	662858		<5
662819		<5	662859		<5
662820		<5	662860		<5
662821		<5	662861		<5
662822		<5	662862		<5
662823		<5	662863		<5
662824		<5	662864		<5
662825		<5	662865		<5
662826		<5	662866		<5
662827		<5	662867		<5
662828		<5	662868		<5
662829		<5	662869		<5
662830		<5	662870		<5
662831		<5	662871		<5
662832		<5	662872		<5
662833		<5	662873		<5
662834		<5	662874		<5
662835		<5	662875		<5
662836		<5	662876		<5
662837		<5	662877		<5
662838		<5	662878		<5
662839		<5	662879		<5
662840		168	662880		<5
662841		<5	662881		<5
662842		<5			
662843		<5			
662844		<5			
662845		<5			
662846		<5			
662847		<5			
662848		<5			
662849		<5			
662850		<5			
662851		<5			
662852		<5			
662853		<5			
662854		<5			
662855		<5			
662856		<5			
662857		<5			

M. B...
ou/pt



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57459.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 5-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
662882		29	662922		<5
662883		<5	662923		<5
662884		7	662924		<5
662885		<5	662925		<5
662886		7	662926		<5
662887		<5			
662888		<5			
662889		<5			
662890		5			
662891		<5			
662892		<5			
662893		<5			
662894		<5			
662895		<5			
662896		<5			
662897		<5			
662898		<5			
662899		<5			
662900		<5			
662901		<5			
662902		<5			
662903		<5			
662904		<5			
662905		10			
662906		<5			
662907		<5			
662908		<5			
662909		<5			
662910		<5			
662911		<5			
662912		<5			
662913		<5			
662914		<5			
662915		<5			
662916		<5			
662917		<5			
662918		<5			
662919		<5			
662920		<5			
662921		<5			

m. Bergeron
[Signature]



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57462.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 4-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
662927		<5	662967		<5
662928		<5	662968		6
662929		<5	662969		<5
662930		<5	662970		<5
662931		<5	662971		<5
662932		<5	662972		9
662933		<5	662973		<5
662934		<5	662974		<5
662935		<5	662975		14
662936		<5	662976		32
662937		<5	662977		<5
662938		<5	662978		<5
662939		<5	662979		<5
662940		<5	662980		<5
662941		<5	662981		<5
662942		<5	662982		<5
662943		<5	662983		<5
662944		<5	662984		<5
662945		<5	662985		<5
662946		<5	662986		<5
662947		<5	662987		<5
662948		<5	662988		<5
662949		<5	662989		32
662950		<5	662990		<5
662951		<5	662994		<5
662952		<5	662995		<5
662953		<5	662996		8
662954		<5	662997		15
662955		<5	662998		<5
662956		<5	662999		<5
662957		<5	663000		<5
662958		<5	663001		<5
662959		<5	663002		<5
662960		<5	663003		<5
662961		<5	663004		<5
662962		<5	663005		<5
662963		<5	663006		<5
662964		<5	663007		<5
662965		<5	663008		<5
662966		<5	663009		8

[Signature]
19/08/97



CLIENT: PELANGIO LARDER MINES
 REPORT: T97-57463.0 (COMPLETE)

PROJECT: PC
 DATE PRINTED: 11-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PPM	Zn PPM
662991		<5	80	65
662992		<5	81	60
662993		<5	75	56

M. Berger
 via *MB*



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57522.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 19-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
663010		<5	663050		<5
663011		<5	663051		<5
663012		<5	663052		<5
663013		<5	663053		<5
663014		<5	663054		<5
663015		<5	663055		<5
663016		<5	663056		<5
663017		<5	663057		<5
663018		<5	663058		<5
663019		<5	663059		<5
663020		5	663060		<5
663021		<5	663061		<5
663022		<5	663062		<5
663023		<5	663063		<5
663024		<5	663064		<5
663025		<5	663065		<5
663026		<5	663066		<5
663027		<5	663067		<5
663028		<5	663068		<5
663029		<5	663069		<5
663030		<5	663070		<5
663031		<5	663071		<5
663032		<5	663072		<5
663033		<5	663073		<5
663034		<5	663074		<5
663035		9	663075		<5
663036		<5	663076		<5
663037		<5	663077		<5
663038		<5	663078		<5
663039		<5	663079		<5
663040		<5			
663041		<5			
663042		<5			
663043		<5			
663044		<5			
663045		<5			
663046		<5			
663047		<5			
663048		<5			
663049		<5			

M. Berger
Subp.



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57530.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 18-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
------------------	------------------	-------------

663080		<5
663081		<5
663082		<5
663083		<5
663084		<5

663085		<5
663086		<5
663087		<5
663088		7
663089		<5

663090		<5
663091		<5
663092		<5
663093		<5
663094		<5

663095		<5
663096		<5
663097		<5
663098		<5
663099		<5

663100		<5
663101		<5
663102		<5
663103		19
663104		<5

663105		<5
663106		<5
663107		<5
663108		<5
663109		<5

663110		<5
--------	--	----



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57542.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 21-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU30 PPB	SAMPLE NUMBER	ELEMENT UNITS	AU30 PPB
663111		<5	663151		<5
663112		<5	663152		<5
663113		<5	663153		6
663114		<5			
663115		<5			
663116		<5			
663117		<5			
663118		<5			
663119		<5			
663120		<5			
663121		<5			
663122		<5			
663123		<5			
663124		<5			
663125		<5			
663126		<5			
663127		<5			
663128		<5			
663129		<5			
663130		<5			
663131		<5			
663132		<5			
663133		<5			
663134		<5			
663135		<5			
663136		<5			
663137		<5			
663138		<5			
663139		<5			
663140		<5			
663141		<5			
663142		<5			
663143		<5			
663144		<5			
663145		<5			
663146		<5			
663147		<5			
663148		<5			
663149		<5			
663150		<5			

m Berger ⁰¹⁰ *KS*



CLIENT: PELANGIO LARDER MINES
REPORT: T97-57543.0 (COMPLETE)

PROJECT: PC
DATE PRINTED: 21-AUG-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
663154		<5	663194		<5
663155		<5	663195		<5
663156		<5	663196		<5
663157		<5			
663158		<5			
663159		<5			
663160		<5			
663161		<5			
663162		<5			
663163		<5			
663164		<5			
663165		<5			
663166		<5			
663167		<5			
663168		<5			
663169		<5			
663170		<5			
663171		<5			
663172		<5			
663173		<5			
663174		<5			
663175		<5			
663176		<5			
663177		<5			
663178		<5			
663179		20			
663180		<5			
663181		14			
663182		<5			
663183		<5			
663184		<5			
663185		<5			
663186		<5			
663187		9			
663188		<5			
663189		<5			
663190		<5			
663191		<5			
663192		<5			
663193		<5			

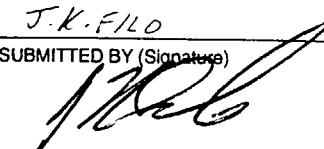
Signature OK 21

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. PC-1 PAGE NO. 1

DRILLING COMPANY <u>LAFRENIERE DRILLING</u>		COLLAR ELEVATION <u>NO SURVEY</u>	BEARING OF HOLE FROM TRUE NORTH <u>Az 360°</u>	TOTAL M. <u>BQ</u> <u>158 M.</u>	DIP OF HOLE AT collar <u>-45°</u>	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM <u>LINE 11 WEST ST. 460 SOUTH</u>	MAP REFERENCE NO. <u>G-3998</u>	CLAIM NO. <u>752199</u>
DATE HOLE STARTED <u>JULY 24/97</u>	DATE COMPLETED <u>JULY 25/97</u>	DATE LOGGED <u>JULY 26/97</u>	LOGGED BY <u>J.K. FILO</u>	77 m <u>-37°</u>	77 m		LOCATION (Tp., Lot, Con. OR Lat. and Long.) <u>BRISTOL TWP</u>	
EXPLORATION CO., OWNER OR OPTIONEE <u>PELANGIO LARDEZ MINES LIMITED</u>		DATE SUBMITTED <u>NOV. 5/97</u>	SUBMITTED BY (Signature) 		m	PROPERTY NAME <u>POIRIER PROPERTY</u>		

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb	ASSAYS +	
					FROM	TO				
0	7.15	CASING						Au		
7.15	11.9	MEDIUM GRAINED INTERMEDIATE TO MAFIC VOLCANIC	- grey green inter-tomitic volcanic unit is medium to fine grained massive unit, for the most part more ferro-magnesian minerals in this unit - a few very minor quartz stringers + quartz carbonate veins, 1/2 of unit - quartz stringers follow strike fabric @ 45° to C.A., some quartz veins 1-2cm 85° to C.A. - some evidence of leucocytes within unit - some pyrite note locally overall maximum 1%. - some very minor slips in this unit at 10-15° to C.A. - fractures within unit numerous, 45°-50° to C.A.	662789	7.15	8	0.85	6		
				662790	8	9	1	45		
				662791	9	10	1	7		
				662792	10	11	1	45		
				662793	11	11.9	0.9	6		
				662794	11.9	13	1.1	45		
				662795	13	14	1	45		
				662796	14	15	1	45		
				662797	15	16	1	45		
				662798	16	17	1	45		
				662799	17	18	1	45		
				662800	18	19	1	45		
				662801	19	20	1	45		
				662802	20	21	1	45		
				662803	21	22	1	45		
11.9	27	SHEARED MED. GRAINED INTERMEDIATE TO MAFIC VOLCANIC	- grey green unit, more ferro-mag minerals in this unit sheared to about 18.5m, from 18.5m to 27m unit considered to be weakly sheared - GRADATIONAL contact from unit above, fabric grades into a moderate shear, composition still similar - some leucocytes still noted - still some fine pyrite, perhaps 1% disseminated pyrite local maximum - fabric in shear at various orientations to core axis, @ 15.5, 30° to C.A., 12.5, 60° to C.A., @ 18.5m, 60° to C.A., @ 25.5, 30° to C.A. - numerous fractures within unit that parallel fabric orientation - distinct increase in quartz carbonate stringers from 14m-17m, 10-15% of this interval @ 30° to C.A.	662804	22	23	1	45		
				662805	23	24	1	45		
				662806	24	25	1	45		
				662807	25	26	1	45		
				662808	26	27	1	45		

RECEIVED
DEC 23 1997
10:30
GEOSCIENCE ASSESSMENT OFFICE



020

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-1** PAGE NO. **2**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m			
		Nov. 5/99	<i>[Signature]</i>		m			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb	ASSAYS +			
					FROM	TO						
			- minor slip @ 15.5 @ 300 to C.A., block broken ground to about 10m.	662809	27	28	1	25				
			- small quartz vein at 20.7-20.9m, contacts at 90° to C.A.	662810	28	29	1	25				
			- other minor slips in this unit but they are parallel to their orientations	662811	29	30	1	25				
				662812	30	31	1	25				
				662813	31	32	1	25				
				662814	32	33	1	25				
				662815	33	34	1	25				
				662816	34	35	1	25				
27	38.15	DAKITE VOLCANIC	- very fine grained, very light green dacite unit	662817	35	36	1	25				
			- unit is sheared to about 33m, moderate shearing, at 32m weakly sheared & then gradual disappearance of shear, some minor sections of fragmental dacite 30-40cm long that contain fragments compositionally similar to unit	662818	36	39	1	25				
			- these fragmental sections are minor & occur within a sheared portion	662819	39	38.15	1.15	25				
			- some quartz carbonate stringers, mainly fr 36-38.15	662820	38.15	39	0.85	25				
			- pyrite noted in disseminated form & stringers throughout unit, however there is only approx. 2% maximum pyrite content.	662821	39	40	1	25				
			- unit becomes strongly sheared for last 2m of unit.	662822	40	41	1	25				
			- contact with sheared basalts sharp and at 45° to C.A.	662823	41	42	1	25				
				662824	42	43	1	25				
				662825	43	44	1	25				
				662826	44	45	1	25				
				662827	45	46	1	25				
				662828	46	47	1	25				
				662829	47	48	1	25				
				662830	48	49	1	25				
				662831	49	50	1	25				
				662832	50	51	1	25				
				662833	51	52	1	25				
				662834	52	53	1	25				
				662835	53	54	1	25				
				662836	54	55	1	25				
38.15	58	MED. GRAINED INTERMEDIATE TO MAFIC VOLCANIC	- greyish-green medium grained leucocrine bearing unit, greener in color, more ferro-magnesium minerals	662837	55	56	1	25				
			- strongly sheared for the first metre of unit (shear 45° to C.A.)	662838	56	57	1	25				
			- substantial quartz from 39-42m in quartz veins & veins ranging from 2cm - 15cm, vein contacts generally 90-80° to C.A.	662839	57	58	1	25				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PL-1** PAGE NO. **3**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	m	LOCATION (Tp., Lot, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)	m					
				m					
				m	PROPERTY NAME				
M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M. FROM	SAMPLE M. TO	SAMPLE LENGTH	ppb Au	ASSAYS +
			-occasionally some minor epidote with veins -amphibole (mafic) dyke noted within this unit from 39.07-39.40, upper contact 85° to C.A., lower contact ground up -minor slip or fault @ 40.5 (100° to C.A.) associated with quartz vein -at 44.3 minor slip 15° to C.A. -a number of fractures in this unit 90-80° to C.A. -pyrite (disseminated) noted in unit, perhaps 1% maximum overall -minor small diabase dyke from 54.25-54.45, sharp contacts 45° to C.A. -lower contact a quartz vein, 85° to C.A.						
58.0	58.47	QUARTZ VEIN	-quartz vein, barren white vein	662840	58	58.47	0.47	168	
58.47	61.3	INTERMEDIATE TO MAFIC VOLCANIC (MED. GR.)	-altered sheared intermediate to mafic vol. to diabase contact -unit is a greenish color -fabric @ 45° to C.A. -very minor quartz carbonate veinlets 2% noted -fractures & slips parallel fabric -pyrite noted 1% approximately -unit is medium grained -lower contact with diabase sharp & at 50° to C.A.	662841 662842 662843	58.47 59 60	59 60 61.3	0.53 1 1.3	25 25 25	
61.30	64.9	DIABASE DYKE	-typical medium grained grey diabase dyke with sharp contacts & chilled on margins		NO SAMPLES				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-1** PAGE NO. **4**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT COLLAR	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY				LOCATION (Tp., Lot, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)				PROPERTY NAME				
M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.		YOUR SAMPLE NUMBER	SAMPLE M. FROM TO		SAMPLE LENGTH	ppb Au	ASSAYS +	
64.9	65.6	MED. GR. INTERMEDIATE TO MAFIC VOLCANIC	- as per description before dyke from 58.47 to 61.30		662844	64.9	65.6	0.7	25		
			- lower contact associated with a minor fault with slickensides, fault oriented 10° to core axis		662845	65.6	67	1.4	25		
					662846	67	68	1	25		
					662847	68	69	1	25		
					662848	69	70	1	25		
65.6	83.1	DACITIC VOLCANIC	- very fine grained light green colored unit, initially strongly to moderately sheared to 68m		662849	70	71	1	25		
			- shearing at 60° to C.A.		662850	71	72	1	25		
			- quartz carbonate veinlets & stringers in this first sheared section (102)		662851	72	73	1	25		
			- minor pyrite 1% maximum within sheared section		662852	73	74	1	25		
					662853	74	75	1	25		
					662854	75	76	1	25		
					662855	76	77	1	25		
					662856	77	78	1	25		
			- @ 68-83.1 fairly massive dacitic unit still very fine grained & green in color, some minor section with weak fabric & shearing		662857	78	79	1	25		
					662858	79	80	1	25		
			- slight increase in pyrite, overall perhaps 2% fine disseminated pyrite		662859	80	81	1	25		
			- a few minor stringers of quartz usually associated with some weak fabric @ 45° to C.A. quartz content 1-2% maximum		662860	81	82	1	25		
			- a number of fractures in this section, these range from 45° to 60°		662861	82	83.1	1.1	25		
			- minor slip noted at 68.7, 5° to C.A.		662862	83.1	84	1	25		
					662863	84	85	1	25		
					662864	85	86.5	1.5	25		
					662865	86.5	87.0	0.5	25		
					662866	87	88	1	25		
83.1	86.5	MED. GRAINED INTERMEDIATE TO MAFIC VOLCANIC	- grey-green unit, coarser grained than dacites, this unit grey in color & appears to be more unaltered in ferric-magnesium minerals								
			- variable pyrite content 1/2-1% overall estimate								
			- a few very minor quartz stringers noted 1/2%								
			- fractures @ 90° to C.A., no significant slips noted								
			- contact (lower) along quartz veinlet, 45° to C.A.								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-1**
PAGE NO. **5**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	m	o		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)	m	o		PROPERTY NAME	
		NOV. 5/77	<i>[Signature]</i>	m	o			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
86.5	90.25	DACITE	once again, a very fine grained greenish unit with a weak shear or fabric noted @ 55° to C.A. - minor shear associated with minor fault @ 30° to C.A. 86.85, shear from 86.79-86.85 - distinct increase in pyrite content in this unit, some fine disseminated pyrite, overall 1-2%, some minor section with higher content, trace of chalcopyrite noted - large quartz carbonate stringer noted - a few fractures noted, these tend to parallel fabric - contact (lower) along a quartz vein @ 87° to C.A.	662867	88	89	1	25				
				662868	89	90.25	1.25	25				
90.25	97.5	MED. GRAINED INTERMEDIATE TO MAFIC VOLCANIC	- once again a greyish green unit, this unit is slightly coarser (med grained) & more FeO-magnesium minerals evident - for the most part unit is massive - very few quartz stringers or veinlets, minor veinlet at 94.2m. - variable pyrite content 1/2-1% estimate overall - a small number of fractures noted in this unit, 30° to C.A. - slip noted @ 92.8m, 45° to C.A. - lower contact @ 97.5 AT 50° to C.A.	662869	90.25	91	0.75	25				
				662870	91	92	1	25				
				662871	92	93	1	25				
				662872	93	94	1	25				
				662873	94	95	1	25				
				662874	95	96	1	25				
				662875	96	97.5	1.5	25				
97.5	111.3	DACITIC VOLCANIC	- greenish colored unit, very fine grained - massive to weakly sheared, isolated sections of 0.5-1m that shear particularly evident - approximately 2% pyrite noted in this unit, mainly disseminated pyrite, occasional stringer - fracture & slips generally at 55° to C.A., similar to shear orientation 45-50° to C.A.	662876	97.5	99	1.5	25				
				662877	99	100	1	25				
				662878	100	101	1	25				
				662879	101	102	1	25				
				662880	102	103	1	25				
				662881	103	104	1	25				
				662882	104	105	1	29				

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-1** PAGE NO. **6**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	m			LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)	m			PROPERTY NAME	
		NOV 5/90	<i>[Signature]</i>	m				

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb	ASSAYS +			
					FROM	TO						
			- minor slip noted at 100.3, 400 to C.A., for the most part slips are very minor in this unit, quartz rare to non-existent	662883	105	106	1	45				
			- lower contact, sharp, along a slip with slickensides, slip orient 45° to C.A.	662884	106	107	1	7				
				662885	107	108	1	45				
				662886	108	109	1	7				
				662887	109	110	1	45				
				662888	110	111.3	1.3	45				
113	125	SHEARED DACITE FRAGMENTAL	- very light green to bleached colored unit, - distinct fabric oriented at 50° to C.A.	662889	111.3	112	0.7	45				
			- fragments within this unit are felsic in composition, similar to MA which is dacitic in composition	662890	112	113	1	45				
			- rare to non-existent quartz	662891	113	114.5	1.5	45				
			- rare to non-existent pyrite < 1/2% overall	662892	114.5	116	1.5	45				
			- minor slip noted at 118m, oriented at 45° to C.A.	662893	116	117.5	1.5	45				
				662894	117.5	119	1.5	45				
			- few fractures in this fairly competent interval, where present fractures tend to parallel fabric @ 50° to C.A.	662895	119	120.5	1.5	45				
			- gradual decrease in shearing towards 125m	662896	120.5	122	1.5	45				
				662897	122	123.5	1.5	45				
			- minor lamprophyre dyke @ 120.60 to 120.65, associated with minor slip @ 40° to C.A.	662898	123.5	125	1.5	45				
				662899	125	126.5	1.5	45				
				662900	126.5	128	1.5	45				
				662901	128	129.5	1.5	45				
				662902	129.5	131	1.5	45				
				662903	131	132.5	1.5	45				
				662904	132.5	134	1.5	45				
				662905	134	135.5	1.5	10				
125	158	DACITE FRAGMENTAL	- once again this unit is light green to bleached in color, it contains numerous angular to sub angular fragments from about 1cm to 4cm.	662906	135.5	137	1.5	45				
			- overall < 1/2% pyrite	662907	137	138.5	1.5	45				
			- rare to non-existent quartz stringers, minor shear zone with quartz from 146.80 - 147.40, shearing 80° to C.A.	662908	138.5	140	1.5	45				
				662909	140	141.5	1.5	45				
			- from 130.15 - 130.35, minor lamprophyre dyke, sharp contact @ 60° to C.A.	662910	141.5	143	1.5	45				
				662911	143	144.5	1.5	45				
			- minor slip noted @ 128m, 10° to C.A.	662912	144.5	146	1.5	45				
				662913	146	146.8	0.8	45				
				662914	146.8	147.4	0.6	45				
				662915	147.4	148	0.6	45				
				662916	148	149	1.0	45				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-1** PAGE NO. **7**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m				
		NOV. 5/97			m				

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
			- minor slip @ 135.5-135.7, 5° to C.A. @ 180	662917	149	150.5	1.5	25				
			minor slip @ 144.5, 15° to C.A., similarly	662918	150.5	152	1.5	25				
			minor slip @ 153.5, 10° to C.A.	662919	152	153.5	1.5	25				
			- quartz veinlet noted at 156-156.1	662920	153.5	155	1.5	25				
			- fractures throughout this unit not particularly plentiful, those present seem to be at 70-80° to C.A.	662921	155	156.5	1.5	25				
			662922	156.5	158	1.5	25					
			END OF HOLE 158 M									
			CORE STORED AT PELANGIO FIELD OFFICE, CONNAUGHT ONTARIO									

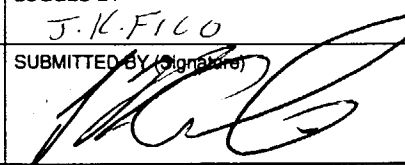
* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. *PC-2* PAGE NO. *1*

DRILLING COMPANY <i>LAFRENIERE DRILLING</i>		COLLAR ELEVATION <i>NO SURVEY</i>	BEARING OF HOLE FROM TRUE NORTH <i>360° N2</i>	TOTAL M. <i>80</i> <i>163 m.</i>	DIP OF HOLE AT COLLAR <i>-45°</i>	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM <i>LINE 14 WEST</i> <i>STATION 540 SOUTH</i>	MAP REFERENCE NO. <i>G-3998</i>	CLAIM NO. <i>752202</i>
DATE HOLE STARTED <i>JULY 25/97</i>	DATE COMPLETED <i>JULY 26/97</i>	DATE LOGGED <i>AUG. 11/97</i>	LOGGED BY <i>J.K. FILO</i>		<i>70 m</i> <i>39</i>		LOCATION (Tp., Lot, Con. OR Lat. and Long.) <i>R215/6 / Twp</i>	
EXPLORATION CO., OWNER OR OPTIONEE <i>RELANGIO LARDER MINES LIMITED</i>		DATE SUBMITTED <i>NOV 5/97</i>	SUBMITTED BY (Signature) 				PROPERTY NAME <i>RELANGIO / COPPER DOME POIRIER J.</i>	

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb <i>Au</i>	ASSAYS +			
					FROM	TO						
<i>0</i>	<i>3.3</i>	<i>CASING</i>		<i>663010</i>	<i>3.3</i>	<i>4</i>	<i>0.7</i>	<i>25</i>				
<i>3.3</i>	<i>76.6</i>	<i>DACITE FRAGMENTAL</i>	<i>@ 3.3 - 25</i> <i>- very fine grained light green to weakly bleached dacitic unit with numerous angular to sub-angular fragments - fragments are the same composition as matrix, unit is matrix supported, occasionally a substantial portion of unit comprised principally of fragments alone - some fabric noted within this unit, fragments apparently stretched, fabric oriented 45° to c.a. - a few fractures parallel to fabric (45° to c.a.); very competent unit, - minor slips 6.5m (110° to c.a.) - @ 10.3 - 10.7, small lamprophyre dyke 55° to c.a. - small vein of quartz vein 18.85 - 18.95 - very minor sulphide cl% @ 25 - 43 <i>- as per description above, no significant change - fabric somewhat more noticeable, fabric orientation 50-60° to c.a., fragments are stretched - very competent unit, some minor slips and fractures parallel to fabric - still only minor pyrite cl%</i> @ 43 - 58 <i>- as per description above (33-25m) - no significant change, this section contains a moderate to weak fabric (stretched fragments), 50° to c.a. - note again some fractures and minor slips, parallel to fabric - lamprophyre dyke 51.61 - 51.73m, 50° to c.a. - minor disseminated pyrite cl%</i></i>	<i>663011</i>	<i>4</i>	<i>5.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663012</i>	<i>5.5</i>	<i>7</i>	<i>1.5</i>	<i>25</i>				
				<i>663013</i>	<i>7</i>	<i>8.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663014</i>	<i>8.5</i>	<i>10</i>	<i>1.5</i>	<i>25</i>				
				<i>663015</i>	<i>10</i>	<i>11.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663016</i>	<i>11.5</i>	<i>13</i>	<i>1.5</i>	<i>25</i>				
				<i>663017</i>	<i>13</i>	<i>14.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663018</i>	<i>14.5</i>	<i>16</i>	<i>1.5</i>	<i>25</i>				
				<i>663019</i>	<i>16</i>	<i>17.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663020</i>	<i>17.5</i>	<i>19</i>	<i>1.5</i>	<i>5</i>				
				<i>663021</i>	<i>19</i>	<i>20.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663022</i>	<i>20.5</i>	<i>22</i>	<i>1.5</i>	<i>25</i>				
				<i>663023</i>	<i>22</i>	<i>23.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663024</i>	<i>23.5</i>	<i>25</i>	<i>1.5</i>	<i>25</i>				
				<i>663025</i>	<i>25</i>	<i>26.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663026</i>	<i>26.5</i>	<i>28</i>	<i>1.5</i>	<i>25</i>				
				<i>663027</i>	<i>28</i>	<i>29.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663028</i>	<i>29.5</i>	<i>31</i>	<i>1.5</i>	<i>25</i>				
				<i>663029</i>	<i>31</i>	<i>32.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663030</i>	<i>32.5</i>	<i>34</i>	<i>1.5</i>	<i>25</i>				
				<i>663031</i>	<i>34</i>	<i>35.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663032</i>	<i>35.5</i>	<i>37</i>	<i>1.5</i>	<i>25</i>				
				<i>663033</i>	<i>37</i>	<i>38.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663034</i>	<i>38.5</i>	<i>40</i>	<i>1.5</i>	<i>25</i>				
				<i>663035</i>	<i>40</i>	<i>41.5</i>	<i>1.5</i>	<i>9</i>				
				<i>663036</i>	<i>41.5</i>	<i>43</i>	<i>1.5</i>	<i>25</i>				
				<i>663037</i>	<i>43</i>	<i>44.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663038</i>	<i>44.5</i>	<i>46</i>	<i>1.5</i>	<i>25</i>				
				<i>663039</i>	<i>46</i>	<i>47.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663040</i>	<i>47.5</i>	<i>49</i>	<i>1.5</i>	<i>25</i>				
				<i>663041</i>	<i>49</i>	<i>50.5</i>	<i>1.5</i>	<i>25</i>				
				<i>663042</i>	<i>50.5</i>	<i>52</i>	<i>1.5</i>	<i>25</i>				
				<i>663043</i>	<i>52</i>	<i>53.5</i>	<i>1.5</i>	<i>25</i>				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON
EVERY PAGE

HOLE NO. **PC-2** PAGE NO. **3**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
			-very minor pyrite $\leq 1\%$, disseminated & stringer pyrite	663078	103	104.5	1.5	25				
				663079	104.5	106	1.5	25				
				663080	106	107.5	1.5	25				
			@ 97-124	663081	107.5	109	1.5	25				
			- still a dacitic fragmental, use again as per description @ 3.3-25m	663082	109	110.5	1.5	25				
			- unit has a strong fabric 55° to C.A.	663083	110.5	112	1.5	25				
			- fragments are sub-angular and noticeably stretched in places	663084	112	113.5	1.5	25				
			- minor quartz vein @ 113.5-115	663085	113.5	115	1.5	25				
			- weakly sheared heavily chloritized from 115.40 to 115.90; this section with chlorite contains 2-3B quartz	663086	115	115.4	0.4	25				
				663087	115.4	115.9	0.5	25				
				663088	115.9	117	1.1	7				
				663089	117	118	1.0	25				
				663090	118	119.5	1.5	25				
			- fairly numerous slips & fractures generally parallel to C.A., particularly from 97-115	663091	119.5	121	1.5	25				
			- some minor slips such as at 102.25, 30° to C.A.	663092	121	122.5	1.5	25				
			@ 112-112.5 slips @ $5-10^\circ$ to C.A., blocky section	663093	122.5	124	1.5	25				
			- very minor pyrite $\leq 1\%$	663094	124	125.5	1.5	25				
			- blocky broken section from 104.2-104.7	663095	125.5	127	1.5	25				
				663096	127	128.5	1.5	25				
				663097	128.5	130	1.5	25				
			@ 124-148	663098	130	131.5	1.5	25				
			- as per description originally @ 3.3-25m	663099	131.5	133	1.5	25				
			- this section still contains sub-angular fragments that are stretched	663100	133	134.5	1.5	25				
			- strong fabric in this interval	663101	134.5	136	1.5	25				
			- fabric oriented at 60° to C.A., section from 133-136, shear with fabric orientation at $10-15^\circ$ to C.A., minor quartz within this interval, some minor slips in this interval	663102	136	137.5	1.5	25				
			AT 10° to C.A., some of fragments have a "milled" appearance	663103	137.5	139	1.5	19				
				663104	139	140.5	1.5	25				
				663105	140.5	142	1.5	25				
				663106	142	143	1	25				
				663107	143	143.95	0.95	25				
				663108	143.95	144.5	0.55	25				
			- outside of 133-136 fabric 60° to C.A. & slips & fractures which are minor in this section	663109	144.5	145	0.50	25				
				663110	145	146.5	1.5	25				
				663111	146.5	148	1.5	25				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-2** PAGE NO. **4**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m			
		NOV-5/91			m			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
			- also, a few minor slip @ 100 to c.a. such as at 131m, 140m	663112	148	149.5	1.5	25				
			- minor leucocratic dyke about 1cm @ 139, 300 to c.a. & a 2nd dyke at 146.32-146.5, 800 to c.a.	663113	149.5	151	1.5	25				
			- minor zone of chlorite & quartz, strong chloritic alteration from 143.95-144.5, 15.20 percent quartz	663114	151	152.5	1.5	25				
			- pyrite content perhaps 1% in this unit, some sections locally over 0.5m 1-2% max.	663115	152.5	154	1.5	25				
				663116	154	155.5	1.5	25				
				663117	155.5	157	1.5	25				
				663118	157	158.5	1.5	25				
				663119	158.5	160	1.5	25				
				663120	160	161	1	25				
				663121	161	162	1	25				
				663122	162	163	1	25				
			@ 148-163 (e.o.h.)									
			- as per description @ 3.3-25m									
			- this section has little to no fabric, distinct change at 148									
			- still numerous sub-angular fragments, numerous fragments variable size 1cm to 3-4cm.									
			- very competent unit, some minor slips at 15° & 70° to c.a.									
			- weak shear with minor quartz in last m. of hole, shear 300 to c.a.									
			- very sparse pyrite < 1/2% & very rare quartz stringer									
			E.O.H. 163m.									
			CORE STORED AT PELANGIO GARDER MINES FIELD OFFICE, CONNAUGHT ONT.									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. PC-3	PAGE NO. 1
MAP REFERENCE NO. G-3998	
CLAIM NO. 752195	
LOCATION (Tp., Lot, Con. OR Lat. and Long.) BRISTOL TWP	
PROPERTY NAME PELANGIO COPPER DOME PORPHYRY OPTION	

DRILLING COMPANY LAFRENIERE DRILLING	COLLAR ELEVATION NO SURVEY	BEARING OF HOLE FROM TRUE NORTH A2180°	TOTAL M. BQ 107m.	DIP OF HOLE AT collar -45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM LINE 2 WEST ST. 310 SOUTH
DATE HOLE STARTED JULY 26	DATE COMPLETED JULY 27/96	DATE LOGGED JULY 24/96	LOGGED BY J. L. FILO	56 m -43°	
EXPLORATION CO., OWNER OR OPTIONEE PELANGIO LARDER MINES LIMITED		DATE SUBMITTED NOV 5/97	SUBMITTED BY (Signature) <i>[Signature]</i>	m	
				m	

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
0	21.1	CASING		* 662923	21.1	22	0.9	25				
21.1	67.35	DALITE	@ 21.1-44 -unit is bleached light green in color, this unit is fine grained & not very fine grained as other dalite units on this property logged previously -very massive unit -blocky broken section, possibly a fault zone from 24.5 to 27m -minor slip @ 30.5, 10° to C.A. -a number of fractures, generally 40° on 70° to C.A. -minor slip @ 35.9, 10° to C.A., slip @ 40.1-40.6, 5° to C.A. -within this interval only very rare quartz stringers noted @ 37.8-38, quartz stringers make up <1% of this interval -pyrite is noted, content variable, overall 142-22 disseminated + stringers (rare) pyrite @ 44-67.35 -as per description above -this interval also has a major fault zone from 45.5-48.5m, contacts along slips @ 50° to C.A., on both lower and upper contact fairly numerous fractures once again @ 40° & 70° to C.A. -minor shear zone from 52.85 to 55, shearing at 50° to C.A. -once again very minor quartz in this unit, a few stringers at best	662924	22	23	1	25				
				662925	23	24	1	25				
				662926	24	25	1	25				
				662927	25	26	1	25				
				662928	26	27	1	25				
				662929	27	28	1	25				
				662930	28	29	1	25				
				662931	29	30	1	25				
				662932	30	31	1	25				
				662933	31	32	1	25				
				662934	32	33	1	25				
				662935	33	34	1	25				
				662936	34	35	1	25				
				662937	35	36	1	25				
				662938	36	37	1	25				
				662939	37	38	1	25				
				662940	38	39	1	25				
				662941	39	40	1	25				
				662942	40	41	1	25				
				662943	41	42	1	25				
				662944	42	43	1	25				
				662945	43	44	1	25				
				662946	44	45	1	25				
				662947	45	46	1	25				
				662948	46	47	1	25				
				662949	47	48	1	25				
				662950	48	49	1	25				
				662951	49	50	1	25				
				662952	50	51	1	25				
				662953	51	52	1	25				
				662954	52	53	1	25				
				662955	53	54	1	25				
				662956	54	55	1	25				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-3** PAGE NO. **2**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m			
			<i>NOV 5/77</i>		m			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
			-minor slip noted @ 60.4 & 64.5, both 10° to C.A.	662957	55	56	1	25				
			-variable pyrite content once again, estimate 2% pyrite maximum; pyrite disseminated	662958	56	57	1	25				
			-slip @ 65.25m AT 10° to C.A., pyrite on slip plane	662959	57	58	1	25				
			-sharp lower contact 50° to C.A.	662960	58	59	1	25				
				662961	59	60	1	25				
				662962	60	61	1	25				
67.65	86.5	MED GRAINED INTERMEDIATE TO MAFIC VOLCANIC	@ 67.65-72.5 -med grained grey unit, some tan sections (carbonate altered). unit contains more ferromagnesium minerals suggesting unit is more mafic in composition	662963	61	62	1	25				
			-quartz carbonate clots & stringers, 10-15%	662964	62	63	1	25				
			-approximately 1% disseminated pyrite	662965	63	64	1	25				
			-fractures noted, 35° & 70° to C.A. generally	662966	64	65	1	25				
			-minor slip @ 68.3; 5° to C.A.	662967	65	66	1	25				
				662968	66	67	1	6				
				662969	67	67.65	0.65	25				
				662970	67.65	68	0.35	25				
				662971	68	69	1	25				
			@ 72.5-79 -still as at 67.65-72.5, this section of unit sheared, shearing @ 45° to C.A.	662972	69	70	1	9				
			-unit easily scratched with knife, some chlorite noted	662973	70	71	1	25				
			-still some quartz carbonate stringers, perhaps 5%, also some minor smoky grey/white quartz veinlets about a cm. wide often vesiculated to some extent; variable pyrite content 1/2-1% overall, finely disseminated	662974	71	72	1	25				
			-change in shear orientation, 35° to C.A. @ 77m	662975	72	73	1	14				
			-fractures in this section tend to parallel fabric	662976	73	74	1	32				
			-minor slip noted at 75.5, 15° to C.A.	662977	74	75	1	25				
			-at 77-78.5, section with very minimal shearing & distinctly grey in color	662978	75	76	1	25				
				662979	76	77	1	25				
				662980	77	78	1	25				
				662981	78	79	1	25				
				662982	79	80	1	25				
				662983	80	81	1	25				
				662984	81	82	1	25				
				662985	82	83	1	25				
				662986	83	84	1	25				
				662987	84	85	1	25				
				662988	85	86.5	1	25				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-3** PAGE NO. **3**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	m	°		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)	m	°		PROPERTY NAME	
		NOV. 5/99		m	°			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ASSAYS +	
					FROM	TO		ppb Au	ppm Cu Zn
			@ 79-86.5	662989	86.5	88	1.5	32	
			- massive unit still grey but more greenish grey,	662990	88	89	1	25	
			towards lower contact from 84.5-86.5, tan colored	662991	89	90	1	25	80 65
			(carbonate altered); substantial quartz carb stringers	662992	90	91	1	25	81 60
			(USB) & minor quartz veinlets	662993	91	92	1	25	75 56
			- minor pyrite in this interval 1/2-1% maximum	662994	92	93	1	25	
			- lower contact on fault at 86.5, 10° to C.A.	662995	93	94	1	25	
			- also some minor fabric, 83-84.5, 50° to C.A.	662996	94	95	1	8	
86.5	107	DACITE VOLCANIC	initially from 86.5-90.5 m. unit is moderately	662997	95	96	1	15	
			to weakly sheared, lbs of quartz carb stringers	662998	96	97	1	25	
			generally parallel to shear fabric 55° to C.A.	662999	97	98	1	25	
			variable pyrite content with increased section,	663000	98	99	1	25	
			estimate 1/2-1%	663001	99	100	1	25	
			- this section is bleached light green in	663002	100	101	1	25	
			color & unit is fine grained	663003	101	102	1	25	
			- a number of fractures in this unit parallel to	663004	102	103	1	25	
			shear	663005	103	104	1	25	
			-	663006	104	105	1	25	
			- @ 90.5-107 m	663007	105	105.7	0.7	25	
			- fine grained massive unit, greenish color	663008	105.7	106	0.3	25	
			- minimal amount of quartz & quartz	663009	106	107	1	8	
			carbonate veins, except from 101-107 slight						
			increase, quartz & quartz carbonate veins						
			may make up 3-4% of unit						
			- very sparse pyrite content <1/2% overall,						
			perhaps 1% from 101-107						
			- minor spalerite, noted at 91-92 m in fracture						
			- very competent unit with a few fractures						
			that are generally 90° to C.A., some chlorite						
			- section of sheared tan colored dacite						
			(carbonate alteration?) from 105-105.70						
			some quartz & pyrite 1-2% in this section						

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE 

HOLE NO. PAGE NO.

PL-3

4

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m			
					m			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ASSAYS +						
					FROM	TO								
			E.O.H. - 107 M											
			NOTES: ① CASING LEFT IN THIS HOLE											
			② CORE STORED AT RELANGIO FIELD OFFICE, LONVAUGHT UNIT											

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

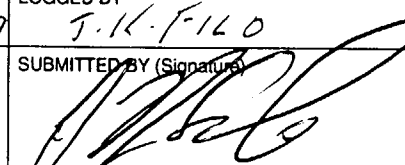
+ Additional credit available. See Assessment Method Document.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON
EVERY PAGE

HOLE NO. **PC-4** PAGE NO. **1**

DRILLING COMPANY LAFRENIERE DRILLING		COLLAR ELEVATION NO SURVEY	BEARING OF HOLE FROM TRUE NORTH 360° AZ	TOTAL M. BQ 116 m	DIP OF HOLE AT collar -45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM L 20 + 50 W. STATION 8+50S.	MAP REFERENCE NO. G-3998	CLAIM NO. 1218743
DATE HOLE STARTED JULY 21/97	DATE COMPLETED JULY 22/97	DATE LOGGED JULY 23/97	LOGGED BY J.H. FILO				LOCATION (Tp., Lot, Con. OR Lat. and Long.) BRISTOL TWP.	
EXPLORATION CO., OWNER OR OPTIONEE PELANGIO LARDER MINES		DATE SUBMITTED NOV 5/97	SUBMITTED BY (Signature) 				PROPERTY NAME POIRIER / COPPER DOME JV.	

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ASSAYS +	
					FROM	TO			
0	5	LASING							
5	16m	MED. GRAINED INTERMEDIATE MAFIC VOLCANIC	<p>fine-med grained bleached green/grey unit * has coarse appearance to unit on outside surface, gritty on fresh surface</p> <p>- very blocky & broken up, minor fault zone from 8m to 9.2m, both upper & lower contacts @ about 10-15° to C.A.</p> <p>- two mafic dykes noted within this unit at 5.6m-6.75m, both upper & lower contact of first dyke ground up.</p> <p>- second dyke from 8.8m to 10.15m, dyke are very fine grained & black in color, dykes are not magnetic, lower dyke has an upper contact at 15.20° to C.A. & lower contact 45° to C.A.</p> <p>- this unit (fault unit) contains an occasional quartz stringer, at 30° to C.A., these quartz stringers follow fracture which are fairly numerous & are at 30-45° to C.A.</p> <p>- last few m. of unit has vesicles that have been infilled with quartz/carbonate</p> <p>- lower contact with dacite unit, gradational</p> <p>- very minor pyrite in this section, some minor pyrite (disseminated) noted from 12.5-14m.</p>	662677 662678 662679 662680 662681 662682 662683 662684 662685 662686 662687 662688 662689 662690	5.0 5.6 6.75 8.00 8.80 10.15 11 12.5 14 15 16 17 18 19 20	5.60 6.75 8.00 8.80 10.15 11 12.5 14 15.0 16 17 18 19 20	0.6 1.15 1.25 1.80 1.35 0.85 1.5 1.5 1 1 1 1 1 1 1	25 8 25 25 25 25 25 25 25 25 25 25 25 25 25	
16m	20.6	FINE GRAINED DALITIC VOLCANIC	<p>light green colored unit that is very fine grained</p> <p>- massive unit with some fabric locally such as at 17.3-18m, (minor shear); some quartz stringers & some minor pyrite locally disseminated, quartz stringers 17-10° of shear.</p> <p>- also some pyrite outside of shear occasionally</p>						

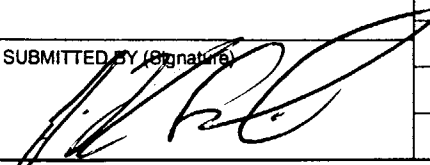
* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-4** PAGE NO. **2**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m			
		NOV. 5/97			m			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
			-pyrite content overall 21% in this unit -numerous fractures in this unit at about 50° to C.A. -minor fault @ 18.5m, 5° to C.A. -crenulated quartz stringer noted, lot of chlorite as well @ 19.8m -a distinct fabric noted @ 50° to C.A. prior to graphite intersection from 20.3 to 20.6, this small shear has some quartz stringers associated with it.	662691	20.6	21.10	0.5	25				
				662692	21.10	22	0.9	11				
				662693	22	23	1	50				
				662694	23	24.5	1.5	6				
				662696	24.5	26	1.5	25				
				662697	26	27.5	1.5	25				
				662698	27.5	27.95	0.45	25				
20.6	21.10	GRAPHITE	-graphitic zone with dyke material similar to that described previously in this hole and a 10cm quartz stockwork near lower contact -upper contact 60° to C.A., lower contact 45° to C.A.									
21.10	27.5	FINE GRAINED DACITIC VOLCANIC	-once again very fine grained unit as per same unit described again, this unit is a very light green color again -this dacitic unit is slightly harder to scratch than unit above -numerous fractures throughout unit, variable orientation, generally 45° to C.A., but some fracture 20° to C.A. -some very minor quartz stringers & trace of pyrite -minor fracture with gouge 21.40, 10° to C.A. -minor fault with chlorite at 24m & slickensides at 24m. -lower contact with quartz vein sharp 80° to C.A.									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-4**
PAGE NO. **3**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)		
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m		PROPERTY NAME		
		NOV 5/99			m				

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +					
					FROM	TO								
27.5	27.95	QUARTZ VEIN	- white quartz vein with some altered wall rock material - lower contact 400 to C.A.											
27.95	30	FINE GRAINED DACITIC VOLCANIC	- this unit is similar to the unit @ 21.1-27.5, except this section has a distinct fabric or shear to it @ 60° to C.A., there are also a number of fragments present in this section - unit is still a light green color, with some slightly harder sections, for the most part section can be scratched - some minor quartz stringers @ 50° to C.A. with some hematite on vein salvage - very minor mineralization, pyrite found on a few fracture planes - fractures tend to parallel fabric in this section, 30° to C.A. - lower contact along a small fault zone about 20cm long, oriented 50° to C.A.	662699	27.95	29	1.05	25						
				662700	29	30	1	25						
				662701	30	31	1	25						
				662702	31	32	1	25						
				662703	32	32.75	0.75	25						
30	32.75	MED. GRAINED INTERMEDIATE/MAFIC VOLCANIC	- coarser grained greenish grey unit - a few minor slips @ 10° to C.A. - a few fractures @ 60° to C.A. - no veins except a lower contact 1-2 cm - sparse sulphide < 1% - locally some weak fabric @ 32.5 - lower contact on vein 70° to C.A.											

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-4** PAGE NO. **4**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	m			LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)	m			PROPERTY NAME	
		NOV. 5/97	<i>[Signature]</i>	m				

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ASSAYS +		PPM	
					FROM	TO		Au		Cu	Zn
32.75	49.4	FINE GRAINED DACITIC VOLCANIC	-as per previous descriptions of this unit, very fine grained unit, greenish in color (light)	662701	32.75	34	1.25	25		81	53
			-fairly massive in this interval with some local sheared sections	662705	34	35	1	25		106	57
			-very minimal quartz, rare to non-existent	662706	35	36	1	25		92	52
			-very apparent that there is a change in pyrite or mineral content overall with the start of this unit	662707	36	37	1	25		97	57
			-strange pyrite & fine disseminated pyrite in the 32-33 range noted in this unit, also rare speck of chalcopyrite	662708	37	38	1	25		96	89
			-series of minor slips & faults from 33-35, orientation 15° to C.A.	662709	38	39	1	21		98	59
			-shearing noted from 43-46m, both shear zone & other sections of this unit harder to scratch with knife than previous	662710	39	40	1	25		107	48
			F.G. dacitic sections, slightly more silicious??	662711	40	41	1	25		89	50
			-orientation of shear varies from 40-60° to C.A.	662712	41	42	1	25		103	53
			-in shear fractures tend to follow shear orientation, outside shears 70° to C.A. in general	662713	42	43	1	25		101	53
			-in shear a few quartz stringers & veins parallel to shear	662714	43	44	1	25		103	56
			-unit becomes ever so slightly coarser grained from 47.2 to quartz vein at 49.35, sharp contact @ 49.35, 20° to C.A.	662715	44	45	1	25		100	58
				662716	45	46	1	25		100	62
				662717	46	47	1	25		95	72
				662718	47	48	1	25		96	53
				662719	48	49	1	25		100	55
				662720	49	49.4	0.4	25		85	69
44.4	49.7	QUARTZ VEIN	-barren white quartz vein, lower contact 20° to C.A.	662721	49.4	49.7	0.3	25		25	48
				662722	49.7	51	1.3	25		96	54
				662723	51	52	1	25		96	54
44.7	71.25	MEDIUM GRAINED INTERMEDIATE/MAFIC VOLCANIC	-medium to fine grained greenish to slightly greyish colored volcanic, massive, unit becomes somewhat sheared @ 61.5 - 71.25	662724	52	53	1	25		102	57
				662725	53	54	1	25		118	49
				662726	54	55	1	25		82	51
				662727	55	56	1	25		100	56

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILE EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-4** PAGE NO. **5**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	m	°		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)	m	°		PROPERTY NAME	
		NOV. 5/91	<i>[Signature]</i>	m	°			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ASSAYS +	
					FROM	TO		ppm Au	ppm Cu Zn
			- fabric or weak shear oriented	662728	56	57	1	25	100 51
			50° to C.A., but varies locally proximal to faults	662729	57	58	1	25	99 67
			- this unit contains a lot of extremely fine disseminated pyrite estimate 1-3%, average about 2%	662730	58	59	1	25	73 73
			- minor fault noted at 54.9 m, 10° to C.A.	662731	59	60	1	25	125 67
			- minor quartz veinlet @ 58.10-58.15	662732	60	61	1	25	93 67
			- distinct increase in quartz carbonate stringers, as shear becomes stronger @ 61-66 m, also unit somewhat more grey in color in this section, quartz carbonate stringers make up 4-5% of unit	662733	61	62	1	25	185 72
			- distinct minor fault at end of moderate shear	662734	62	63	1	25	89 70
			66.15 m, slickensides noted on fault plane, fault @ 10° to C.A., still some fabric or weak shearing to contact	662735	63	64	1	25	97 68
			- @ 71.25 contact sharp and along a fabric or weak shear orientation, 60° to C.A.	662736	64	65	1	25	78 69
				662737	65	66	1	25	60 66
				662738	66	67	1	25	29 62
				662739	67	68	1	25	90 67
				662740	68	69	1	25	100 65
				662741	69	70	1	25	69 68
				662742	70	71.25	1	25	88 76
71.25	81	DACITE FRAGMENTAL	- this unit is a fragmental dacite	662743	71.25	72	0.75	25	102 69
			- fragments are angular to sub-angular and are about 2cm or less along their longest axis	662744	72	73	1	25	79 74
			- unit is principally comprised of matrix material that is fine grained (very), unit is a light green color	662745	73	74	1	25	91 59
			- unit contains 3-4% disseminated fine pyrite throughout, no significant quartz in unit	662746	74	75	1	25	97 59
			- a number of fractures at 70° to C.A.	662747	75	76	1	25	104 51
			- no significant slips or faults noted	662748	76	77	1	25	101 52
			- lower contact at 81 m, sharp and at 20° to C.A.	662749	77	78	1	25	100 51
				662750	78	79	1	25	84 52
				662751	79	80	1	25	83 51
				662752	80	81	1	25	115 47

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-4** PAGE NO. **6**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY	m	LOCATION (Tp., Lot, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)	m					
				m					
				m	PROPERTY NAME				
FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M. FROM TO		SAMPLE LENGTH	ppm Au	ASSAYS +
81	97.2	DACITIC VOLCANIC	- fine grained dacitic unit, flow, light green in color, fairly massive, a few minor quartz stringers - some local minor sections with shearing on fabric i.e. 93-93.5 m (shearing @ 45° to C.A.) - variable pyrite content 1-3%, overall average 1% - fractures fairly numerous & oriented 60-70° to C.A. - fairly sharp lower contact, 70° to C.A.	662753 662754 662755 662756 662757 662758 662759 662760 662761 662762 662763 662764	81 82 83 84 85 86 87 88 89 90 91 92	82 83 84 85 86 87 88 89 90 91 92	1 1 1 1 1 1 1 1 1 1 1 1	25 25 25 25 6 25 25 25 25 25 8 8	
97.2	101.5	DACITE FRAGMENTAL	- as per previous description for interval 71.25-81 - 1-2% fine disseminated pyrite noted in this interval - somewhat more siliceous than adjoining dacitic volcanics - some chlorite noted on fractures & slips on occasion & occasionally interstitial to fragments - once again numerous fractures 75°-60° to C.A. - minor fault on lower contact, 60° to C.A.	662765 662766 662767 662768 662769 662770 662771 662772 662773 662774 662775 662776 662777	93 94 95 96 97.2 98 99 100 101 101.5 102 103 104	94 95 96 97.2 98 99 100 101 101.5 102 103 104	1 1 1 1.2 0.8 1 1 0.5 0.5 1 1 1 1	6 25 11 25 7 11 25 25 6 25 25 25 25	
101.5	111.2	DACITIC VOLCANIC	- fine grained, massive, light green dacitic flow - few very minor quartz stringers - once again variable pyrite content 1-3%, overall 1% average - numerous fractures at 50° to C.A. - gradational contact with lower fragmental	662778 662779 662780 662781 662782 662783 662784 662785 662786	105 106 107 108 109 110 111.2 112 113	106 107 108 109 110 111.2 112 113	1 1 1 1 1 1.2 0.8 1 1	25 25 25 25 25 25 25 25 25	

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

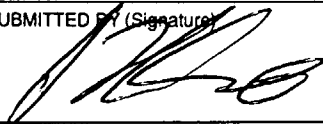
+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-4**
PAGE NO. **7**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m				
		NOV. 5/97			m				

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	PPM Au	ASSAYS +			
					FROM	TO						
111.2	116	DALYIC FRAGMENTAL	- light green colored unit with angular fragments similar in composition to diorite matrix - occasionally some minor chlorite noted interstitial to fragments & on fracture & slip planes - fractures in this unit 90° to C.A & a few minor slips such as at 115.6 (20° to C.A) - minor quartz & quartz carb stringers 2-3% - variable pyrite content 1-3%, finely disseminated pyrite overall 1% estimate	662989	114	115	1	25				
				662988	115	116	1	25				
E.O.H 116M												
CORE STORED AT PELANGIO FIELD OFFICE, CONNAUGHT ONTARIO.												

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

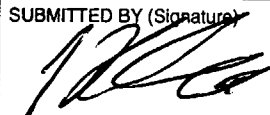
+ Additional credit available. See Assessment Work Regulations.

FILE EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-5** PAGE NO. **1**

DRILLING COMPANY LAFRENIERE DRILLING		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH 180° Az	TOTAL M. BQ 128M.	DIP OF HOLE AT collar -45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM L. 9 WEST ST. 475 SOUTH	MAP REFERENCE NO. G-3998	CLAIM NO. 752199
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED AUG 13/97	LOGGED BY J.K. FILO		65 m -43°		LOCATION (Tp., Lot, Con. OR Lat. and Long.) Bristol Twp	
EXPLORATION CO., OWNER OR OPTIONEE PELANGIO LARDEZ MINES		DATE SUBMITTED NOV. 5/97	SUBMITTED BY (Signature) 		m		PROPERTY NAME PELANGIO LARDEZ / COPPER DOME MINES POIRIER S.V.	
					m			

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
0	20.3	CASING (LEFT IN HOLE)		*663123	20.3	21.5	1.2	25				
				663124	21.5	23	1.5	25				
				663125	23	24.5	1.5	25				
20.3	29.25	INTERMEDIATE TO MAFIC VOLCANIC? (SHEARED)	- this unit is sheared & light grey in color, unit has a fair amount of ferro-mag minerals suggesting it is more mafic in composition - a number of tiny quartz carbonate stringers running parallel to the fabric of the shear, 2-3% quartz carb, shear orientation 55° to C.A. - unit has numerous slips parallel to shear, very blocky initially - small quartz vein, buff white from 25.6-25.8m, contacts 55-60° to C.A. - very minor pyrite & Hz overall - lower contact at 29.25, 55° to C.A.	663126	24.5	26	1.5	25				
				663127	26	27	1	25				
				663128	27	28.25	1.25	25				
				663129	28.25	29.25	1.00	25				
				663130	29.25	30.5	1.25	25				
				663131	30.5	32	1.5	25				
				663132	32	33.5	1.5	25				
				663133	33.5	35	1.5	25				
				663134	35	36.5	1.5	25				
				663135	36.5	38	1.5	25				
				663136	38	39.5	1.5	25				
				663137	39.5	41	1.5	25				
				663138	41	42.5	1.5	25				
29.25	35	DACITE (SHEARED)	- this unit is fine grained & light green in color, unit is moderately sheared, shear orientation, 50° to C.A. - this unit distinctly lighter in color with much fewer ferro-mag minerals suggesting this is a more intermediate to felsic unit - some chlorite alteration noted (minor) - very blocky & broken up, numerous minor slips @ 100° to C.A. (i.e 31m, 32.5m, 34.6m) - also numerous slips & fractures at 55° to C.A., parallel to dominant fabric - occasional minor quartz stringer noted parallel to fabric - minor pyrite & Hz	663139	42.5	44	1.5	25				

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-5** PAGE NO. **2**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY				LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)				PROPERTY NAME	
		NOV. 5/97						

M.		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
FROM	TO				FROM	TO						
35	86.25	DACITE	@ 35-50 - once again a very light colored unit, massive in appearance, some very minor localized stringers on occasion but for the most part massive - again this unit has a distinct lighter color & less ferro-mag minerals than initial unit in this hole suggesting an intermediate to felsic unit - generally this unit is very fine grained with minor fine to medium grained sections, a section of fine to medium grained dacite is present initially in this unit from 35-42.5m. - minor fault noted at 38.3-38.7m, blocky broken zone - overall a few fractures in a generally competent interval, fractures + a few minor slips in this interval generally 55° to C.A. - minor quartz stringers from 41-50 (1-2%) - very weak shear fabric over 0.5m intervals from 47-50m. - this section contains about 2% pyrite from 42.5-50m, fine to med gr portion of unit contains very little pyrite (trace)	663140	44	46.5	1.5	25				
				663141	45.5	47	1.5	25				
				663142	47	48.5	1.5	25				
				663143	48.5	50	1.5	25				
				663144	50	51.5	1.5	25				
				663145	51.5	53	1.5	25				
				663146	53	54.5	1.5	25				
				663147	54.5	56	1.5	25				
				663148	56	57.5	1.5	25				
				663149	57.5	59	1.5	25				
				663150	59	60.5	1.5	25				
				663151	60.5	62	1.5	25				
				663152	62	63.5	1.5	25				
				663153	63.5	65	1.5	6				
			@ 50-65 - generally as per description above from 35-50 - very fine grained unit, minor section of unit fine-med gr from 59.4-61.6m - weak fabric or shear continues from interval above to 51m, start of a fault zone from 51 to 51.95, lower fault contact 100° to C.A. - quartz carb stringers 1-2% in shear parallel to fabric above fault									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-5** PAGE NO. **3**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m			
					m			
					m			

M. FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
			-some quartz/carb stringers & clots below fault as well, these are minor and make up 1-2% of unit overall below fault	663154	65	66.5	1.5	<5				
				663155	66.5	68	1.5	<5				
				663156	68	69.5	1.5	<5				
			-below fault unit fairly competent, minimal slips (generally 55 to c.A.) fault are minor, & a few minor slips 10-15° degrees to c.A.	663157	69.5	71	1.5	<5				
			Structures also minimal generally 50-60° to c.A. when noted	663158	71	72.5	1.5	<5				
				663159	72.5	74	1.5	<5				
			-still 2% pyrite to about 53m., below 53m trace pyrite.	663160	74	75.5	1.5	<5				
				663161	75.5	77	1.5	<5				
				663162	77	78.5	1.5	<5				
				663163	78.5	80	1.5	<5				
				663164	80	81	1	<5				
			@65-77	663165	81	82	1	<5				
			-this unit or section is as per description	N/S	82	83	GROUND	-				
			@35-65 & 35-50	663166	83	84	1	<5				
			-majority of this interval very fine grained & massive, minor weak shear from 76-77	N/S	84	86	GROUND	-				
			some minor weak shearing for about 1 metre above major fault from 67.4-68.6	663167	86	86.25	0.25	<5				
			(block broken ground section)	663168	86.25	87.50	1.25	<5				
			-also 2nd minor fault from 77-77.35, also blocky & broken zones	663169	87.5	89	1.5	<5				
			-in both faults contacts 60-70° to c.A.									
			-outside of faults unit is fairly competent									
			-minor quartz in this section & trace of pyrite									
			@77-86.25									
			-as per previous description for this unit									
			-this particular section is very fine grained									
			-a number of minor slips @10° & 20° to c.A.									
			-minimal quartz & trace pyrite									
			-major fault zone from 79.85-86.25, broken & blocky dacite to 83 & mud & gouge for rest of fault zone except for 25cm of quartz at end of fault									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILE EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-5** PAGE NO. **4**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.		
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)			
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m					
		NOV. 5/97			m			PROPERTY NAME		

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +				
					FROM	TO							
			- blocky broken ground lower contact										
86.25	128	INTERMEDIATE TO MAGIC VOLCANIC	<p>86.25-104</p> <p>- initially this unit is a moderately sheared fine grained grey unit, unit appears to be closer to a mafic volcanic than intermediate (more ferro-mag minerals, darker unit), - shearing increases significantly at 90m & unit more massive in appearance - shear orientation 60° to C.A.</p> <p>- some quartz carbonate veining (stringers) parallel to shear fabric 3-4% of shear, very little to fr. pyrite in shear</p> <p>- from 90-104 unit basically massive, more med-grained, competent unit, a few minor slips at 10-15° to C.A. i.e. 94m, 95.3m, 99.6m, 100.7m, 103m</p> <p>- massive section of unit has a few fractures 45-50° to C.A.</p> <p>- very minimal quartz or quartz carb stringers in massive section from 90-104, very minor pyrite < 1/2%</p> <p>- leucocenes noted at 97m.</p>	663170	89	90.5	1.5	25					
				663171	90.5	92	1.5	25					
				663172	92	93.5	1.5	25					
				663173	93.5	95	1.5	25					
				663174	95	96.5	1.5	25					
				663175	96.5	98	1.5	25					
				663176	98	99.5	1.5	25					
				663177	99.5	101	1.5	25					
				663178	101	102.5	1.5	25					
				663179	102.5	104	1.5	20					

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

FILO EXPLORATION DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each new hole.

FILL IN ON EVERY PAGE

HOLE NO. **PC-5** PAGE NO. **5**

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL M.	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		m		LOCATION (Tp., Lot, Con. OR Lat. and Long.)		
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		m		PROPERTY NAME		
		NOV 5/97			m				

M. FROM	M. TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	YOUR SAMPLE NUMBER	SAMPLE M.		SAMPLE LENGTH	ppb Au	ASSAYS +			
					FROM	TO						
			@ 104-122	663180	104	105.5	1.5	25				
			- no significant change from initial description above @ 86.25-104	663181	105.5	107	1.5	14				
			- one grain very massive unit, competent.	663182	107	108.5	1.5	25				
			occasional fault like @ 117.2, 121.3, both 150/0CA, a few fractures @ 600 to C.A. generally	663183	108.5	110	1.5	25				
			- very rare quartz stringer & trace of pyrite	663184	110	111.5	1.5	25				
				663185	111.5	113	1.5	25				
				663186	113	114.5	1.5	25				
				663187	114.5	116	1.5	9				
				663188	116	117.5	1.5	25				
122	127	Sheared Intermediate to Mafic Volcanic	122-128	663189	117.5	119	1.5	25				
			- sheared unit very similar to description initially in this hole @ 20.3-29.25.	663190	119	120.5	1.5	25				
			- this unit slightly more greenish still a fair amount of quartz carbonate stringers parallel to shear 500 to C.A.	663191	120.5	122	1.5	25				
			- a few slips (minor) parallel to C.A.	663192	122	123.5	1.5	25				
			- minor pyrite < 1%	663193	123.5	125	1.5	25				
			- at 124.35-124.7 some chlorite & more intense quartz veining	663194	125	126	1	25				
			- sharp lower contact, abrupt end to shear	663195	126	127	1	25				
				663196	127	128	1	25				
127	128	INTERMEDIATE to MAFIC VOLCANIC	- as per description above @ 86.25-122									
			E.O.H 128									
			CORE STORED IN CONNAUGHT ONT AT PELANCO FIELD OFFICE									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9760-00771 Assessment Files Research Imaging

FINAL with authorization

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the questions about the work and correspond with the mining land holder.



42A05NE0168 2.18034 BRISTOL

900 claim, use form 0240.

Instructions

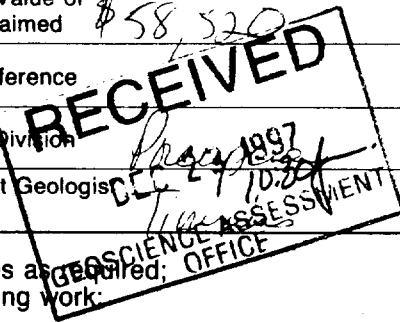
1. Recorded holder(s) (Attach a list if necessary)

Form with fields for Name, Address, Client Number, Telephone Number, Fax Number for Copper-Dome Mines and R. Poirier.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
Physical: drilling, stripping, trenching and associated assays
Rehabilitation

Form with fields for Work Type (Diamond Drilling & assays), Dates Work Performed, Global Positioning System Data, Township/Area, Mining Division, Resident Geologist District.



- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

2.18034

3. Person or companies who prepared the technical report (Attach a list if necessary)

Form with fields for Name, Address, Telephone Number, Fax Number for Kevin Felo.

4. Certification by Recorded Holder or Agent

I, J. Kevin Felo, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Form with fields for Signature of Recorded Holder or Agent, Date (Nov 24/97), Agent's Address, Telephone Number, Fax Number.

March 23/98

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W 9760 0077/

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 752195	1	\$10328 ⁰⁰ /	\$3442	\$6886 ⁰⁰	0
2 752196	1	0	\$3442	0	0
3 752197	1	0	\$3442	0	0
4 752198	1	0	\$3442	0	0
5 752199	1	\$24,684 ⁰⁰ /	\$3442	\$21,242 ⁰⁰	0
6 752200	1	0	\$3442	0	0
7 752201	1	0	\$3442	0	0
8 752202	1	\$14,174 ⁰⁰ /	\$3442	\$10,732	0
9 752203	1	0	\$3442	0	0
10 752204	1	0	\$3442	0	0
11 752205	1	0	\$3442	0	0
12 1218743	5	\$9334 ⁰⁰ /	\$17,216	0	0
13 871664	1	0	\$3442	0	0
14					
15					
Column Totals		\$58,520 ⁰⁰	\$58,520 ⁰⁰	\$38,860 ⁰⁰	

RECEIVED
 DEC 23 1997
 10:24
 GEOSCIENCE ASSESSMENT
 OFFICE

I, J Kevin Fibo (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: Dec 20 1997

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

2. 18034

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Diamond Drilling	672m		46863 ⁵³
Geologist			3500
Assays	520		6356 ⁸⁷
Associated Costs (e.g. supplies, mobilization and demobilization).			
	Mob/Demob		1800 ⁻
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			58520⁴⁰

RECEIVED
 DEC 23 1997
 10:20
 GEOSCIENCE ASSESSMENT
 OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

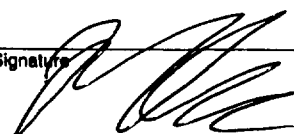
TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, J Kevin Fibo (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature:  Date: Dec. 20/97

February 23, 1998

COPPER DOME MINES LTD
1022-470 GRANVILLE ST.
VANCOUVER, ONTARIO
V6C-1V9

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

Dear Sir or Madam:

Submission Number: 2.18034

Status

Subject: Transaction Number(s): W9760.00771 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18034

Date Correspondence Sent: February 23, 1998

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00771	752195	BRISTOL	Deemed Approval	February 20, 1998

Section:
16 Drilling PDRILL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Kevin Filo
TIMMINS, ONTARIO, CANADA

COPPER DOME MINES LTD
VANCOUVER, ONTARIO

ROLLAND JOSEPH POIRIER
TIMMINS, Ontario

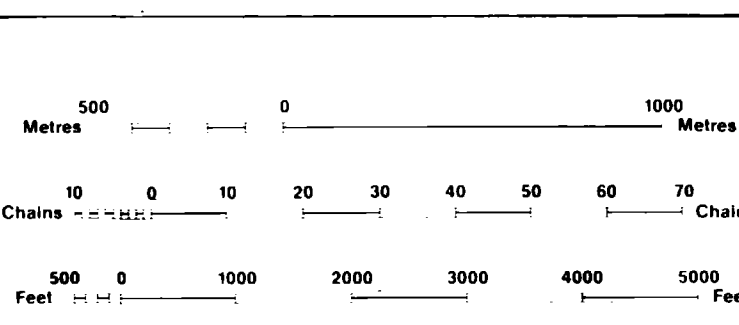
LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



SCALE 1:20 000

ZONE 17

- APPLICATION PENDING UNDER THE PUBLIC LANDS ACT
- NOTICE RECEIVED 22-DEC-21
- SNOWMOBILE TRAILS
- APPLICATION FOR CROWN LAND UNDER THE PUBLIC LANDS ACT
- NOTICE RECEIVED 20-MAY-14
- COB EXCAVATION TOP SOIL HOLDING STORAGE ETC.
- THIS TWP. SUBJECT TO FOREST ACTIVITY IN 1992/93. FURTHER INFORMATION AVAILABLE ON FILE.
- MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990. ORDER NO. O-P-22/92 DATED 22-AUG-93 (CLAIM NO'S P-451541 TO P-451548 INCL. P-453999, P-454000, P-479503 TO P-479506 INCL. AND P-480319 TO P-480317 INCL.)
- MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT R.S.O. 1990. ORDER NO. W-50146 DATED 26-MAY-92.
- MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990. ORDER NO. O-P-24/92 DATED 22-AUG-93 (CLAIM NO'S P-522666 TO P-522672 INCL. AND P-523009 TO P-523016 INCL.)
- MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990. ORDER NO. O-P-24/92 DATED 22-AUG-93 (CLAIM NO'S P-451541 TO P-451548 INCL. P-453999, P-454000, P-479503 TO P-479506 INCL. AND P-480319 TO P-480317 INCL.)

DATE OF ISSUE

DEC 23 1997

PROVINCIAL RECORDING OFFICE - SUDBURY

TOWNSHIP

BRISTOL

M.N.R. ADMINISTRATIVE DISTRICT

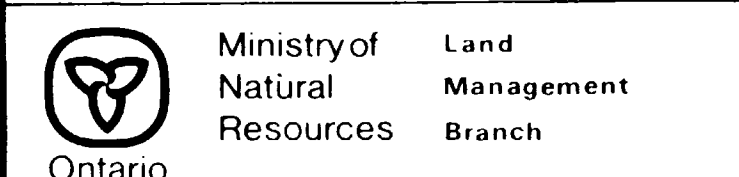
TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE



ORIGINAL COMPILATION JULY 1984

ACTIVATED JULY 15, 1992 BY DC

REVISED

CHECKED BY G.W.

G-3998

MAP SYMBOLOGY

Aerial Cableway	Pipeline (above ground)
Boundary	Railroad
International	Single Track
Provincial	Double Track
District, Township	Abandoned
Indian Reserve	Artificial
Approximate	Road
Lot, Concession	Highway, County
Approximate	Township
Park Boundary	Access (road of doubtful significance)
Bridge	Trail, Back Road (dotted lines)
Road, Railroad	Rapids
Building	Double line river with multiple rapids
Chimney	Double line river with multiple rapids
Cliff, Pit, Pile	Reservoir
Contours	River, Stream, Canal
Interpretation	Approximate
Approximate	Control Points
Desertion	Horizontal
Control Points	Vertical
Horizontal	Culvert
Vertical	Falls
Culvert	Fence, Hedge, Wall
Falls	Feature Outline
Fence, Hedge, Wall	Flooded Land
Feature Outline	Lock
Flooded Land	Marsh or Swamp
Lock	Most
Marsh or Swamp	Mine Head Frame
Most	Outcrop
Mine Head Frame	
Outcrop	

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
	S.R.O.	164584		

MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT R.S.O. 1990. ORDER NO. W-58186 WR DATED 06-DEC-90.

MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990. ORDER NO. O-P-22/92 DATED 22-AUG-93 (CLAIM NO'S P-451541 TO P-451548 INCL. P-453999, P-454000, P-479503 TO P-479506 INCL. AND P-480319 TO P-480317 INCL.)

MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT R.S.O. 1990. ORDER NO. W-50146 DATED 26-MAY-92.

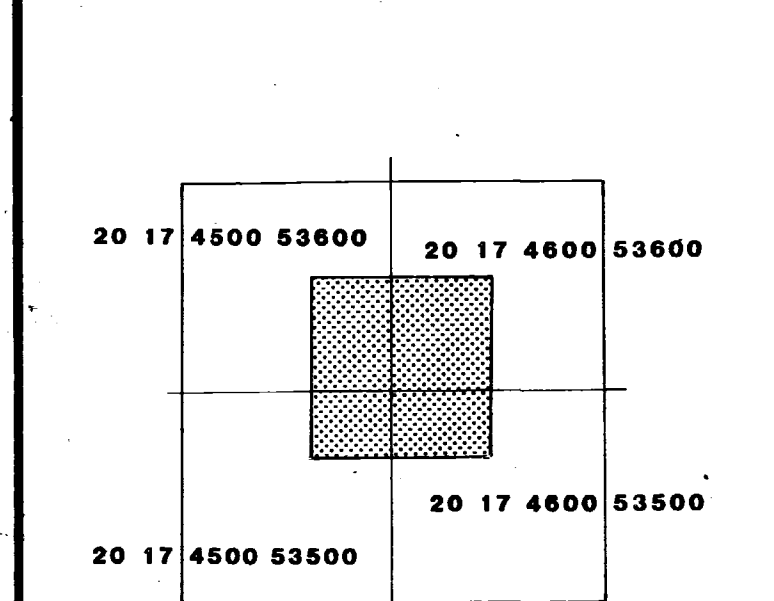
THIS TWP. SUBJECT TO FOREST ACTIVITY IN 1992/93. FURTHER INFORMATION AVAILABLE ON FILE.

MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990. ORDER NO. O-P-24/92 DATED 22-AUG-93 (CLAIM NO'S P-522666 TO P-522672 INCL. AND P-523009 TO P-523016 INCL.)

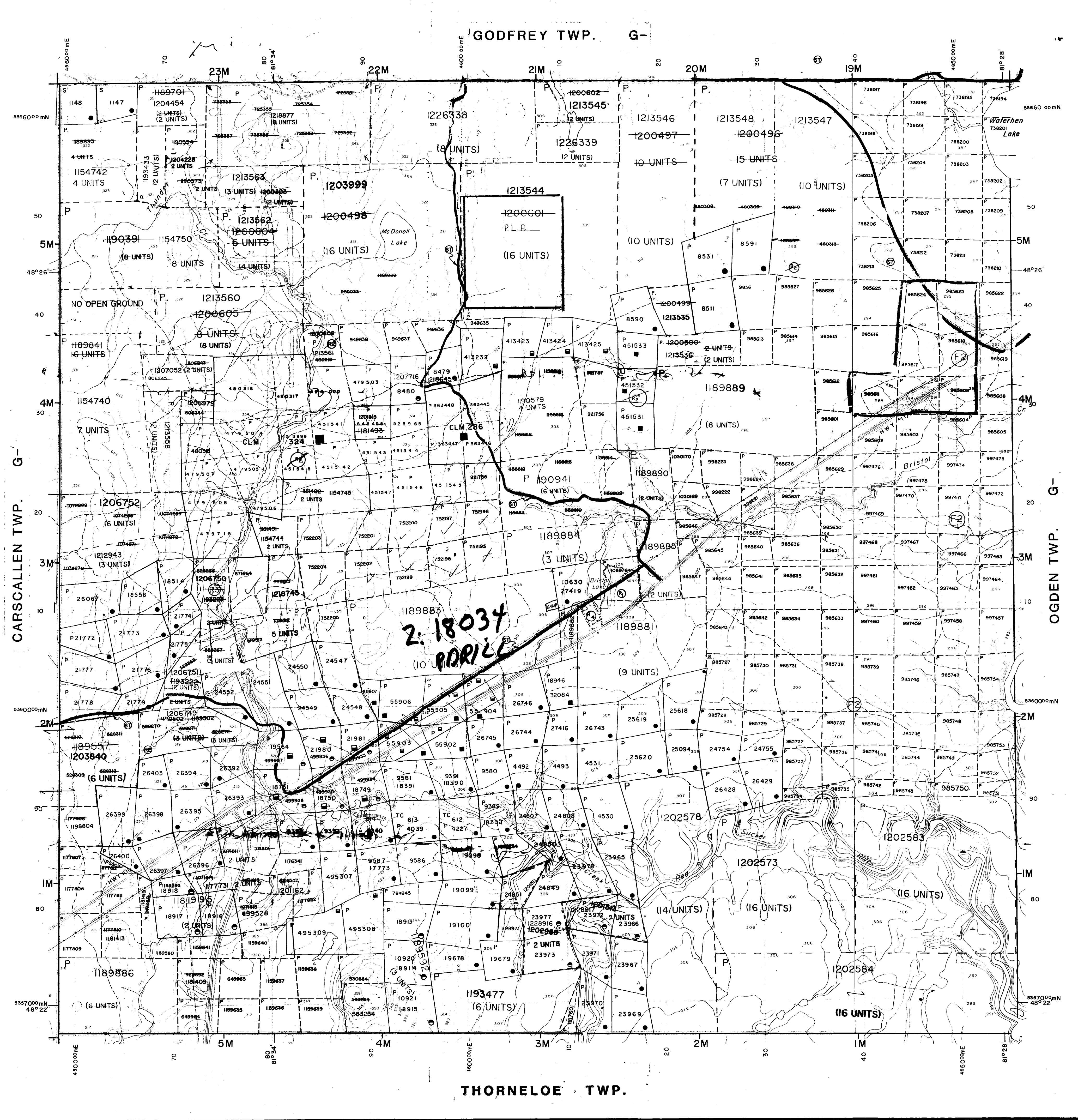
MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990. ORDER NO. O-P-24/92 DATED 22-AUG-93 (CLAIM NO'S P-451541 TO P-451548 INCL. P-453999, P-454000, P-479503 TO P-479506 INCL. AND P-480319 TO P-480317 INCL.)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

KEY PLAN For O.B.M. Map



not to scale



2. 18034

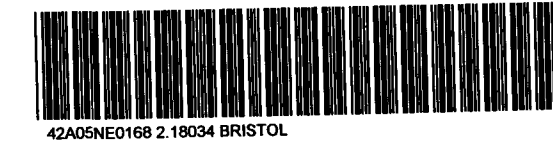


2.18034

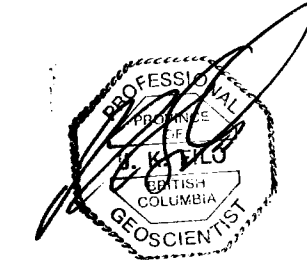
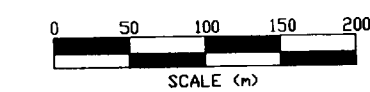


LEGEND

- - Drill Hole
- - Claim Line
- - Grid



210



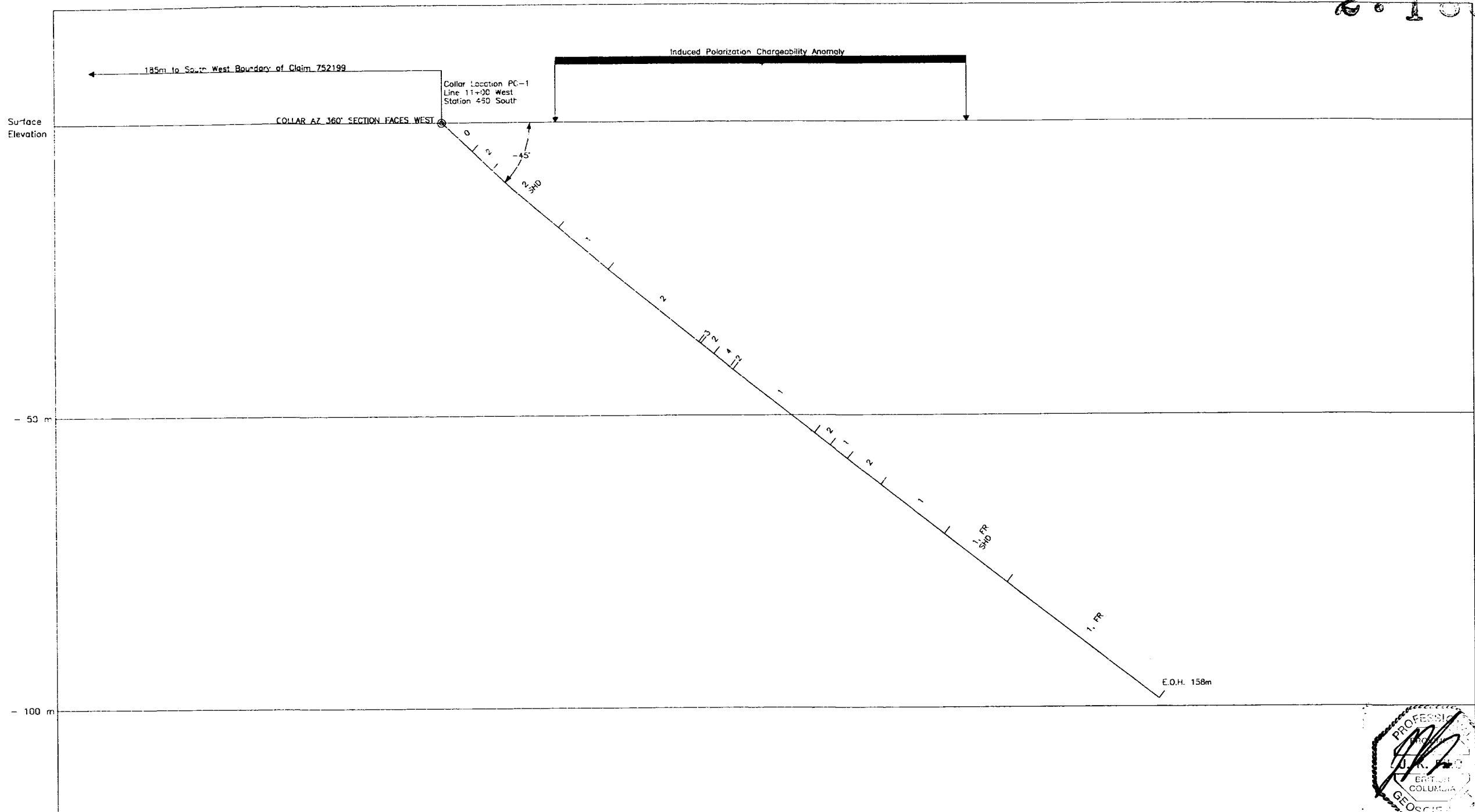
**Pelangio-Larder Mines Limited
& Copper Dome Mines Ltd.**
POIRIER JOINT VENTURE

TITLE: Grid, Claim, and Drill Hole Location Map
Fig. # 4

Adapted from Exsics Exploration Ltd. (E-266, 1997)

SCALE: 1:5000 DATE: Oct 31, 1997

2. 1 0 0 3 4
2. 1 0 0 0 1



185m to South West Boundary of Claim 752199

Collar Location PC-1
Line 11+90 West
Station 430 South

COLLAR AZ 360° SECTION FACES WEST

Induced Polarization Chargeability Anomaly

Surface
Elevation

- 50 m

- 100 m

E.O.H. 158m

- LEGEND**
- 0 - CASING
 - 1 - FELSIC VOLCANIC (DIOKITE)
 - 2 - INTERMEDIATE TO MAFIC VOLCANIC
 - 3 - QUARTZ VEIN
 - 4 - DIABASE DYKE
 - 5 - MAFIC DYKE
 - 6 - GRAPHITE
 - SHD - SHEARED
 - FR - FRAGMENTAL
- NOTE:
i) Au IN g/tonne
- █ - IP Chargeability Anomaly
 - ▬ - Magnetic Low



**Pelangio-Larder Mines Limited
& Copper Dome Mines Ltd.**
POIRIER J.V. DRILL PROGRAM

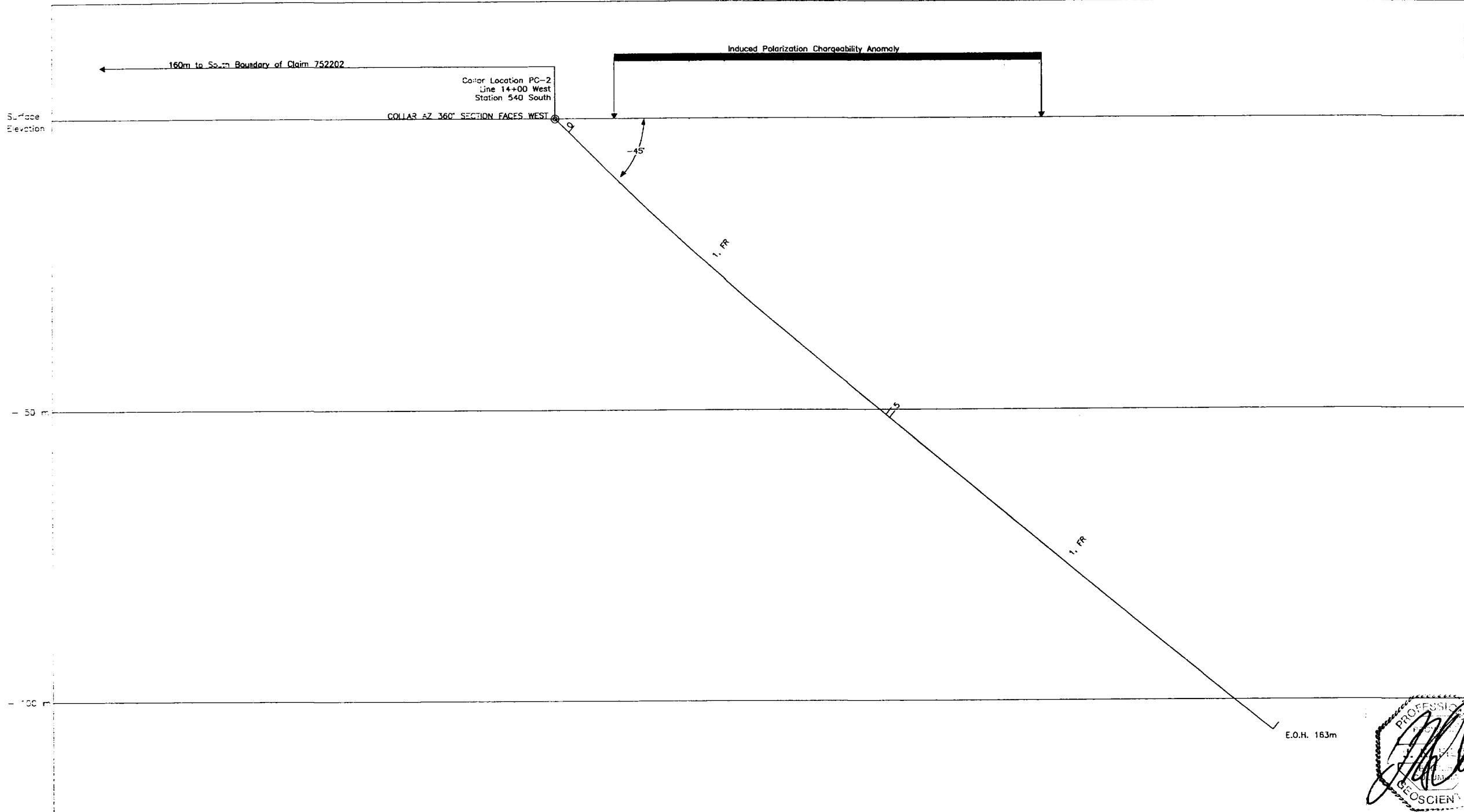
TITLE:
Drill Section
Diamond Drill Hole PC-1
Facing West

Fig. # 5

SCALE: 1:750

DATE: Oct 31, 1997



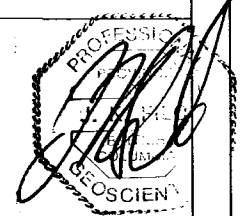


LEGEND

- 0 - CASING
- 1 - FELSIC VOLCANIC (DACITE)
- 2 - INTERMEDIATE TO MAFIC VOLCANIC
- 3 - QUARTZ VEIN
- 4 - DIABASE DYKE
- 5 - MAFIC DYKE
- 6 - GRAPHITE
- SHD - SHEARED
- FR - FRAGMENTAL

NOTE:) Au IN g/tonne

- - IP Chargeability Anomaly
- - Magnetic Low



**Pelangio-Larder Mines Limited
& Copper Dome Mines Ltd.**

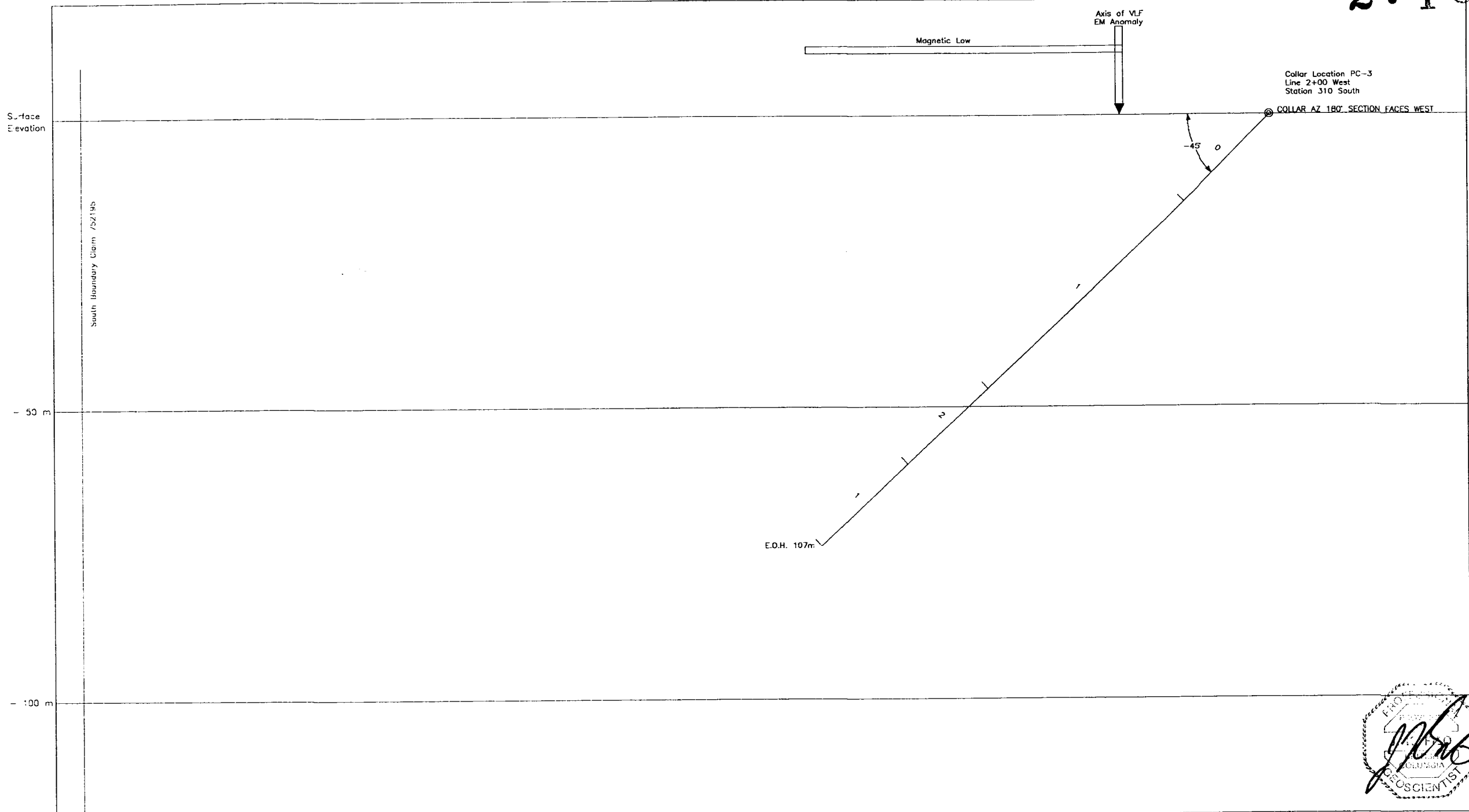
POIRIER J.V. DRILL PROGRAM

TITLE: Drill Section
Diamond Drill Hole PC-2
Facing West

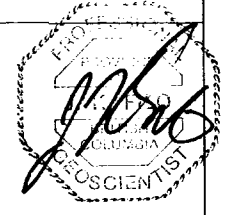
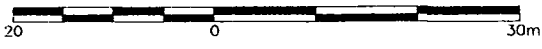
Fig. # 6

SCALE: 1:750 DATE: Oct 31, 1997





- LEGEND**
- 0 - CASING
 - 1 - FELSIC VOLCANIC (DACITE)
 - 2 - INTERMEDIATE TO MAFIC VOLCANIC
 - 3 - QUARTZ VEIN
 - 4 - DIABASE DYKE
 - 5 - MAFIC DYKE
 - 6 - GRAPHITE
 - SHD - SHEARED
 - FR - FRAGMENTAL
- NOTE:
i) Au IN g/tonne
- - IP Chargeability Anomaly
 - - Magnetic Low



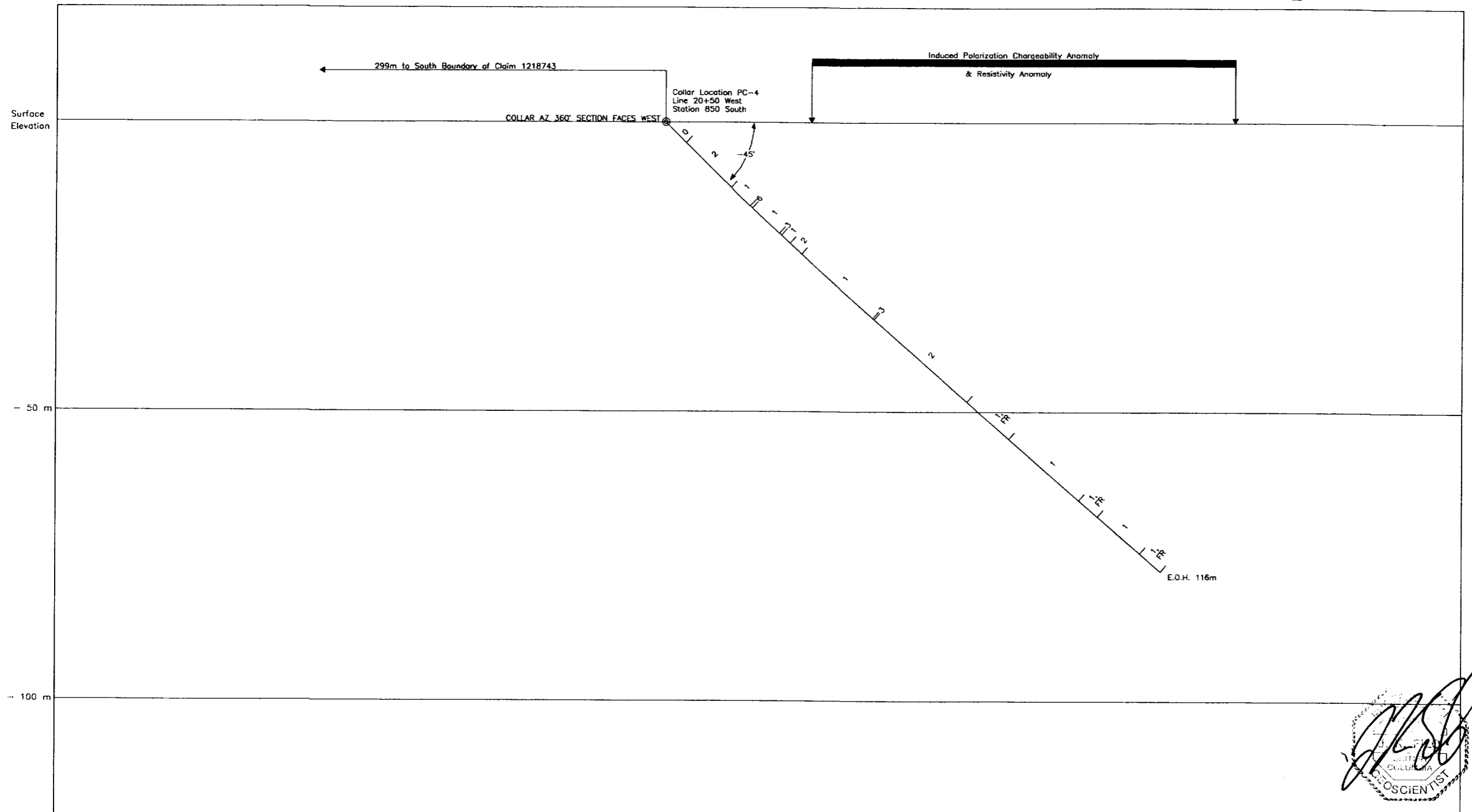
**Pelangio-Larder Mines Limited
& Copper Dome Mines Ltd.**
POIRIER J.V. DRILL PROGRAM

TITLE: Drill Section
Diamond Drill Hole PC-3
Facing West

Fig. # 7

SCALE: 1:750 DATE: Oct 31, 1997





LEGEND

- 0 - CASING
- 1 - FELSIC VOLCANIC (DACHTE)
- 2 - INTERMEDIATE TO MAFIC VOLCANIC
- 3 - QUARTZ VEIN
- 4 - DIABASE DYKE
- 5 - MAFIC DYKE
- 6 - GRAPHITE
- SHD - SHEARED
- FR - FRAGMENTAL

NOTE:
i) Au IN g/tonne

- - IP Chargeability Anomaly
- - Magnetic Low

**Pelangio-Larder Mines Limited
& Copper Dome Mines Ltd.**

POIRIER J.V. DRILL PROGRAM

TITLE: Drill Section
Diamond Drill Hole PC-4
Facing West

Fig. # 8

SCALE: 1:750 DATE: Oct 31, 1997

Surface Elevation

- 50 m

- 100 m

South Boundary of Claim 752199

Induced Polarization Chargeability Anomaly

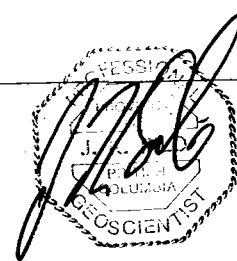
Collar Location PC-5
Line 9+00 West
Station 475 South

COLLAR AZ 180° SECTION FACES WEST

-45°

SHD

E.C.H. 128m



LEGEND

- 0 - CASING
- 1 - FELSIC VOLCANIC (DACITE)
- 2 - INTERMEDIATE TO MAFIC VOLCANIC
- 3 - QUARTZ VEIN
- 4 - DIABASE DYKE
- 5 - MAFIC DYKE
- 6 - GRAPHITE
- SHD - SHEARED
- FR - FRAGMENTAL

NOTE:

i) Au IN g/tonne

- IP Chargeability Anomaly
- Magnetic Low



Pelangio-Larder Mines Limited & Copper Dome Mines Ltd.

POIRIER J.V. DRILL PROGRAM

TITLE: Drill Section
Diamond Drill Hole PC-5
Facing West

Fig. # 9

SCALE: 1:750

DATE: Oct 31, 1997

