

# GM 38751

REPORT FOR URANIUM EXPLORATION IN THE OTISH - PAPASKWASATI AREAS

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Énergie et Ressources  
naturelles

Québec 

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC 2 PROPERTY SOUTH INDICATOR CASING LEFT  
 HOLE NO DDH 1007 TOTAL DEPTH 637 ft (193.03 m) Date Commenced APRIL 12 1981  
 LOCATION 9+00 S 3+92 W Date Completed MAY 2 1981  
 Initial Azimuth 286° INITIAL DIP -55° WEST CORE STORAGE BASE CAMP  
 LATITUDE 51° 59' 25" DEPARTURE 71° 44' W ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
9.1	51.5°	
30.3	49.5°	
60.6	50.5°	
90.9	49.5°	
121.2	50°	

HOLE NO 1007 SHEET NO 1 of 10  
 DRILL LONGYEAR 38  
 DRILLER BRADLEY BROTHERS  
 GEOLOGICAL LOG HOWARD LANTL + DAVE BUTTENHAM  
 RADIO-METRIC LOG  
 SAMPLED HOWARD LANTL + DAVE BUTTENHAM  
 ASSAYED BARRINGER MAGENTA

Depth	Graphic Log	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY																											
							Inst. No:																															
							Col.	In:	Out:																													
Colour	Rock Unit	Mica	Chlorite	Graphite	Carbon	Clay	Qz/Chert	Carbonate	Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Sphalerite	Pyrite	Chalcopyrite	Galena	U 30g	Sample Interval				U 30g %	C.P.S.	G.I.S. 4													
																			Sample Number																			
Meter		Graph																																				
0																																						
1																																						
2																																						
3																																						
4																																						
5																																						
6																																						
7																																						
8																																						
9																																						
10																																						
11																																						
12																																						
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17																																						
18																																						
19																																						
20																																						

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral  
 DATE: 05 JUL 1982  
 No G.M.: 38751

37 - 40

DRILL HOLE RECORD

PROJECT ..... PROPERTY ..... CASING LEFT .....  
 HOLE No. .... TOTAL DEPTH ..... date Commenced .....  
 LOCATION ..... date Completed .....  
 Initial Azimuth ..... INITIAL DIP ..... CORE STORAGE .....  
 LATITUDE ..... DEPARTURE ..... ELEVATION .....

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
151.5	49.0°	
181.2	48.0°	

HOLE No. 1007 SHEET No. 2 of 10  
 DRILLER .....  
 GEOLOGICAL LOG .....  
 RADIO METRIC LOG .....  
 SAMPLED .....  
 ASSAYED .....

Interval Depth	Core Colour	Rock Unit	LITHOLOGY						STRUCTURE		TEXTURE			ALTERATION		MINERALIZATION %		RADIO METRIC DATA		ASSAY		
			Graphic Log						Bedding	Schistosity	Foliation	Quartz vein	Ign. Met. Sed.	Sphalerite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	Cal. Out:	Sample Number	U3O8 %
			Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert														
20																						
1																						
2																						
3	95																					
4	80																					
5		23.3																				
6																						
7																						
8																						
9																						
10																						
1	100																					
2																						
3																						
4																						
5	95																					
6																						
7		36.6																				
8																						
9																						
40																						
Additional Data																						

pink and grey  
(alternate bands)

95

95

95

arkose and subarkose  
26.9 m = 2ndary  
Re X'ztion along  
fractures -  
- minor hematite  
- massive  
- presence of  
limonite in  
fractures.

45°

MODERATE

45°

- fault zone.  
- highly broken  
- Clay alteration  
- limonite + hematite  
- highly weathered.

SLIGHT  
SLIGHT  
SLIGHT  
SLIGHT

7951  
7952  
7953

36-40  
45-52  
33-41

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT .....	PROPERTY .....	CASING LEFT .....	HOLE SURVEY			HOLE NO 1007	SHEET NO 3 of 10
HOLE NO .....	TOTAL DEPTH .....	DATE COMMENCED .....	DEPTH	DIP	AZIMUTH	DRILL .....	DRILLER .....
LOCATION .....	DATE COMPLETED .....	CORE STORAGE .....				GEOLOGICAL LOG .....	RADIOMETRIC LOG .....
INITIAL AZIMUTH .....	INITIAL DIP .....	ELEVATION .....				SAMPLED .....	ASSAYED .....
LATITUDE .....	DEPARTURE .....						

Depth	Colour	Rock Unit	LITHOLOGY							Rock Type	STRUCTURE					TEXTURE					Alteration	MINERALIZATION %					RADIOMETRIC DATA				ASSAY				
			Graphic Log	Constituents %					Bedding		Schistosity	Foliation	Quartz vein	Fracture	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite		Chalcocopyrite	Galena	U 10g	Inst. No.	Col. In:	Col. Out:	Sample Number	U3O8 %	G.P.S. G/S 4					
				Mica	Chlorite	Graphite	Carbon	Clay																							Qz/Chert	Carbonate			
40.6	greyish buff.																																	7954	
44.2	red.																																		
45.4	greyish pink																																		
49.4	green (banded)																																		
50.3	greyish pink																																		
51.5	reddish																																		
56.1	grey.																																		
59.1																																			

Additional Data

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT ..... PROPERTY ..... CASING LEFT .....  
 HOLE NO ..... TOTAL DEPTH ..... Date Commenced .....  
 LOCATION ..... Date Completed .....  
 Initial Azimuth ..... INITIAL DIP ..... CORE STORAGE .....  
 LATITUDE ..... DEPARTURE ..... ELEVATION .....

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1007 SHEET NO 4 of 10  
 DRILLER .....  
 GEOLOGICAL LOG .....  
 RADIOMETRIC LOG .....  
 SAMPLED .....  
 ASSAYED .....

Depth	Core Unit	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY			
							Constituents %		Inst. N <sup>o</sup> :	Sample Number		U-308 %	C.P.S.	G.I.S. #
							Mica	Chlorite						
0							2	4	6	8				
1	grey	highly fractured. Subarkose - fracture filling with limonite.	45°	High										
2														
3														
4	63.9	arkose - large Quartz crystals - mottled - alteration of feldspars. mod. to highly fractured.	45°	Med-High									38-45	
5														
6	66.4	fg to mg arkose fgs. clasts in arkose matrix. highly hematized.											36-45	
7														
8	68.8	breccia zone - chloritic bands arkose - fg to mg - hematized. alteration of feldspars.		H									38-42	
9	69.3												42.55	
70														
1	70													
2														
3														
4	73.6													
5	74.4	fault zone - highly altered + breccia arkose (mg/fg) - red (hematitic) mud seam at 25.2m (1cm wide)											37-42	
6														
7														
8	77.9													
9														
80													44-50	

Additional Data

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT ..... PROPERTY ..... CASING LEFT .....  
 HOLE NO ..... TOTAL DEPTH ..... Date Commenced .....  
 LOCATION ..... Date Completed .....  
 Initial Azimuth ..... INITIAL DIP ..... CORE STORAGE .....  
 LATITUDE ..... DEPARTURE ..... ELEVATION .....

HOLE SURVEY HOLE NO 1007 SHEET NO 5 of 10  
 DEPTH DIP AZIMUTH  
 DRILLER .....  
 GEOLOGICAL LOG .....  
 RADIO-METRIC LOG .....  
 SAMPLED .....  
 ASSAYED .....

Depth	Core Unit	Colour	LITHOLOGY							Rock Type	STRUCTURE				TEXTURE										ALTERATION MINERALIZATION %					RADIO-METRIC DATA				ASSAY													
			Constituents %								Bedding	Schistosity	Foliation	Quartz vein	Apl.vein	Ign.					Met.					Sed.					Sphalerite	Pyrrh.ite	Pyrite	Chalcopyrite	Galena	U <sub>308</sub>	Inst. No.	In:	Cal. Out:	Sample No.	U <sub>308</sub> %	G1S 4	G1S 4				
			Mica	Chlorite	Graphite	Carbon	Clay	OH/Cher	Carbonate							Granite	Gneiss	Schist	Met.	Sed.	Calc. Blst.	Lutite	Argill.	Shale	Siltstone	Sandstone	Clayst.	Coal	Concretion	Alteration														Mineralization	Meter	Graph	
80.3		Green Green buff to Gray.							Sandstone - minor hematite - Arkose / Subarkose - moderate to severe fracturing of core. - core is siliceous.	48°																															40-44						
91.2		green buff to gray.							sandstone - arkose - flecks of chlorite - disseminated hematite aggregations.	43°																																					
93.0		gray - pink tinge							sandstone - severely fractured, some white clay in fractures - highly brecciated - flecks of hematite - fractures sub-parallel to core angle.	45°																																					
96.7									highly brecciated s.s. - severely fractured - gouge zones - Kspar = minor hematite alteration																																						
97.2		gray buff pink tinge																																													

Additional Data

44-50

36-40

30-40

30-40

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT .....	PROPERTY .....	CASING LEFT .....	HOLE SURVEY			HOLE No. 1007	SHEET No. 6 of 10	
HOLE No. ....	TOTAL DEPTH .....	Date Commenced .....	DEPTH	DIP	AZIMUTH	DRILL .....		
LOCATION .....		Date Completed .....				GEOLOGICAL LOG .....		
Initial Azimuth .....	INITIAL DIP .....	CORE STORAGE .....				RADIOMETRIC LOG .....		
LATITUDE .....	DEPARTURE .....	ELEVATION .....				SAMPLED .....		
						ASSAYED .....		

Depth	Core Unit	LITHOLOGY										STRUCTURE			TEXTURE								ALTERATION			MINERALIZATION %			RADIOMETRIC DATA				ASSAY								
		Graphic Log	Constituents %							Rock Type	Bedding	Schistosity	Brecciation	Faulting	Quartz vein	Igneous			Metamorphic			Sed.	Chloritization	Sulfidation	K-feldspar	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U3O8	Inst. N°:	In:	Cal. Out:	Sample Number	U3O8 %	EPS	GIS #			
			Mica	Chlorite	Graphite	Carbon	Clay	Qtz / Chert	Carbonate							Apatite	Amphibole	Muscovite	Biotite	Garnet	K-feldspar																		Calc. silic.	Pyrite	Chalcocopyrite
10.0																																									
1	black red green							highly brecciated argillite with minor dol. sand stone. very friable. - clay minerals - hematization in fractures. - intense alteration from 105.0 - 106.4				HIGHLY MODERATE																									45-53				
2																																									
3																																									
4																																									
5																																									
6																																									
7	red.							highly brecciated red arkose - minor dolomite - minor zones of clay + hematite. alteration - highly shattered				HIGHLY HIGHLY																													
8																																									
9																																									
10																																									
11																																									
12																																									
1	gray buff.							massive sandstone some banding - hematite alteration in fractures. - minor fault zone at 118.5 m. - core is highly shattered - minor limonite alteration in fracture - higher cps in hematized fractures (35-40 cps) 50°				MODERATE TO HIGH																													
2																																									
3																																									
4																																									
5																																									
6																																									
7																																									
8																																									
9																																									
10																																									

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT.....	PROPERTY.....	CASING LEFT.....	HOLE SURVEY			HOLE NO. 1007	SHEET NO. 7 of 10
HOLE NO.....	TOTAL DEPTH.....	date commenced.....	DEPTH	DIP	AZIMUTH	DRILLER.....	
LOCATION.....		date completed.....				GEOLOGICAL LOG.....	
initial azimuth.....	INITIAL DIP.....	CORE STORAGE.....				RADIOMETRIC LOG.....	
LATITUDE.....	DEPARTURE.....	ELEVATION.....				SAMPLED.....	
						ASSAYED.....	

Depth	Rock Unit	Colour	LITHOLOGY							Rock Type	STRUCTURE						TEXTURE						ALTERATION			MINERALIZATION %				RADIOMETRIC DATA				ASSAY						
			Constituents %								Bedding	Schistosity	Foliation	Faulting	Quartz vein	Ign.			Met.			Sed.	Chlorination	Sulfidation	Hydrous silicates	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 10g	Inst. No.	Cat. In:	Cat. Out:	Sample Number	U308 %	cps	G/S 4		
			Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate																															
12.0																																								
1		gray bluff.								50°																														
2																																								
3																																								
4																																								
5		red																																						
6																																								
7																																								
8																																								
9																																								
10																																								
11																																								
12																																								
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8																																								
9																																								
10																																								

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT .....	PROPERTY .....	CASING LEFT .....	HOLE SURVEY	HOLE NO. 1007	SHEET NO. 8	of 10
HOLE NO. ....	TOTAL DEPTH .....	Date commenced .....	DEPTH	DIP	AZIMUTH	DRILLER .....
LOCATION .....	INITIAL DIP .....	Date completed .....				GEOLOGICAL LOG .....
Initial Azimuth .....	INITIAL DIP .....	CORE STORAGE .....				RADIOMETRIC LOG .....
LATITUDE .....	DEPARTURE .....	ELEVATION .....				SAMPLED .....
						ASSAYED .....

Depth	Colour	Rock Unit	LITHOLOGY							STRUCTURE				TEXTURE			ALTERATION MINERALIZATION %								RADIOMETRIC DATA				ASSAY													
			Graphic Log	Constituents %					Rock Type	Banding	Schistosity	Foliation	Quartz vein	Igneous	Met.	Sed.	Chlorite	Sphalerite	Pyrite	Chalcopyrite	Galena	U308	Inst. No.	Cal. Out:	Sample Number	U308 %	As %	G15 %														
				Mica	Chlorite	Graphite	Carbon	Clay																					Qtz/Chert	Carbonate												
14 0																																										
1 2																																										
3	green + black	143.0						argillite (well laminated) - some hematite, clay + limonite	48																												36-40					
4	red	143.9						red arkose - hematitic alteration - highly fractured.																															42-45			
5																																										
6																																										
7																																										
8																																										
9																																										
10																																										
1 1	red	149.7						arkose to subark. fault contact at 80° to core - core is totally ground.		HIGH																															38-42	
2																																										
3																																										
4	greenish black	153.0						conflans gabbro - lower contact - 4" hematite seam - gabbro completely altered to chlorite and hematite. - very soft + friable																																		40-48
5																																										
6																																										
7																																										
8	green grayish pink	157.9 158.2						mixture of ss + gabbro - arkose sandstone. - highly altered + fractured with fragments of gabbro - minor hematite.		H HIGH																																
9																																										
10																																										

Additional Data



DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT .....	PROPERTY .....	CASING LEFT .....													
HOLE NO .....	TOTAL DEPTH .....	Date Commenced .....	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th>DEPTH</th> <th>DIP</th> <th>AZIMUTH</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	DEPTH	DIP	AZIMUTH									
DEPTH	DIP	AZIMUTH													
LOCATION .....		Date Completed .....	HOLE NO 1007 SHEET NO 10 of 10 DRILL .....												
Initial Azimuth .....	INITIAL DIP .....	CORE STORAGE .....	GEOLOGICAL LOG .....												
LATITUDE .....	DEPARTURE .....	ELEVATION .....	RADIO-METRIC LOG .....												
			SAMPLED .....												
			ASSAYED .....												

Depth	Graphic Log	LITHOLOGY							STRUCTURE			TEXTURE						ALTERATION MINERALIZATION %						RADIOMETRIC DATA				ASSAY							
		Constituents %							Bedding	Schistosity	Foliation	Quartz vein	Ign.			Met.			Sed.			ALTERATION MINERALIZATION %						Inst. No. In: Cal. Out:	Sample Interval	Sample Number	U308 %	ASSAY			
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate					Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Alteration	Mineralization	%												
180																																			
1																																			
2																																			
3																																			
4																																			
5																																			
6																																			
7																																			
8																																			
9																																			
190																																			
1																																			
2																																			
3																																			
4																																			
5																																			
6																																			
7																																			
8																																			
9																																			
0																																			

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2	PROPERTY SOUTH INDICATOR	CASING LEFT	HOLE SURVEY	HOLE NO 1008	SHEET NO 1	of 7
HOLE NO DDH 1003	TOTAL DEPTH 132.7 m (438 ft)	date Commenced MAY 4, 1981	DEPTH	DIP	AZIMUTH	
LOCATION 7+50 S 4+65 W	INITIAL DIP -50° W	date Completed MAY 9, 1981	12.12	47.5°		DRILL LONGYEAR 38
initial Azimuth 284°	CORE STORAGE BASE CAMP		30.3	47.5°		DRILLER BRADLEY BROTHERS
LATITUDE 51° 59' 26" N	DEPARTURE 71° 44' W	ELEVATION	60.6	46.5°		GEOLOGICAL LOG HOWARD LAHTI D. BUTTENHAM
			90.9	46.0°		RADIOMETRIC LOG
			121.2	47.0°		SAMPLED HOWARD LAHTI DAVE BUTTENHAM
						ASSAYED BARRINGER MAGENTA

Depth	Core Cuttings	Rock Unit	Colour	LITHOLOGY							STRUCTURE				TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA			ASSAY																				
				Graphic Log	Constituents %						Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	Cal.	In:	Out:	Sample Number	U3O8 %	G.P.S.															
					Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert																						Carbonates														
0																																														
1																																														
2																																														
3																																														
4																																														
5																																														
6																																														
7																																														
8																																														
9																																														
10																																														
11			reddish to greenish																																											
12																																														
13																																														
14																																														
15			white																																											
16																																														
17																																														
18																																														
19																																														
20																																														

Additional Data

Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Service du Potentiel minéral

DATE: 05 JUN 1982  
38751

No G.M.:

30-40  
30-38

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT .....	PROPERTY .....	CASING LEFT .....	HOLE SURVEY			HOLE NO 1008	SHEET NO 2 of 7	
HOLE NO .....	TOTAL DEPTH .....	Date commenced .....	DEPTH	DIP	AZIMUTH	DRILL .....		
LOCATION .....		Date completed .....	129.7	45.5		DRILLER .....		
Initial azimuth .....	INITIAL DIP .....	CORE STORAGE .....				GEOLOGICAL LOG .....		
LATITUDE .....	DEPARTURE .....	ELEVATION .....				RADIOMETRIC LOG .....		
						SAMPLED .....		
						ASSAYED .....		

Depth	Core Cuttings	Colour	LITHOLOGY						STRUCTURE										TEXTURE										ALTERATION MINERALIZATION %										RADIOMETRIC DATA								ASSAY							
			Graphic Log	Constituents %				Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Apophysis	Fracture	Fault	Ingn.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	In:	Out:	Sample Number	U3O8 %	CP%	GT%																							
				Mica	Chlorite	Graphite	Carbon																									Clay	Qtz / Chert	Carbonate																				
20.6 20.9	Green White							argillite section sugary sandstone - vuggy + friable - minor clay alteration	48°			10-20°																					30-33																					
23.6	red							- arkose - minor clay + hematite seams - some bleaching around fractures	50°			SLIGHT																				30-38																						
25.8	white							sugary sandstone.	40°																							31-37																						
26.4	pink							banded arkose - minor ss beds. - highly fractured - minor breccia zone - minor clay alt. - alteration along fractures.	50°			SLIGHT Highly (10-20°)																				30-36																						
30.0	gray to buff.							subarkose (S.S.) chlorite flecks (and) - minor hem. along seams - indur. Qtz reaction - highly fractured - beginning of fault zone	30°			HIGHLY																				33-38																						
32.4	red.							- subarkose and sandstone - some arkose.	30°																							30-40																						
39.4	reddish gray (banded)							highly weathered arkose. - highly altered +																								30-40																						

Additional Data



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT.....	PROPERTY.....	CASING LEFT.....	HOLE SURVEY			HOLE NO 1008	SHEET NO 4	of 7
HOLE NO.....	TOTAL DEPTH.....	date Commenced.....	DEPTH	DIP	AZIMUTH	DRILL.....	DRILLER.....	
LOCATION.....		date Completed.....				GEOLOGICAL LOG.....	RADIOMETRIC LOG.....	
Initial Azimuth.....	INITIAL DIP.....	CORE STORAGE.....				SAMPLED.....	ASSAYED.....	
LATITUDE.....	DEPARTURE.....	ELEVATION.....						

Depth	Rock Unit	Colour	LITHOLOGY					STRUCTURE			TEXTURE						ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY												
			Graphic Log	Mica	Chlorite	Graphite	Carbon	Clay	Qtz./Chert	Carbonate	Rock Type	Bedding	Schistosity	Faulting	Quartz vein	Apophyse	Amphibole	Pyroxene	Muscovite	Illite	Smectite	Opal	Calcite	Chalcopyrite	Galena	U 308	Alteration	Mineralization %	Inst. No.	Cal. In.	Cal. Out.	Sample Number	U 308 %	Assay			
6.0		White to pink							Sandstone (m.g.) - unconsolidated. - locally indurated. - well washed.																												
5.0	64.9	dark gray green to pink							m.g. sandstone - well banded.	35°																											
6.0	66.1	pink							m.g. sandstone.	35°																											
7.0	68.8	greenish gray							banded sandstone. - highly fractured. - moderately soft.	35°	Highly																										
7.0	72.7	red							Silicious arkose - highly fractured - beginning of fault zone to 83.6		Highly																										
7.0	75.2	reddish							arkose cong. (obs. pebbles)																												
7.0	75.8	red							Silicious arkose (as above)																												
7.0	77.9	dark green							conflans gabbro. - altered to chlorite with 10% hem. & Fe Carbonate. - minor limonite		Highly																										

Additional Data



DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT.....	PROPERTY.....	CASING LEFT.....	HOLE SURVEY			HOLE NO. 1008 SHEET NO. 6 of 7
HOLE NO.....	TOTAL DEPTH.....	Date Commenced.....	DEPTH	DIP	AZIMUTH	DRILLER.....
LOCATION.....	INITIAL DIP.....	Date Completed.....				GEOLOGICAL LOG.....
Initial Azimuth.....	INITIAL DIP.....	CORE STORAGE.....				RADIOMETRIC LOG.....
LATITUDE.....	DEPARTURE.....	ELEVATION.....				SAMPLED.....
						ASSAYED.....

Depth	Core Cuttings	Rock Unit	Graphic Log	LITHOLOGY						STRUCTURE				TEXTURE					ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY																							
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz / Chert	Carbonate	Rock Type	Bedding	Schistosity	Faulting	Quartz vein	Apophysis	Angular	Im.	Mel.	Sed.	Clay	Serpentine	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U 308	Inst. No.	Cal. In.	Cal. Out.	Meter	Graph	2	4	6	8	Sample Interval	Sample Number	U 308 %	ASSAY										
100			pink																																																
101																																																			
102																																																			
103																																																			
104																																																			
105																																																			
106																																																			
107																																																			
108																																																			
109																																																			
110																																																			
111																																																			
112																																																			
113																																																			
114																																																			
115																																																			
116																																																			
117																																																			
118																																																			
119																																																			
120																																																			

Additional Data

30 - 40

CPs  
GIS 4

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT .....	PROPERTY .....	CASING LEFT .....	HOLE SURVEY			HOLE NO. 1008	SHEET NO. 7	of 7
HOLE NO .....	TOTAL DEPTH .....	date Commenced .....	DEPTH	DIP	AZIMUTH	DRILL .....		
LOCATION .....	INITIAL DIP .....	date Completed .....				DRILLER .....		
initial Azimuth .....	CORE STORAGE .....	ELEVATION .....				GEOLOGICAL LOG .....		
LATITUDE .....	DEPARTURE .....					RADIOMETRIC LOG .....		
						SAMPLED .....		
						ASSAYED .....		

120	Recon. Line Core Log Core Interval % Core Colour	Core Cuttings	Rock Unit	Depth	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY										
					Graphic Log	Constituents %					Rock Type	Bedding	Schistosity Breciation	Faulting	Quartz vein Apophysis	Ign.			Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U <sub>308</sub>	Inst. N <sup>o</sup> :	Cal. In:	Cal. Out:	Sample Number	U <sub>308</sub> %	CPs	G/S #				
						Mica	Chlorite	Graphite	Carbon	Clay						Qtz/Chert	Carbonate	Met.															Ign.	Alteration Sphalerite Pyrrhotite Pyrite Chalcocopyrite Galena U <sub>308</sub>	Meter	2
1				120.6							highly fractured & shattered.																									
2											Arkose banded and speckled																									
3											minor slickensides - highly shattered.																									
4																																				
5				124.9							finely lam. argillite																									
6				125.5							thin arkose bands.																									
7											Arkose - red phenocrysts of Kspar																									
8											- highly shattered																									
9				127.9							banded argillite + arkose																									
10				129.4							arkose.																									
11											maroon flecks - possibly hematite																									
12											- occasional large phenocryst of Kspar																									
13				132.7																																
14				END.																																

Additional Data





**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY \_\_\_\_\_ CASING LEFT \_\_\_\_\_  
 HOLE NO 1009 TOTAL DEPTH 44.2 M? Date commenced \_\_\_\_\_  
 LOCATION \_\_\_\_\_ Date completed \_\_\_\_\_  
 initial Azimuth \_\_\_\_\_ INITIAL DIP \_\_\_\_\_ CORE STORAGE \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY

DEPTH	DIP	AZIMUTH

HOLE NO \_\_\_\_\_ SHEET No 3 of 3  
 DRILLER \_\_\_\_\_  
 GEOLOGICAL LOG \_\_\_\_\_  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth (m)	Core Colour	Rock Unit	LITHOLOGY					Rock Type	STRUCTURE			TEXTURE					Alteration	MINERALIZATION %			RADIOMETRIC DATA				Sample Number	U308 %	ASSAY						
			Graphic Log	Mica	Chlorite	Graphite	Carbon		Clay	Qtz/Cher	Carbonate	Bedding	Schistosity	Faulting	Quartz vein	Sulfide		Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite			Galena	U308	Meter	Inst. No.	Cal. In:	Graph	Out:
0																																	
1																																	
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	

Additional Data : D.D.H. TERMINATED DUE TO CASING MOVING

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC 2 PROPERTY South Indicator CASING LEFT 25'  
 HOLE NO 1010 TOTAL DEPTH 141.5 m Date Commenced 14<sup>th</sup> May  
 LOCATION L 6 top 5 500W Date completed 18<sup>th</sup> May  
 initial azimuth 287° INITIAL DIP - 55° W CORE STORAGE Camp U-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1010 SHEET NO 1 of 8  
 DRILL Longyear 35  
 DRILLER Knudsen Bros  
 GEOLOGICAL LOG H. Labik - John Del Negro  
 RADIOMETRIC LOG  
 SAMPLED H. Labik - John Del Negro  
 ASSAYED Gammeter, Macro

Depth (m)	Core Cuttings Rock Unit	LITHOLOGY						Rock Type	STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY																
		Graphic Log	Constituents %						Bedding / Ca	Schistosity	Faulting	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U 30g	Inst. No:	Col. In:	Col. Out:	Sample Number	U 30g %													
0																																							
0-7.9	OVER BURDEN																																						
7.9-9.5	PINK AND GRAY TO BLACK BANDING																																						
9.5-100	GREEN TO GRAY MINOR BANDING																																						
100-13.9	PINK AND GRAY																																						
13.9-16.4	PINK AND GRAY TO BUFF MINOR LIMONITE STAINING (YELLOW)																																						
16.4-20																																							

Additional Data

BACK GROUND 35-40  
 HIGH K ZONES  
 35-40

79.78

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY CASING LEFT HOLE SURVEY
HOLE NO 1010 TOTAL DEPTH Date Commenced Date Completed
LOCATION Date Completed CORE STORAGE
Initial Azimuth INITIAL DIP ELEVATION
LATITUDE DEPARTURE

Table with 3 columns: DEPTH, DIP, AZIMUTH. Multiple rows for survey data.

DRILLER:
GEOLOGICAL LOG:
RADIOMETRIC LOG:
SAMPLED:
ASSAYED:

Main geological log table with columns for LITHOLOGY (Graphic Log, Rock Type, Constituents), STRUCTURE (Bedding, Schistosity, etc.), TEXTURE (Ign., Met., Sed.), ALTERATION MINERALIZATION %, RADIOMETRIC DATA (Sample Number, U3O8 %), and ASSAY (G13-A, G13-B).

Additional Data

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC 2 PROPERTY \_\_\_\_\_ CASING LEFT \_\_\_\_\_  
 HOLE NO 1010 TOTAL DEPTH \_\_\_\_\_ date commenced \_\_\_\_\_  
 LOCATION \_\_\_\_\_ date completed \_\_\_\_\_  
 initial azimuth \_\_\_\_\_ INITIAL DIP \_\_\_\_\_ CORE STORAGE \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE No 1010 SHEET No 3 of 8  
 DRILLER \_\_\_\_\_  
 GEOLOGICAL LOG \_\_\_\_\_  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth (m)	Core Unit	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY	
							Constituents %		Inst. N°:	Sample Number	U308 %	G/S: A T.C. C.P.S.
							Graphic Log	Rock Type				
0	40	GRAY + PINK										
1	40.9											
2	41.5	LOST CORE										
3	42.4	SAME AS BEFORE LOST CORE	FAULT ZONE									
4	43.3											
5	43.9	SAME BUT WITH C.G. EVIDENCE OF FELSPAR. LOST CORE										
6	44.5	GRAY + PINK										
7	46.2	PINK TO RED.										
8	47.0	SAME BUT BROWN CEMENT IN FINE ZONE + MINOR CLAY. FINE MAGNETITE FINE TO MEDIUM GRAINED; FINELY LAMINATED SUB- ARK. TO ARKOSE BANDS. - 2 SET OF FRACTURES - NORMAL AND CONTIGATE TO THE BEDDING.	MINOR CHATTER ZONE									
9		GRAY TO PINK										
10												
11												
12												
13												
14												
15	53.9	PINK TO RED.	MINOR CHATTER ZONE GOURGE ZONE - SET OPPOSITE L. TO BEDDING									
16												
17												
18												
19												
20												

Additional Data \_\_\_\_\_

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY \_\_\_\_\_ CASING LEFT \_\_\_\_\_ HOLE SURVEY \_\_\_\_\_  
 HOLE NO 1010 TOTAL DEPTH \_\_\_\_\_ Date Commenced \_\_\_\_\_ HOLE NO 1010 SHEET NO 4 OF 8  
 LOCATION \_\_\_\_\_ Date Completed \_\_\_\_\_ DRILLER \_\_\_\_\_  
 Initial Azimuth \_\_\_\_\_ INITIAL DIP \_\_\_\_\_ CORE STORAGE \_\_\_\_\_ GEOLOGICAL LOG \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_ RADIOMETRIC LOG \_\_\_\_\_  
 \_\_\_\_\_ SAMPLED \_\_\_\_\_  
 \_\_\_\_\_ ASSAYED \_\_\_\_\_

DEPTH (M)	CORE CUTTINGS	COLOUR	LITHOLOGY							STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %			RADIOMETRIC DATA			ASSAY														
			Graphic Log	Constituents %					Rock Type	Bedding CA	Schistosity	Brecciation	Faulting	Quartz vein	Apatite	Ign. Met. Sed.			Chlorite	Siderite	Sulphate	Inst. No.	Cal. In:	Cal. Out:	Sample Interval	Sample Number	U308 %	G15-T.C.	C.P.S.							
				Mica	Chlorite	Graphite	Carbon	Clay								Qtz/Chert	Carbonate	Ign.												Met.	Sed.	Meter	Graph	U308 %		
0																																				
1		100	GRAY & PINK																																	
2		85																																		
3		90																																		
4		90																																		
5		90																																		
6		90																																		
7		90																																		
8		90																																		
9		85																																		
10		70	BLUE GRAY																																	
11		71.2																																		
12		71.8																																		
13		72.4																																		
14		73.6																																		
15		75.0	PINK																																	
16		77.3																																		
17		77.9																																		
18		78.5	GRAY																																	
19																																				
20																																				

Additional Data ~ 1 CM MINOR CLAY SEAMS THROUGHOUT 62.7-82.1 M

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY \_\_\_\_\_ CASING LEFT \_\_\_\_\_  
 HOLE NO 1010 TOTAL DEPTH \_\_\_\_\_ DATE COMMENCED \_\_\_\_\_  
 LOCATION \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_  
 INITIAL AZIMUTH \_\_\_\_\_ INITIAL DIP \_\_\_\_\_ CORE STORAGE \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY

DEPTH	DIP	AZIMUTH

HOLE NO 1010 SHEET NO 5 OF 8  
 DRILLER \_\_\_\_\_  
 GEOLOGICAL LOG \_\_\_\_\_  
 RADIO METRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth (m)	Rock Unit	Colour	LITHOLOGY						Rock Type	STRUCTURE		TEXTURE						ALTERATION MINERALIZATION %			RADIO METRIC DATA				ASSAY												
			Graphic Log	Constituents %						Bedding / CA	Schistosity	Foliation	Quartz vein	I.g.	Mel.	Sed.	SP	Pyrrh	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No.	Cal. In:	Out:	Sample Number	U3O8 %	G.S. %	T.C. %	C.P.S.							
				Mica	Chlorite	Graphite	Carbon	Clay																							Qtz / Chert	Carbonate					
0	GRAY																																				
80.9																																					
81.7																																					
82.4	RED W/ GRAY/RSB PEBBLES																																				
83.5	RED TO GRAY																																				
84.8	GRAY																																				
85.2	RED																																				
87.3	GREEN PINK																																				
89.1	GREEN BANDS + BRICK RED.																																				
91.0																																					
91.8																																					
92.2	RED																																				
93.2																																					
96.7	PALE GRAY TO BUFF																																				
99.2	PINK TO RED + GREEN																																				

Additional Data: SHALLOW ~25° ANGLE FRACTURES THROUGHOUT CORE

SLIGHT HIGH SLIGHT TO MOD. HIGH

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY                      CASING LEFT                       
 HOLE NO 1010 TOTAL DEPTH                      Date Commenced                       
 LOCATION                      Date Completed                       
 Initial Azimuth                      INITIAL DIP                      CORE STORAGE                       
 LATITUDE                      DEPARTURE                      ELEVATION                     

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1010 SHEET NO 6 of 8  
 DRILLER                       
 GEOLOGICAL LOG                       
 RADIO METRIC LOG                       
 SAMPLED                       
 ASSAYED                     

Depth (m)	Colour	Rock Unit	LITHOLOGY								STRUCTURE				TEXTURE						ALTERATION				MINERALIZATION %				RADIOMETRIC DATA				ASSAY							
			Constituents %								Bedding (CA)	Schistosity	Foliation	Quartz vein	Ign.			Met.			Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 30g	Inst. No:			Sample Number	U30g %	G.S.A. T.C. C.P.S.							
			Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Rock Type					Argillite	Schistosity	Foliation	Quartz vein	Granite	Met.								Sed.	Alteration	Alteration				Alteration	Alteration	Alteration	Alteration	Meter	Graph	8
100																																								
1	LT. GRAY TO BUFF																																							
2																																								
3	BRICK RED AND GREEN BANDING																																							
4																																								
5																																								
6																																								
7																																								
8																																								
9	PINK GREEN																																							
10																																								
11																																								
12																																								
13																																								
14																																								
15																																								
16																																								
17																																								
18																																								
19																																								
20																																								

Additional Data

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT *PC.2*

PROPERTY

CASING LEFT

HOLE SURVEY

HOLE NO. *1010* SHEET NO. *7* of *8*

HOLE NO. *1010*

TOTAL DEPTH

DATE COMMENCED

DEPTH	DIP	AZIMUTH

LOCATION

DATE COMPLETED

DRILLER  
GEOLOGICAL LOG  
RADIOMETRIC LOG  
SAMPLED  
ASSAYED

INITIAL AZIMUTH

INITIAL DIP

CORE STORAGE

LATITUDE

DEPARTURE

ELEVATION

Elevation	Depth (m)	Rock Unit	Core	Colour	LITHOLOGY							STRUCTURE					TEXTURE							ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY							
					Graphic Log	Constituents %					Rock Type	Bedding / Ca	Schistosity	Brecciation	Faulting	Quartz vein	Igneous					Chloritization	Sulfidation	Pyritization	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No.	Cal.	In:	Out:	Sample Number	U3O8 %	G.S.A. G.P.S.			
						Mica	Chlorite	Graphite	Carbon	Clay							Qtz / Chert	Carbonate	Mel.	Sed.	Alteration																	Mineralization %	Meter	Graph
12.0																																								
1																																								
2																																								
3																																								
4																																								
5																																								
6																																								
7																																								
8																																								
9																																								
10																																								
11																																								
12																																								
13																																								
14																																								

Additional Data



DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT P.C.2 PROPERTY South Indicator CASING LEFT 7.57m HOLE SURVEY  
 HOLE NO. 9011 TOTAL DEPTH 15.63 date commenced May 20<sup>th</sup> HOLE NO. 1011 SHEET NO. 1 of 9  
 LOCATION L10+509, 3+85W date completed May 25<sup>th</sup> DRILL Longwin 7.8  
 initial Azimuth 287° INITIAL DIP -55°W CORE STORAGE V-Lake camp DRILLER Bradley Ross  
 LATTITUDE DEPARTURE ELEVATION GEOLOGICAL LOG Howard Lohle / John Dill Negan  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

Depth (m)	Rock Unit	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY										
							Inst. N°:	U308 %	U309 %	U307 %											
		Graphic Log	Bedding (α)	Schistosity	Foliation	Fracturing	Quartz vein	Apertite	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galenite	U3O8	Meter	Graph	Sample Number	U308 %	U309 %	U307 %	
0																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

DATE: 05 JUN 1982  
 No. G.M.: 38751

**DRILL HOLE RECORD**

PROJECT <i>PC 2</i>	PROPERTY	CASING LEFT	HOLE SURVEY			HOLE NO	SHEET No	<i>2 of 3</i>	
HOLE NO <i>1011</i>	TOTAL DEPTH	Date Commenced	DEPTH	DIP	AZIMUTH	DRILL			
LOCATION		Date Completed				DRILLER			
Initial Azimuth	INITIAL DIP	CORE STORAGE				GEOLOGICAL LOG			
LATITUDE	DEPARTURE	ELEVATION				RADIOMETRIC LOG			
						SAMPLED			
						ASSAYED			

Depth (m)	Rock Unit	Colour	Core Cuttings	LITHOLOGY					STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %			RADIOMETRIC DATA				ASSAY						
				Graphic Log	Constituents %					Bedding/Ly	Schistosity/Foliation	Faulting	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U <sub>3O8</sub>	Inst. No:			Sample Number	U <sub>3O8</sub> %	
					Mica	Chlorite	Graphite	Carbon	Clay														Oz/Chert	Carbonate	Rock Type			Sample Interval
20.4	RED TO DK. GREEN																											
20.4	GRAY TO LIGHT GRAY																											
23.9	MED. GREEN																											
24.4	GREEN - GRAY																											
26.8	PINK WITH BLACK BANDS																											
30.0	BUFF TO GRAY + PINK BANDS																											
30.4	MED. GREEN																											
33.5	GRAY TO PINK																											
34.5	PINK TO DARK GRAY BANDED																											
37.0	GRAY TO PINK WITH BLACK BANDS																											
38.2	GRAY WITH PINK TINGE MINOR BLACK BANDING																											

Additional Data

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY CASING LEFT HOLE SURVEY HOLE NO. 1011 SHEET NO. 3 of 8  
 HOLE NO. 1011 TOTAL DEPTH                      Date Commenced                       
 LOCATION                      Date Completed                       
 initial Azimuth                      INITIAL DIP                      CORE STORAGE                       
 LATITUDE                      DEPARTURE                      ELEVATION                     

DEPTH	DIP	AZIMUTH

HOLE NO. 1011 SHEET NO. 3 of 8  
 DRILLER                       
 GEOLOGICAL LOG                       
 RADIOMETRIC LOG                       
 SAMPLED                       
 ASSAYED                     

Depth (m)	Core Unit	Lithology	Structure	Texture	Alteration	Mineralization %	Radiometric Data				Assay	
							Inst. N <sup>o</sup> :		Sample Number	U308 %		G.P.S.
							Cal. In:	Cal. Out:				
0-1		SAME GRAY WITH PINK TINGE.										
1-2		PALE GREEN - LAR. BARS PINKISH GRAY WITH GREEN + BLACK BANDS										35-45
2-3	42.4											
3-4	43.0											45-55
4-5												35-45
5-6	46.1											45-55
6-7	47.6											35-45
7-8												45-53
8-9												
9-10	51.2											35-45
10-11												
11-12												45-55
12-13												35-45
13-14												45-55
14-15	56.4											
15-16	57.0											50-60
16-17												
17-18	58.9											45-55
18-19												
19-20												35-50

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <u>PC 2</u>	PROPERTY	CASING LEFT	HOLE SURVEY			HOLE NO. <u>1011</u> SHEET NO. <u>4</u> OF <u>8</u>
HOLE NO. <u>1011</u>	TOTAL DEPTH <u>153.6 m</u>	Date Commenced	DEPTH	DIP	AZIMUTH	DRILLER
LOCATION		Date Completed				GEOLOGICAL LOG
Initial Azimuth	INITIAL DIP	CORE STORAGE				RADIOMETRIC LOG
LATITUDE	DEPARTURE	ELEVATION				SAMPLED
						ASSAYED

Depth (m)	Core Recovery %	Core Colour	LITHOLOGY							STRUCTURE							TEXTURE							ALTERATION MINERALIZATION %							RADIOMETRIC DATA				ASSAY			
			Graphic Log	Constituents %						Rock Type	Bedding Ca	Schistosity	Fracturation	Folding	Quartz vein	Met.							Spinelite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 308	Inst. No:	In:	Cal. Out:	Sample Number	U3O8 %	GSS-4 T.C. C.P.S.				
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz./Chert							Carbonate	Ign.	Met.	Sed.	Alteration	Mineralization %																	
				Meter	2	4	6	8	Graph							Sample Interval																						
0		LT. PINK TO DARK PINK																																				
1	70	GRAY																																35-50				
2	75	DARK RED																																35-50				
3		RED																																35-50				
4	85	RED																																35-50				
5		GRAY-GREEN TO PINK																																35-45				
6	95																																	40-50				
7																																			35-45			
8	80																																		40-50			
9																																			40-50			
10	85-90																																		40-50			
11		PINK																																	40-50			
12	77.9																																					

Additional Data

# DRILL HOLE RECORD

PROJECT PC 2 PROPERTY                      CASING LEFT                       
 HOLE NO 1011 TOTAL DEPTH 153.6 m Date Commenced                       
 LOCATION                      Date Completed                       
 Initial Azimuth                      INITIAL DIP                      CORE STORAGE                       
 LATITUDE                      DEPARTURE                      ELEVATION                     

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1011 SHEET NO 5 OF 8  
 DRILL                       
 DRILLER                       
 GEOLOGICAL LOG                       
 RADIO METRIC LOG                       
 SAMPLED                       
 ASSAYED                     

Depth (m)	LITHOLOGY						Rock Type	STRUCTURE				TEXTURE								ALTERATION				MINERALIZATION %				RADIO METRIC DATA				ASSAY	
	Graphic Log	Constituents %						Bedding /ca	Schistosity /ca	Brecciation /ca	Faulting /ca	Quartz vein /ca	Ign.				Met.				Sed.	Alteration				Mineralization %				Radiometric Data		Sample Number	U308 %
		Mica	Chlorite	Graphite	Carbon	Clay							Qtz/Chert	Carbonate	Amphibole	Pyrite	Chalcopyrite	Galena	U308	Siliceous		Calcite	Other	Clay	Chlorite	Pyrite	Chalcopyrite	Galena	U308	Inst. N°:	Cal. In:		
0	5.3	PINK																															
1	5.3	PINK TO LIGHT GRAY BUFF WITH DARK RED TO BLACK BANDS.						48°																									
2	81.7																																
3	81.7																																
4	10																																
5	70																																
6	70																																
7	70																																
8	70																																
9	70																																
10	70																																
1	70																																
2	91.5	RED, BUFF TO LIGHT GRAY																															
3	92.4	DARK RED																															
4	92.4	TRACE YELLOW BLACK BLOTCHES																															
5	95.4																																
6	96.1	LT. GRAY BUFF DARK RED																															
7	97.1	PALE RED																															
8	97.4	RED.																															
9	99.4	GRAY WITH																															
100	99.4																																

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY CASING LEFT  
 HOLE NO 1011 TOTAL DEPTH 153.6M Date Commenced \_\_\_\_\_  
 LOCATION \_\_\_\_\_ Date Completed \_\_\_\_\_  
 Initial Azimuth \_\_\_\_\_ INITIAL DIP \_\_\_\_\_ CORE STORAGE \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1011 SHEET NO 6 of 8  
 DRILLER \_\_\_\_\_  
 GEOLOGICAL LOG \_\_\_\_\_  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth (m)	Rock Unit	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %				RADIOMETRIC DATA				ASSAY			
						Constituents %				Inst. No:				Sample Number	U308 %	Gravimetric	Chemical
						Mica	Chlorite	Graphite	Carbon	Meter	Graph						
100		GRAY WITH PINK DUE TO K-SPAR													35-45		
2															40-50		
3															45-55		
4	103.9	LIGHT GREEN TO GRAY													45-55		
5	105.9	BRICK RED WITH BLACK BANDS													45-55		
6	107.9	GRAY + RED WITH MINOR GREEN													45-55		
7	110.5	PINK + MEDIUM GREEN													45-55		
8	112.1	DARK TO MEDIUM RED													35-45		
9	116.1	PINK + MEDIUM GREEN													45-55		
10	117.1	GRAY TO BUFF													45-55		

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC 2 PROPERTY  
 HOLE NO 1011 TOTAL DEPTH 153.6m  
 LOCATION  
 initial Azimuth INITIAL DIP  
 LATITUDE DEPARTURE

CASING LEFT  
 date Commenced  
 date Completed  
 CORE STORAGE  
 ELEVATION

HOLE SURVEY

DEPTH	DIP	AZIMUTH

HOLE NO 1011 SHEET No 7 of 8  
 DRILLER  
 GEOLOGICAL LOG  
 RADIO METRIC LOG  
 SAMPLED  
 ASSAYED

Depth (m)	Rock Unit	Colour	LITHOLOGY					STRUCTURE				TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA			ASSAY			
			Graphic Log	Constituents %				Rock Type	Bedding / Schistosity	Brecciation	Faulting	Quartz vein	Ign. Met. Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U 10g	Inst. No:			Sample Interval	Sample Number	U308 %	G.B.S.-4 T.C.S.
				Mica	Chlorite	Graphite	Carbon													Clay	Qtz/Chert	Carbonate				
120.6		GRAY TO BLUE PALE-MED GREEN																								
121.2		PALE TO DARK GREEN-GRAY																								
122.4		DARK RED GRAY WITH BLACK BANDS																								40-50
124.1		LIGHT GRAY-BLUE																								
124.3		MEDIUM GREEN TO GRAY WITH BLACK BANDS																								40-50
131.1		GRAYISH PINK																								
131.8		MOTTLED DARK RED TO RED BLACK BANDING																								35-45
135.8		LIGHT GRAY																								40-50
137.5		RED																								40-50

Additional Data



**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY SOUTH INDICATOR CASING LEFT  
HOLE NO 1012 TOTAL DEPTH 129.4 (M) Date Commenced 4/6/81  
LOCATION L 9+00 S, 4+85 W Date Completed 8/6/81  
Initial Azimuth 286° INITIAL DIP -55°W CORE STORAGE U- LAKE  
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
13.3	52°	286°
32.4	52°	286°
46.5	52°	286°
60.6	53°	286°
90.9	53°	286°

HOLE NO 1012 SHEET NO 1 of 7  
DRILL LONAYEAR 38  
DRILLER BRADLEY BROS  
GEOLOGICAL LOG HOWARD LANTU  
RADIOMETRIC LOG  
SAMPLED  
ASSAYED

Depth (m)	Colour	Core Cuttings	Rock Unit	LITHOLOGY						STRUCTURE				TEXTURE				ALTERATION				MINERALIZATION %				RADIOMETRIC DATA				ASSAY												
				Graphic Log						Bedding / C.A.	Schistosity	Foliation	Faulting	Quartz vein	Ign.		Met.		Sed.	Chloritization	Sulfidation	Limonitization	Pyritization	Sphalerite	Pyrrhotite	Pyrrite	Chalcocopyrite	Galena	U 308	Inst. No.	Sample Number	U308 %	ASSAY									
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert						Carbonate	Rock Type	Iron	Manganese																Copper	Zinc	Lead	Silver	Gold	U308	Meter	Graph	In:
0																																										
1																																										
2																																										
3																																										
4																																										
5																																										
6																																										
7																																										
8																																										
9																																										
10																																										
11																																										
12																																										
13																																										
13.3																																										
13.6																																										
14																																										
15																																										
16																																										
17																																										
18																																										
19																																										
20																																										

Additional Data

Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Service du Potentiel minéral  
DATE: 05 JUL 1982  
No G.M.: 38751

FLAKY  
FAIRLY SHATTERED  
HIGHLY SHATTERED

MINOR

35-45

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY SOUTH INDICATOR CASING LEFT HOLE SURVEY  
 HOLE NO 1012 TOTAL DEPTH 129.4 (M) Date Commenced 4/6/81 HOLE NO 1012 SHEET NO 2 of 7  
 LOCATION L 9+00 S 4+25 W Date Completed 8/6/81  
 Initial Azimuth 286° INITIAL DIP -55° W CORE STORAGE U-LAKE  
 LATITUDE DEPARTURE ELEVATION

DEPTH	DIP	AZIMUTH

DRILL LONGYEAR 30  
 DRILLER BRADLEY BROS  
 GEOLOGICAL LOG HOWARD LAHTI  
 RADIO METRIC LOG  
 SAMPLED  
 ASSAYED

Depth (m)	Rock Unit	LITHOLOGY						STRUCTURE					TEXTURE			ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY													
		Graphic Log	Constituents %				Rock Type	Bedding $\angle$	Schistosity	Brecciation	Faulting	Quartz vein			Igneous	Met.	Sed.	Oxidation	Sulphidation	Silicification	Carbonation	Pyritization	Sphaleritization	Pyrrhotitization	Pyrite	Chalcocopyrite	Galena	U 30g	Inst. N <sup>o</sup>	Col. In:	Sample Number	U30g %	Sample Weight				
			Mica	Chlorite	Graphite	Carbon						Clay	Qtz/Chert	Carbonate																				Bedding	Schistosity	Brecciation	Faulting
20																																					
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
30																																					
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
40																																					

Additional Data

SHALTY ZONE

MASSIVE MODERATE LOW ANGLE (25-30) AND CONJUGATE FAULTS

MINOR

MINOR-MODERATE

HIGHLY

35-45

35-45

Meter 2 4 6 8

Graph

8

Sample Number

U30g %

ASSAY

B.G.S. + T.O.S.



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY SOUTH INDICATOR CASING LEFT  
 HOLE NO. 1012 TOTAL DEPTH 129.4 (M) Date Commenced 4/6/81  
 LOCATION L 9+00 S 4+85 W Date Completed 8/6/81  
 Initial Azimuth 286° INITIAL DIP -55° W CORE STORAGE U-LAKE  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO. 1012 SHEET NO. 4 of 7  
 DRILL LONGYEAR 38  
 DRILLER BRADLEY BROS.  
 GEOLOGICAL LOG HOWARD LAHTI  
 RADIOMETRIC LOG  
 SAMPLED

Depth (m)	Rock Unit	LITHOLOGY						Rock Type	STRUCTURE			TEXTURE													ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY							
		Graphic Log	Constituents %						Bedding/C.A.	Schistosity	Faulting	Quartz vein	Applite	Schistosity	Ign.	Met.	Sed.	Sphalerite	Pyrrolite	Pyrite	Chalcopyrite	Galena	U308	Inst. No.	Cal.	In:	Out:	Sample Interval	Sample Number	U308 %	C.P.S.									
0																																								
1		90																																						
2																																								
3																																								
4		100																																						
5																																								
6																																								
7		95																																						
8																																								
9																																								
70		95																																						
1																																								
2																																								
3																																								
4		100																																						
5																																								
6																																								
7																																								
8																																								
9		100																																						
80																																								

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <u>PC-2</u>	PROPERTY <u>SOUTH INDICATOR</u>	CASING LEFT	HOLE SURVEY		HOLE NO <u>1012</u>	SHEET NO <u>5</u>	of <u>7</u>
HOLE NO <u>1012</u>	TOTAL DEPTH <u>129.4(m)</u>	Date Commenced <u>4/6/81</u>	DEPTH	DIP	AZIMUTH	DRILL <u>LONGYEAR 38</u>	
LOCATION <u>L 9+00 S 4+85 W.</u>		Date Completed <u>8/6/81</u>				DRILLER <u>BRADLEY Bros.</u>	
Initial Azimuth <u>286°</u>	INITIAL DIP <u>-55° W.</u>	CORE STORAGE <u>U-LAKE</u>				GEOLOGICAL LOG <u>HOWARD LAMT</u>	
LATITUDE	DEPARTURE	ELEVATION				RADIOMETRIC LOG	
						SAMPLED	
						ASSAYED	

Depth (m)	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY						
						Graphic Log	Constituents % Mica Chlorite Graphite Carbon Clay Qtz/Chert Carbonate	Rock Type	Bedding / CA Schistosity Brecciation Faulting Quartz vein	Ign. Met. Sed.	Sphalerite Pyrrhotite Pyrite Chalcocopyrite Galena U3O8	Inst. No: Cal. In: Out:	Sample Number	U308 %	ASSAY	
																Meter
80																
1	BRICK RED - DARK RED - BLACK + BUFF LIGHT GREEN FINELY LAMINATED			50°											35-45	
2																
3																
4																
5					45°											
6																
7																
8																
9	88.9															
10					40°											
1	Slightly banded light pink - buff due to leaching															35-45
2																
3						92.7										
4	BUFF					93.0										
5																
6					45°											35-45
7																
8																
9																
100	99.2				45°											

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <u>PC-2</u>	PROPERTY <u>SOUTH INDICATOR</u>	CASING LEFT	HOLE SURVEY	HOLE NO <u>1012</u>	SHEET NO <u>6</u> of <u>7</u>
HOLE NO <u>1012</u>	TOTAL DEPTH <u>129.4 (m)</u>	DATE COMMENCED <u>4/6/81</u>	DEPTH	DIP	AZIMUTH
LOCATION <u>L 9+00 S. 4+85 W</u>	DATE COMPLETED <u>8/6/81</u>				
INITIAL AZIMUTH <u>286°</u>	INITIAL DIP <u>-55° W</u>	CORE STORAGE <u>U-LAKE</u>	DRILL <u>LONGVEAR 38</u>		
LATITUDE	DEPARTURE	ELEVATION	DRILLER <u>GRADLEY Bros.</u>		
			GEOLOGICAL LOG <u>HOWARD LANT1</u>		
			RADIOMETRIC LOG		
			SAMPLED		
			ASSAYED		

Depth (m)	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY						
						Constituents %		Rock Type		MINERALIZATION %				ASSAY		
						Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Meter	Graph	Sample Number	U308 %
90-95	PINK TO BRICK RED, BLACK BANDS & FLECKS	45	CONGLOMERATIC BANDED ARKOSE, SUBARKOSE GRADING OUT. MINOR-MODERATE BLACK HEMATITE BANDS & FLECKS, ~1.5cm QUARTZ PEBBLES IN CONGLOMERITIC SANDS.	MOD.	M.D.	50						35-45				
95-100	BLACK-LIGHT GREEN BANDS	50	DOLOMITIC-ARBITIC BANDS, IMPURE ARKOSE MOD. TO HIGHLY SPECKLED WITH HEMATITE FLECKS (WEATHERED), MINOR CLAY SEAMS AND MINOR MANGANESE OXIDES APPARENT.	MOD.	H.H.	50						40-50				
100-105	BRICK RED TO DARK RED	50	IMPURE ARKOSE MOD. TO HIGHLY SPECKLED WITH HEMATITE FLECKS (WEATHERED), MINOR CLAY SEAMS AND MINOR MANGANESE OXIDES APPARENT. 180° CHANGE IN DIP AT 110.7 (M)	H.H.	M.H.	50						35-45				
108.2	BLACK-LIGHT GREEN BANDS															
108.7	BRICK RED TO DARK RED															
112.1	BUFF															
112.9	FALE GREEN & PINK															
114.2	BRICK RED BANDED															
118.8	LIGHT GREY TO BUFF															
119.7																

Additional Data

DRILL HOLE RECORD

PROJECT PC-2 PROPERTY SOUTH INDICATOR CASING LEFT HOLE SURVEY HOLE NO 1012 SHEET No 7 of 7
DRILL LONGYEAR 38
DRILLER GRADLEY BROS.
GEOLOGICAL LOG HOWARD LANTU
RADIOMETRIC LOG
SAMPLED
ASSAYED

Table with columns: LITHOLOGY (Graphic Log, Constituents %), STRUCTURE (Bedding, Schistosity, etc.), TEXTURE (Ign., Met., Sed.), ALTERATION MINERALIZATION %, RADIOMETRIC DATA, ASSAY. Includes depth (120-130m) and lithological descriptions like 'IMPURE ARKOSE WITH SOME ARGILLITE BED FRAGMENTS...'.

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 21m  
 HOLE NO 1013 TOTAL DEPTH 80.3m Date Commenced 13/6/81  
 LOCATION 270130N, 6125W Date Completed 15/6/81  
 Initial Azimuth 106° INITIAL DIP -50°E CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
9.9	47°	106
32.4	47°	"
60.6	46°	"
77.9	-	-

HOLE NO 1013 SHEET NO 1 of 4  
 DRILL Longyear 38  
 DRILLER Bradley Bras  
 GEOLOGICAL LOG Howard Habte  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core	Cuttings	Rock Unit	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION		MINERALIZATION %		RADIOMETRIC DATA			ASSAY																									
				Graphic Log	Constituents %					Bedding $\alpha$	Schistosity	Foliation	Faulting $\alpha$	Quartz vein	Ign.	Met.	Sed.	Chlorite	Siderite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U108	Inst. No:	Cal. In:	Cal. Out:	Sample Number	U308 %	Assay																		
					Mica	Chlorite	Graphite	Carbon	Clay																						Qtz	Chert	Carbonate	Rock Type	Meter	2	Graph	4	6	8								
0																																																
1																																																
2																																																
3																																																
4																																																
5																																																
6																																																
7																																																
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17																																																
18																																																
19																																																
20																																																

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service de Potentiel Minéral

DATE: 05 JUL 1981  
 No. G.M.: 38751

20.3m

60-80 cps. ↑

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT -9.1 metres  
 HOLE NO 1013 TOTAL DEPTH 80.3m Date Commenced 13/6/81  
 LOCATION L 00+80 N, L+75 W Date Completed 15/6/81  
 Initial Azimuth \_\_\_\_\_ INITIAL DIP -50 E CORE STORAGE D-lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

DEPTH	DIP	AZIMUTH
9.9	47°	106
22.4	47°	"
60.6	46°	"

HOLE NO 1013 SHEET NO 2 of 4  
 DRILL Longman 35  
 DRILLER Bradley Eves  
 GEOLOGICAL LOG Howard Lahti  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Coring Interval	Core Recovery %	Core Cuts	Rock Unit	Depth	LITHOLOGY								STRUCTURE			TEXTURE						ALTERATION		MINERALIZATION %					RADIO-METRIC DATA				ASSAY												
					Graphic Log	Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Sulfide	Silicates	Bedding	Schistosity	Bressolite	Fouring	Quartz vein	Schistosity	Met.	Sed.	Chlorination	Sulfidation	Iron	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U3O8	Inst. Nr.	Col. In.	Col. Out.	Meter	Graph	Sample Number	U3O8 %	TC	UP (G-5)						
0-1	pink																																												
1-2	Red			23.03																																									
2-3	dk greenish Maroon																																												
3-4	buff-pink to brown																																												
4-5	white buff to pinkish cast																																												
5-6	not as pink as above																																												
6-7	grey to white blotchy																																												
7-8	reddish cast																																												

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 9.1 M.  
 HOLE NO 1013 TOTAL DEPTH 80.3 date commenced \_\_\_\_\_  
 LOCATION 6.20130N, lat. 2.5W date completed \_\_\_\_\_  
 initial azimuth 106° INITIAL DIP -50 E CORE STORAGE D.-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
9.9	47'	106
30.4	47'	"
60.6	46'	"

HOLE NO 1013 SHEET NO 3 of 4  
 DRILL Longyear 38  
 DRILLER Bradley Bros  
 GEOLOGICAL LOG Howard Kault  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth M	Core Cuttings	Rock Unit	Graphic Log	LITHOLOGY						Rock Type	STRUCTURE			TEXTURE			ALTERATION			MINERALIZATION %			RADIOMETRIC DATA			ASSAY											
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert		Carbonate	Graphite	Bedding	Schistosity	Faulting	Quartz vein	Argillitic	Phanitic	Ign.	Met.	Sed.	Chloritization	Serpentinization	Silicification	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U-Th	Inst. N <sup>2</sup>	Col. In.	Col. Out.	Sample Number	U308 %	Radioactive TC (G15-5)	
0																																					
1	red cut																																				
2																																					
3	gray to yellow buff																																				
4																																					
5	white																																				
6	gray to white blocky																																				
7																																					
8																																					
9	alternating pink-white to gray-white																																				
10		Peribonca																																			
11																																					
12																																					
13																																					
14																																					
15																																					
16																																					
17																																					
18																																					
19	grey blocky																																				
20																																					

Additional Data

55-65 cps  
 ↓  
 50-60 cps  
 ↓

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2	PROPERTY Central Indicator	CASING LEFT 911M	HOLE SURVEY	HOLE NO 1013	SHEET NO 7 of 4
HOLE NO 1013	TOTAL DEPTH 80.3	date commenced 15/6/81	DEPTH 9.9	DIP 47°	AZIMUTH 106°
LOCATION L-20+30N, 6+25W		date completed 15/6/81	30.4	47°	"
initial azimuth 106°	INITIAL DIP - 50E	CORE STORAGE U lake	60.6	46°	"
LATITUDE	DEPARTURE	ELEVATION	DRILL Lang year 78 DRILLER Bradley Bros. GEOLOGICAL LOG Howard Halls RADIOMETRIC LOG SAMPLED ASSAYED		

Depth	Graphic Log	LITHOLOGY											STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %								RADIOMETRIC DATA				ASSAY		
		Constituents %						Rock Type	Bedding	Schistosity	Foliation / Fract	Quartz vein	Argillite	Sph. calc	Siliceous	Cherty	Gypsiferous	Siderite	Pyrite	Chalcopyrite	Galena	U 308	Inst. N°	Cal. In:	Cal. Out:	Sample Number	U 308 %	Assay					
		Mica	Chlorite	Graphite	Carbon	Clay	Ox / Chert																						Carbonate	Ign.	Met.	Sed.	
60																																	
1	grey blotchy						dol breccia corroded frags. Minor pink arg. or algal mat frags.																									50-60 cps	
2																																	
3																																	
4	white						gypsiferous dol breccia highly altered.																										
5																																	
6							well banded sandstone of intermediate age lower eolian sand + water transported sand																										
7	pinkish brown parts c light buff spots gives mottled appearance						Indicator subarkose to sandstone silicified. Minor bands of grey-white ortho quartzite. Minor green mylonite zones ± Mn dendrites.																										
8																																	
9																																	
20																																	
1																																	
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	

Additional Data

980  
F2

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 10.6 m HOLE SURVEY HOLE NO 1014 SHEET NO 1 of 6  
 HOLE NO 1014 TOTAL DEPTH 108.2 M Date Commenced 18/6/81 DRILL Longyear 38  
 LOCATION L 211 50 N, 74 00 W Date Completed 20/6/81 DRILLER Bradley Ross  
 Initial Azimuth 106° INITIAL DIP 50° E CORE STORAGE U-Lake GEOLOGICAL LOG Howard Lakota  
 LATITUDE DEPARTURE ELEVATION 586 M RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

DEPTH	DIP	AZIMUTH
9.1	48	106°
30.3	48	✓
59.7	48	✓
90.9	47	✓
108.2	47	✓

Depth / M	Rock Unit	Colour	LITHOLOGY						Rock Type	STRUCTURE				TEXTURE				ALTERATION MINERALIZATION %				RADIOMETRIC DATA			ASSAY	
			Constituents %							Bedding CA	Schistosity	Brecciation	Faulting	Quartz vein	Ign.		Met.		Sed.		Alteration	Mineralization %	Inst. No.	Sample Number	U308 %	Assay
			Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert							Carbonate	Ign.	Met.	Sed.	Alteration	Mineralization %						
0-10	OVER BURDEN																									
10.6	Peribonca	dk Maroon						Massive purple Argillite	40°																	80-90 cps
16.4	Peribonca	white dolin Maroon ground mass						coarse dol-ground carnichal derived from soil brecciation Maroon arg. + hematite matrix minor specularite at 16.1 m. old regolith some solution cavities at 14.8 m.																		60-75 cps
16.7	Peribonca	gray with to yellow white						More massive Altered dol. Minor blood red hem. and/or jasper. Carbonate replaced by clay + silica lateritic weathering																		

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du potentiel minéral

DATE: 13 JUN 1982  
 No G.M.: 38751

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT P.C-2 PROPERTY Control Indicator CASING LEFT 10.6 m HOLE SURVEY HOLE NO 1014 SHEET NO 2 of 6
HOLE NO 1014 TOTAL DEPTH 108.2 m Date commenced 18/6/81 DEPTH DIP AZIMUTH
LOCATION L 21450N, 7+00W date completed 20/6/81 DRILL Longyear P 38
INITIAL AZIMUTH 106° INITIAL DIP -50E CORE STORAGE U-Lake DRILLER Bradley Bros.
LATITUDE DEPARTURE ELEVATION RADIOMETRIC LOG
SAMPLED
ASSAYED

Table with columns: LITHOLOGY (Constituents %: Mica, Chlorite, Graphite, Carbon, Clay, Qtz./Chert, Carbonate, etc.), STRUCTURE (Bedding, Schistosity, etc.), TEXTURE (Ign., Met., Sed.), ALTERATION, MINERALIZATION %, RADIOMETRIC DATA (Inst. No., Col. In., Col. Out.), ASSAY (U-308 %, Radioactive TC (G.S.S.)), and Rock Type. Rows show depth intervals from 0 to 40 meters with lithological descriptions and assay results.

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 10.6 m  
 HOLE NO. 1214 TOTAL DEPTH 109.2 m Date Commenced 18/6/81  
 LOCATION L 21100N, 7100W Date Completed 20/6/81  
 Initial Azimuth 106° INITIAL DIP -50E CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO. 1214 SHEET NO. 3 of 6  
 DRILL: Lossy, car 38  
 DRILLER: Bradley, Russ  
 GEOLOGICAL LOG: Howard, Lehtis  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Cuttings	Rock Unit	LITHOLOGY							STRUCTURE							TEXTURE							ALTERATION MINERALIZATION %							RADIOMETRIC DATA			ASSAY						
			Graphic Log	Constituents %							Bedding	Schistosity	Folding	Quartz Vein	Sphene Vein	Sphene	Zircon	Uranium	Thorium	Iron	Calcium	Magnesium	Sulfur	Phosphorus	Potassium	Sodium	Chlorine	Nickel	Cobalt	Manganese	Zinc	Copper	Lead	Silver	Goldschmidt	U308 %	Sample Number	U308 %	Total Radioactivity (G11-5)	
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate																														Ign.
0																																								
1																																								
2																																								
3																																								
4																																								
5																																								
6																																								
7																																								
8																																								
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37																																								
38																																								
39																																								
40																																								

Additional Data Speculation: Drill hole cut through a carbonate - evaporite section. This section was exposed to lateritic type weathering causing the replacement of Inst-dol by kaolin and silica. It is possible the section represents a soil regolith exposed in local areas by erosion. The particular nature of alteration textures etc diff from Athabasca basin.

**DRILL HOLE RECORD**

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 10.6m  
 HOLE NO DDH-101H TOTAL DEPTH 109.7M date commenced 17/6/81  
 LOCATION L-7.H.50.N., HONU date completed 20/6/81  
 initial Azimuth 106° INITIAL DIP -50E CORE STORAGE U-hall  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1017 SHEET NO 4 of 6  
 DRILL Longyear 88  
 DRILLER Lindley Bros.  
 GEOLOGICAL LOG Howard Lake  
 RADIO METRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Unit	LITHOLOGY	STRUCTURE		TEXTURE			ALTERATION	MINERALIZATION %	RADIO METRIC DATA				ASSAY			
			Bedding	Schistosity	Ign.	Met.	Sed.			Inst. N°:	Graph						
		Graphic Log															
0		grey to buff															
1		pink & gray															
2																	
3																	
4																	
5		pink white lamellae															
6	66.7																
7																	
8																	
9																	
10		yellow due to limonite															
11																	
12																	
13	77.9																
14																	
15	73.3																
16																	
17																	
18																	
19																	
20																	

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 10.6 m  
 HOLE NO DDH-1014 TOTAL DEPTH 108.2 m Date Commenced 18/6/81  
 LOCATION L 21450N, 7400W Date Completed 20/6/81  
 Initial Azimuth 106° INITIAL DIP - 50E CORE STORAGE S-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1014 SHEET NO 5 of 6  
 DRILL Longyear 38  
 DRILLER Bradley Bros  
 GEOLOGICAL LOG Howard Lehto  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth (m)	Core Colour	Rock Unit	Graphic Log	LITHOLOGY							STRUCTURE			TEXTURE					ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY									
				Constituents %							Bedding g/a	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	K-feldspar	Serpentine	Silicification	Kaolinite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U108	Inst. No:	Sample Number	U308 %	Assay							
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate																					Rock Type	Alteration	Mineralization %	Meter	Graph	4	6
0																																					
1	dirty white with pink gray fringes																																			45-55 cps	
2	yellowish brown to dk grey green	Peribanda																																		45-50 cps	
3	pink to yellow buff																																			occasionally 60 cps not sign.	
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10	grey pink	Indicator																																			

Additional Data

A

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT 10.6 m  
 HOLE NO. D.H.-1014 TOTAL DEPTH 108.2 m Date commenced 18/6/81  
 LOCATION L-21450N, 7100W Date completed 30/6/81  
 Initial azimuth 106° INITIAL DIP -50 E CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO. 1014 SHEET NO. 6 of 6  
 DRILLER  
 GEOLOGICAL LOG  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Interval	Weathering Core Recovery %	Core Cuttings	Rock Unit	Depth	Graphic Log	LITHOLOGY						STRUCTURE						TEXTURE						ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY																													
						Constituents %						Bedding S/A	Schistosity	Foliation	Quartz vein	Sph. inclusions	Lign.	Met.	Sed.	Silica	Sulphide	Sulphate	Pyrite			Chalcopyrite	Galena	U 3 O 8	Inst. No. In- Out	Sample interval	Sample Number	U 3 O 8 %	Residual (%) (G.L.S.F.)																										
						Mica	Chlorite	Graphite	Carbon	Clay	Qz/Chert																							Carbonate	Rock Type	Bedding S/A	Schistosity	Foliation	Quartz vein	Sph. inclusions	Lign.	Met.	Sed.	Silica	Sulphide	Sulphate	Pyrite	Chalcopyrite	Galena	U 3 O 8	Meter	Graph	2	4	6	8			
0																																																											
1																																																											
2																																																											
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9																																																											
0																																																											

Additional Data

DRILL HOLE RECORD

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT 3.3m  
 HOLE NO 1015 TOTAL DEPTH 102.1(m) date commenced 21/6/81  
 LOCATION L 21400, G 770W date completed 23/6/81  
 initial azimuth 8.50° INITIAL DIP -4.5E CORE STORAGE U-LAKE  
 LATITUDE DEPARTURE ELEVATION 57.5M

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
3.3	45.5	0.54°
30.3	45.5	
90.9	45.5	

HOLE NO 1015 SHEET NO 1 of 6  
 DRILL LONGYEAR 3R  
 DRILLER BRADLEY R.R.O.  
 GEOLOGICAL LOG HOWARD LAHTI  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth (m)	Core Cuttings Rock Unit	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %								RADIO-METRIC DATA			ASSAY											
		Graphic Log	Constituents %					Rock Type	Bedding C.A.	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Sericitization	Silicification	Albitization	Glauberite	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 308	Inst. N <sup>o</sup> :	In:	Cal. Out:	Sample Number	U 308 %	ASSAY					
			Mica	Chlorite	Graphite	Carbon	Clay																									Qtz/Chert	Carbonates			
0																																				
0-3.9	OVERBURDEN																																			
3.9-7.0	PINK TO DARK GREY						DOLOMITE - LIMESTONE																													
7.0-9.5	LIGHT GREY TO PINK LAMINATED WITH MINOR YELLOW SEAMS						DOLOMITE - DOLOMITE BRECCIA																													
9.5-100																																				

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

DATE 15 JUL 1982  
 No G.M.: 38751



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT  
HOLE NO 1015 TOTAL DEPTH 102.1 (m) date commenced \_\_\_\_\_  
LOCATION \_\_\_\_\_ date completed \_\_\_\_\_  
initial Azimuth \_\_\_\_\_ INITIAL DIP \_\_\_\_\_ CORE STORAGE U-LAKE  
LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1015 SHEET NO 2 of 6  
DRILL LONGYEAR 38  
DRILLER BRADLEY BROS.  
GEOLOGICAL LOG HOWARD LAHTI  
RADIOMETRIC LOG \_\_\_\_\_  
SAMPLED \_\_\_\_\_  
ASSAYED \_\_\_\_\_

Depth (m)	Core Cuttings	Rock Unit	Depth (%)	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION			MINERALIZATION %			RADIOMETRIC DATA			ASSAY														
				Constituents %						Bedding C.A.	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Sphaerulite	Pyrrhotite	Chalcocyanite	Galena	U <sub>308</sub>	Inst. No.	In:	Cal. Out:	Sample Number	U <sub>308</sub> %	G15-5	T.C.S	C.P.S.										
				Mica	Chlorite	Graphite	Carbon	Clay	Qz/Chert																					Carbonate	Rock Type								
0																																							
1																																							
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
10																																							
30																																							
31																																							
32																																							
33																																							
34																																							
35																																							
36																																							
37																																							
38																																							
39																																							
40																																							

Additional Data

PERIBOLLA

NOT OBSERVABLE

TRACE - NONE

TRACE - MINOR

MOD. TO HIGH

MOD. TO HIGH

40-55

50-70



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT  
HOLE NO 1015 TOTAL DEPTH 102.1 (m) Date commenced  
LOCATION Date completed  
Initial Azimuth INITIAL DIP CORE STORAGE U LAKE  
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1015 SHEET NO 4 of 6  
DRILL LONGYEAR 38  
DRILLER BRADLEY BROS.  
GEOLOGICAL LOG HOWARD LAHTI  
RADIOMETRIC LOG  
SAMPLED  
ASSAYED

Depth (m)	Core Cuttings	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY						
							Graphic Log	Constituents %					Inst. No.	Sample Number	U308 %	G.S.-5	C.P.S.
								Mica	Chlorite	Graphite	Carbon	Clay					
60																	
62.6																	
70.3																	
73.0																	
74.8																	
75.6																	
77.0																	
78.5																	
80																	

Additional Data

60  
1  
2  
3  
4  
5  
6  
7  
8  
9  
70  
1  
2  
3  
4  
5  
6  
7  
8  
9  
80

PERIBONCA



CHERT BRECCIA AT 59.7.  
HIGHLY BRECCIATED DOLOMITE  
-SOME BLACK ARGILLITE IN MATRIX.  
-VERY POROUS  
-REACTION RIMS AROUND FRAGS.  
PINK DOL., PINK SILTY DOL., WHITE GREY DOL.  
-BOTH SOLUTION AND TECTONIC BRECCIA.  
-SOME DOLOMITE FRAGS FINELY LAMINATED.  
AS ABOVE BUT LESS FRAGILE AND POROUS  
-VERY SILICEOUS WITH RE-CRYSTALLIZED QUARTZ IN FRACTURE PLACES & VUGS. SOME LAMINATED (OR) THEM STAINED DARKER. LESS ARGILLITE IN MATRIX. PARTLY ALMOST TIGHTLY BOUND QUARTZ (SILICEOUS) 71.8-73.0 METERS  
73.0-73.2 CONTACT BETWEEN DOL. AND UNDERLYING PERIBONCA SANDSTONE, ARGOLITES ETC.  
YELLOW & BLACK WELL BEDDED DIRTY SANDSTONE - RIPPLE MARKS AND CROSS BEDDING OBSERVED.  
73.2-91.5 MASSIVE PERIBONCA SANDSTONE AND SUBARKOSE WIND-BLOWN? FRACTURES WITH MANGANESE DENDRITES.  
AT 74.8-75.6 WHITE SANDSTONE

NOT READILY OBSERVABLE  
HIGH MOD. TO HIGH  
MINOR BOX WHOLE STRUCTURE  
MOD. TO HIGH  
MOD. MINOR  
STRUCTURELESS

HIGH MOD. TO HIGH  
MOD. TO HIGH  
MOD. MINOR

50-65

45-65

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT
HOLE No 1015 TOTAL DEPTH 102.1 (M) date commenced
LOCATION date completed
initial Azimuth INITIAL DIP CORE STORAGE U LAKE
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY
DEPTH DIP AZIMUTH
HOLE No 1015 SHEET No 5 of 6
DRILL LONGYEAR 38
DRILLER BRADLEY BROS
GEOLOGICAL LOG HOWARD LAHTI
RADIOMETRIC LOG
SAMPLED
ASSAYED

Table with columns for LITHOLOGY, STRUCTURE, TEXTURE, ALTERATION, MINERALIZATION %, RADIOMETRIC DATA, and ASSAY. Includes handwritten data for rock types like PERIBONCA and descriptions of mineralization.

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <u>PC-2</u>	PROPERTY <u>CENTRAL INDICATOR</u>	CASING <u>LEFT</u>	HOLE SURVEY		HOLE No <u>1015</u>	SHEET No <u>6</u> of <u>6</u>
HOLE No <u>1015</u>	TOTAL DEPTH <u>102.1 (m)</u>	Date Commenced	DEPTH	DIP	DRILL <u>LONGYEAR 38</u>	DRILLER <u>BRADLEY BROS.</u>
LOCATION	Date Completed				GEOLOGICAL LOG <u>HOWARD LAHTI</u>	
Initial Azimuth	INITIAL DIP	CORE STORAGE <u>U-LAKE</u>			RADIOMETRIC LOG	
LATITUDE	DEPARTURE	ELEVATION			SAMPLED	
					ASSAYED	

Depth (m)	Graphic Log	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION		MINERALIZATION %			RADIOMETRIC DATA			ASSAY							
		Constituents %						Bedding/La	Schistosity	Fauling	Quartz vein	Ign.	Met.	Sed.	Sphaerulite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	In:	Cal. Out:	Sample Number	U3O8 %	G15-5 P.C.			
		Mica	Chlorite	Graphite	Carbon	Clay	Oil/Chert																				Carbonate	Rock Type	Chloritization
100																													
101																													
102.1																													
103																													
104																													
105																													
106																													
107																													
108																													
109																													
110																													
111																													
112																													
113																													
114																													
115																													
116																													
117																													
118																													
119																													
120																													

Additional Data

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT 6.1(M)  
 HOLE NO 1016 TOTAL DEPTH 74.8(M) date commenced JUNE 25/81  
 LOCATION L 2160N, 5+10W date completed JUNE 26/81  
 initial Azimuth 284° INITIAL DIP -45°W CORE STORAGE U-LAKE  
 LATITUDE DEPARTURE ELEVATION 571M

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
6.1	44.5	254°
30.3	44.5	
74.8	44.5	

HOLE NO 1016 SHEET NO 1 of 4  
 DRILL LONGYEAR 38  
 DRILLER BRADLEY BROS.  
 GEOLOGICAL LOG HOWARD LAHTI  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth (m)	Core Unit	LITHOLOGY							STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %			RADIO-METRIC DATA			ASSAY					
		Graphic Log	Constituents %					Rock Type	Bedding CA	Schistosity	Foliation	Quartz vein	Apatite	Sphalerite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	Cal. In:	Cal. Out:	Sample Number	U3O8 %	G15-S	TC-S	CP-S
			Mica	Chlorite	Graphite	Carbon	Clay																			
0	OVERBURDEN																									
1																										
2																										
3																										
4																										
5																										
6																										
7	PERIBONCA																									
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										
17																										
18																										
19																										
20																										

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

DATE 8/5/81  
 No G.M. 38751

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT (6.1 M)  
 HOLE NO 1016 TOTAL DEPTH 74.8 (M) Date commenced JUNE 25/81  
 LOCATION L 21+00N, 5+60W. Date completed JUNE 26/81  
 Initial Azimuth 254° INITIAL DIP - 45° W CORE STORAGE U-LAKE  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1016 SHEET NO 2 of 4  
 DRILL LONGYEAR 38  
 DRILLER BRADLEY BROS.  
 GEOLOGICAL LOG HOWARD LAHTI  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth (m)	Graphic Log	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %			RADIOMETRIC DATA			ASSAY		
		Constituents %						Bedding / C.A.	Schistosity / Fracture	Faulting	Quartz vein / Aplite	Texture			Serpentinization	Sulfidation	U/Pb	Sample Interval	Sample Number	U308 %	G15-5 K.C.S. C.P.S.	
		Mica	Chlorite	Graphite	Carbon	Clay	Oil/Chert					Carbonate	Rock Type	Ign.								Met.
0	GREY TO PURE WHITE																					
1	WHITE																					
2	22.4																					
3	WHITE																					
4	23.6																					
5	WHITE																					
6	23.6																					
7	23.6																					
8	23.6																					
9	23.6																					
10	23.6																					
11	30.9																					
12	GREY TO WHITE																					
13	30.9																					
14	30.9																					
15	30.9																					
16	30.9																					
17	30.9																					
18	30.9																					
19	30.9																					
20	30.9																					
21	35.1																					
22	LAMINATED PINK AND WHITE BANDS WITH MINOR RED STAINING TRACE YELLOW STAINING																					
23	35.1																					
24	35.1																					
25	35.1																					
26	35.1																					
27	35.1																					
28	35.1																					
29	35.1																					
30	35.1																					
31	35.1																					
32	35.1																					
33	35.1																					
34	35.1																					
35	35.1																					
36	35.1																					
37	35.1																					
38	35.1																					
39	35.1																					
40	35.1																					

Additional Data

45-60

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY \_\_\_\_\_ CASING LEFT 6.1(m)  
 HOLE NO 1016 TOTAL DEPTH 74.8(m) Date Commenced JUNE 25/81  
 LOCATION L21+00N, S160W Date Completed JUNE 26/81  
 Initial Azimuth 254° INITIAL DIP -45°w CORE STORAGE U-LAKE  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY

DEPTH	DIP	AZIMUTH

HOLE NO 1016 SHEET NO 3 of 4  
 DRILL LONGYEAR 38  
 DRILLER BRADLEY BROS.  
 GEOLOGICAL LOG HOWARD LAHTI  
 RADIO-METRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth (m)	Graphic Log	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %						RADIOMETRIC DATA				ASSAY					
		Constituents %						Bedding / CA	Schistosity	Foliation	Ign.	Met.	Sed.	MINERALIZATION %						Inst. No:	Cal. In:	Cal. Out:	Sample Number	U308 %	ASSAY				
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert							Carbonate	Rock Type	Bedding / CA	Schistosity	Foliation	Ign.							Met.	Sed.	Pyrite	Pyrrhotite
0																													
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
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18																													
19																													
20																													

Additional Data

45-60

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY CENTRAL INDICATOR CASING LEFT 6.1 (M)  
 HOLE NO 1016 TOTAL DEPTH 74.8 (M) Date commenced JUNE 25/81  
 LOCATION L 21+00N, 5+60W date completed JUNE 26/81  
 Initial Azimuth 254° INITIAL DIP -45°W CORE STORAGE U-LAKE  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1016 SHEET No 4 of 4  
 DRILL LONGYEAR 38  
 DRILLER BRADLEY BROS.  
 GEOLOGICAL LOG HOWARD LAHTI  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth (M)	Core Colour	Core Recovery %	Lithology	Structure	Texture	Alteration	Mineralization %	Radiometric Data				Sample Number	U308 %	Assay				
								Constituents %							Inst. N°:			
								Mica	Chlorite	Graphite	Carbon				Meter	2	4	6
0-66.1	DARK GREY TO LIGHT GREY	90	DOLOMITE BRECCIA CONT'D. LEANT G2-1. CHERT BRECCIA AT BOTTOM-62.7-66.1 - VERY POROUS BOX WORK TYPE PORE SPACE ALTERATION: PINK TALC (56.7-60.0), SECONDARY DOLOMITE CRISTALS; TALC (62.7-66.1).	HIGH - FRAGILE CORE														
66.1-74.8	PINK GREENISH BUFF	100	CONTACT WITH PERIBONCA SANDSTONE, ARKOSE, SUBARKOSE AT 66.1-66.2. PALE GREEN ALTERATION EXTENDS 0.15M INTO ARKOSE. HIGHLY FRACTURED RANDOM - FILLED WITH MANGANESE DENDRITES. NOTE: NO UPPER WATER LAIN SEDS. APPARENT AT EDGE OF OLD STRIP OR BEACH. INDICATOR ARKOSE, SANDSTONE FROM 66.2 TO 74.8. SOME SASSARITIZED FELDS IN MYLONITE ZONES IN FRACTURES MANGANESE DENDRITES IN SOME FRACTURES - DENSE MANGANESE FOR 66.2-66.7 OF CORE. MYLONITE ZONE AT 69.5. FINE LEANED, FOLDED BY WIND BLOWN, FEATHER SEED BEDDING NOT APPARENT	NOT APPARENT 45° CONJUGATE FAULTS										45-60				
74.8			END OF HOLE															

Additional Data



DRILL HOLE RECORD

PROJECT DC-2 PROPERTY Central Indicator CASING LEFT 4.2 M  
 HOLE NO D.H. - 1017 TOTAL DEPTH 106.1 M Date Commenced 10/2/81  
 LOCATION L. 19+50, 5+75W Date Completed 12/2/81  
 Initial Azimuth 154° INITIAL DIP 55° CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1017 SHEET NO 2 of 6  
 DRILL Howden 38  
 DRILLER Bradley Bros.  
 GEOLOGICAL LOG Howard Lamb  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Meters	Footing	Core	Cuttings	Rock Unit	Depth	Graphic Log	LITHOLOGY						Rock Type	STRUCTURE	TEXTURE					ALTERATION	MINERALIZATION %					RADIOMETRIC DATA				ASSAY									
							Constituents %								Bedding $\angle$	Schistosity	Foliation	Quartz vein	Aphyritic		Folitic	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U <sub>308</sub>	Inst. N <sup>o</sup> :	Col. In:	Col. Out:	Sample Interval	Sample Number	U <sub>308</sub> %	Assay		
							Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert																										Carbonate	
2													37°																										
1																																							
1																																							
1																																							
3																																							
1																																							
2																																							
3																																							
4																																							
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6																																							
7																																							
8																																							
9																																							
4																																							

Additional Data



**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 4.2 M  
 HOLE NO DDH-1017 TOTAL DEPTH \_\_\_\_\_ DATE COMMENCED 10/7/81  
 LOCATION 119+50, 5+75W DATE COMPLETED 12/7/81  
 INITIAL AZIMUTH 240° INITIAL DIP -50W CORE STORAGE U.Louke  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1017 SHEET NO 4 of 6  
 DRILL Lansyear 39  
 DRILLER B. G. G. Bros.  
 GEOLOGICAL LOG Howard Lamb  
 RADIO METRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Core Unit	Colour	LITHOLOGY								STRUCTURE					TEXTURE							ALTERATION MINERALIZATION %					RADIO METRIC DATA				ASSAY							
			Constituents %								Bedding S/A	Schistosity	Brecciation	Faulting / Fract.	Quartz vein	Apatite	Pyrite	Sphalerite	Galena	U3O8	Inst. No:	In:	Cal. Out:	Sample No.	U3O8 %	Radiometric Gr-S													
			Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Ilmenite																	Rock Type	Ign.	Met.	Sed.	Schistosity	Pyrrhotite	Chalcopyrite	Meter	Graph	Sample No.	U3O8 %	Radiometric Gr-S	
0		light grey to cream																																					
1																																							
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8		brownish green to pinkish																																					
9																																							
10																																							
11																																							
12																																							
13																																							
14																																							
15																																							
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18																																							
19																																							
20																																							

Additional Data

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT: PC-2 PROPERTY: Central Indicator CASING LEFT: 1.2 M  
 HOLE NO: DH-1017 TOTAL DEPTH: 106.1 m Date commenced: 10/2/81  
 LOCATION: L1956, 5775W date completed: 12/7/81  
 initial Azimuth: 254° INITIAL DIP: -50W CORE STORAGE: U-Lake  
 LATITUDE: DEPARTURE: ELEVATION:

DEPTH	DIP	AZIMUTH

HOLE NO: 1017 SHEET NO: 5 of 6  
 DRILL: Lanocor  
 DRILLER: Bradley Bros.  
 GEOLOGICAL LOG: Howard Latti  
 RADIO METRIC LOG:  
 SAMPLED:  
 ASSAYED:

Depth / m	LITHOLOGY						STRUCTURE			TEXTURE				ALTERATION			MINERALIZATION %			RADIOMETRIC DATA				ASSAY																												
	Graphic Log	Constituents %					Rock Type	Bedding	Schistosity	Brecciation	Faulting (Fzd)	Ign.		Met.		Sed.	Chloritization	Sulfidation	Silicification	Hydrothermal	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. N°:		Sample Number	U3O8 %	Radio metric cps (51-5)																					
		Mica	Chlorite	Graphite	Carbon	Clay						Qtz/Chert	Carbonate																					Meter	Graph																	
0																																																				
1																																																				
2																																																				
3																																																				
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10																																																				

Additional Data



**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 8.5 m  
 HOLE NO DRH-10.18 TOTAL DEPTH 99.7 m date commenced 13/7/81  
 LOCATION L19+30 N 7+25 W date completed 14/7/81  
 initial azimuth 106° INITIAL DIP -50°E CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION 570

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
8.2	50	106°
30.3	51	
62.7	51	
90.9	51	

HOLE NO 1018 SHEET No. 1 of 5  
 DRILLER Langstaff 38  
 DRILLER Bradley Bros  
 GEOLOGICAL LOG Howard Lake  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth / M. / Feet	Colour	Core Cuttings Rock Unit	Graphic Log	LITHOLOGY							STRUCTURE				TEXTURE			ALTERATION			MINERALIZATION %			RADIOMETRIC DATA				ASSAY									
				Constituents %							Bedding CIA	Schistosity	Fracturing	Faulting	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	In:	Cal Out:	Sample Number	U3O8 %	Assay							
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate																					MA	Rock Type	Pyroxene	Olivine	Amphibole	Albite	Calcite
0																																					
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
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18																																					
19																																					
20																																					

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

DATE 05 JUL 1982

38751

No G.M.:

65-95  
 QPS  
 NORMAL  
 BACKGROUND



DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 8.5 M  
 HOLE NO 1018 TOTAL DEPTH 99.7 Date Commenced 13/7/81  
 LOCATION L19180 N 7+25 W Date Completed 14/7/81  
 Initial Azimuth 106° INITIAL DIP -50° E CORE STORAGE U-lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO 1018 SHEET NO 2 of 5  
 DRILL Lohreyer 38  
 DRILLER Bradley Byes  
 GEOLOGICAL LOG Howard Latta  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Graphic Log	LITHOLOGY								Rock Type	STRUCTURE					TEXTURE					ALTERATION MINERALIZATION %						RADIOMETRIC DATA					ASSAY										
		Constituents %									Bedding	Schistosity	Brecciation	Faulting	Fract.	Quartz vein	Ign.			Met.		Sed.		Chloritization	Serpentinization	Sulfidation	Kaolinitization	Illite	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. N°:	In:	Cal. Out:	Sample Number	U3O8 %			
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	MA								Ign.	Met.	Sed.	Alteration	Mineralization	Alteration	Mineralization																	Alteration	Mineralization	Meter
20	Bright Macoon																																									
1																																										
2																																										
3																																										
4																																										
5																																										
6																																										
7																																										
8																																										
9																																										
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1																																										
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3																																										
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40																																										

Additional Data

**DRILL HOLE RECORD**

PROJECT <u>PC-2</u>	PROPERTY <u>Central Indicator</u>	CASING LEFT <u>8.2 M</u>	HOLE SURVEY			HOLE NO. <u>1018</u>	SHEET NO. <u>3</u>	of <u>5</u>
HOLE NO. <u>DDH-1018</u>	TOTAL DEPTH	Date Commenced <u>13/7/81</u>	DEPTH	DIP	AZIMUTH	DRILL <u>Long year</u>		
LOCATION <u>L19+30N, T3+7.5 W</u>		Date Completed <u>14/7/81</u>				DRILLER <u>Bradley, Gros</u>		
Initial Azimuth <u>106°</u>	INITIAL DIP <u>-50.E</u>	CORE STORAGE <u>U-Lake</u>				GEOLOGICAL LOG <u>Howard, LaTina</u>		
LATITUDE	DEPARTURE	ELEVATION				RADIOMETRIC LOG		
						SAMPLED		
						ASSAYED		

Depth	Graphic Log	LITHOLOGY						Rock Type	STRUCTURE			TEXTURE			ALTERATION	MINERALIZATION %			RADIOMETRIC DATA				ASSAY				
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert		Carbonate	Bedding CA	Schistosity	Faulting / Fold	Ign.	Met.		Sed.	Sphalerite	Pyrrholite	Pyrite	Chalcopyrite	Galenite	U3O8		Inst. No:	In:	Cal:	Out:
0								Argillite + dol. argill.																			70-100 cps
1								sec. previous page																			
2																											
3																											
4																											
5																											
6																											
7		Red.																									70-90 cps
8		Grey pink to white fang.																									55-80 cps
9		banded dk grey brown to pink and yellowish bands.																									
10																											

Additional Data



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <i>PC-2</i>	PROPERTY <i>Central Indicator</i>	CASING LEFT <i>8.2 M</i>	HOLE SURVEY	HOLE NO <i>1018</i>	SHEET NO <i>5</i>	of <i>5</i>
HOLE NO <i>1018</i>	TOTAL DEPTH <i>99.7 M</i>	Date commenced <i>13/7/81</i>	DEPTH	DIP	AZIMUTH	DRILL <i>Longyear 38</i>
LOCATION <i>L1973 ON 725 W</i>		Date completed <i>14/7/81</i>				DRILLER <i>Bradley Bros</i>
Initial Azimuth	INITIAL DIP <i>-50 E</i>	CORE STORAGE				GEOLOGICAL LOG <i>Howard Holter</i>
LATITUDE	DEPARTURE	ELEVATION				RADIOMETRIC LOG
						SAMPLED
						ASSAYED

Depth	LITHOLOGY		STRUCTURE	TEXTURE			ALTERATION	MINERALIZATION %	RADIOMETRIC DATA	ASSAY			
	Graphic Log	Rock Type		Ign.	Met.	Sed.				U3O8 %	Sample Number	U3O8 %	Assay
0													
0.9													
1	<p>pink caston array too pale green background</p> <p>9.5%</p> <p>INDICATOR.</p>												
2													
3													
4													
5													
6													
7													
8													
9													
99.7													

Additional Data

*Delomite Spil. Breccia*  
*Subarkose to orthoqtz. f. fine grain*  
*Massive. No apparent bedding*  
*first 6 m. highly fractured*  
*fracturing 45° to C/A, some sub N to C/A*  
*Most fractures filled with Qtz.*  
*Numerous thin Qtz filled fractures*  
*possibly in narrow mylonite zones*  
*weakly kaolinitized*  
*55-80 Cps Normal Background ground*

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT *PK-2* PROPERTY *Central Indicator* CASING LEFT  
 HOLE NO *RDH-1019* TOTAL DEPTH *75.8 M* Date Commenced *16/7/81*  
 LOCATION *L.18100.N 5425W* Date Completed *17/7/81*  
 Initial Azimuth *284°* INITIAL DIP *-45W* CORE STORAGE *U-lake*  
 LATITUDE DEPARTURE ELEVATION *568M*

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
6.1	45.5	254°
30.3	45.5W	
102.6	45.5	
75.8	45.0	

HOLE NO *1019* SHEET NO *1* of *4*  
 DRILL *Lamson 38*  
 DRILLER *Bradley Ross*  
 GEOLOGICAL LOG *Hannu Kalli*  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Cuttings Rock Unit	LITHOLOGY Graphic Log	LITHOLOGY Constituents % Mica Chlorite Graphite Carbon Clay Qtz/Chert Carbonate	Rock Type	STRUCTURE Bedding C/A Schistosity Foliation Faulting	TEXTURE Ign. Met. Sed.	ALTERATION Chloritization Sulfidation K-feldspar	MINERALIZATION % Sphalerite Pyrrhotite Pyrite Chalcocopyrite Galena U 3O 8	RADIO-METRIC DATA				Sample Number	U 3O 8 %	ASSAY Radio-metric cps (G.S-5)
									Inst. N°:		Cal. In:				
									Meter	Graph	In:	Out:			
0-6.4	OVER BURDEN														
6.4-12.7	Peribonca	Maroon to pink	argil-siltstone f. laminated limonite in fault at 12.4 to 13.0 - rich in carbonate YES: ultra fine grained	0° Sub H	Mod. Fracturing									50-75 cps ↓ Normal Back - ground	
12.7-18.3		dk grey Argillite - minor pink carb. rich blebs. - flame shaped		33°	Shatter Zone									50-75 cps ↓	
18.3-20.0		pale pink Maroon lamellae	pale pink with Maroon Lamellae Siltstone with Ara.	45°										50-75 cps ↓	

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

DATE: *05 JUL 1982*  
**38751**  
 No G.M.:

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT	P.C-2	PROPERTY	Central	CASING LEFT	
HOLE NO	DRH-1019	TOTAL DEPTH	75.8 M	Date Commenced	16/7/81
LOCATION	L 19100 S12.5 W	Date Completed	17/7/81		
Initial Azimuth	254°	INITIAL DIP	- 45W	CORE STORAGE	D-Like
LATITUDE		DEPARTURE		ELEVATION	

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
		254°

HOLE NO 1019 SHEET NO 2 of 4  
 DRILL Lamson 32  
 DRILLER Bradley  
 GEOLOGICAL LOG Howard Klette  
 RADIO METRIC LOG  
 SAMPLED  
 ASSAYED

DEPTH	Rock Unit	LITHOLOGY								STRUCTURE				TEXTURE						ALTERATION MINERALIZATION %						RADIO METRIC DATA				ASSAY									
		Colour	Mica	Chlorite	Graphite	Carbon	Clay	Qtz Chert	Carbonate	Rock Type	Bedding c/A	Schistosity	Foliation	Fracturing	Ign.			Met.			Sed.			Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 308	Inst. No.	In:	Cal. Out:	Sample Number	U 308 %	Radiometric	Grav. S.F.			
															Quartz vein	Schistosity	Foliation	Fracturing	Ign.	Met.	Sed.																		
		Core	Cuttings	Graphic Log	Constituents %					Mica	Chlorite	Graphite	Carbon	Clay	Qtz Chert	Carbonate	Schistosity	Foliation	Fracturing	Quartz vein	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 308	Inst. No.	In:	Cal. Out:	Sample Number	U 308 %	Radiometric	Grav. S.F.						
Mica	Chlorite				Graphite	Carbon	Clay	Qtz Chert	Carbonate																														
0-1		pale pink & Maroon bands																																				50-75	
1-2																																							
2-3																																							
3-4		buff to cream																																					
4-5																																							
5-6																																							
6-7		greyish Maroon																																					
7-8																																							
8-9		yellow white to buff																																					
9-10		Mottled appearance dk gray bands due to Mn/Fe.																																					
10-11																																							

Additional Data

NO WIRE LINE 85-90%  
 CORE 21-95%  
 CORE 26.4  
 CORE 32.4  
 CORE 38.5-41.5  
 CORE 33.9  
 CORE 32.4

Peribonca

Fault

Moderate to Weak

Fault

Fault highly fractured. 75% to 50% rocky breccias.

Minor

70-90 cps

60-80 cps

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT  
 HOLE NO. ADH-1019 TOTAL DEPTH \_\_\_\_\_ date commenced 16/7/81  
 LOCATION L18700N 5225W date completed 17/7/81  
 Initial Azimuth 254° INITIAL DIP -45W CORE STORAGE \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

**HOLE SURVEY**

DEPTH	DIP	AZIMUTH

HOLE NO. 1019 SHEET NO. 3 of 4  
 DRILL Longan 38  
 DRILLER Bradley Bros.  
 GEOLOGICAL LOG Howard Harty  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Colour	Rock Unit	Graphic Log	LITHOLOGY							STRUCTURE	TEXTURE			ALTERATION MINERALIZATION %							RADIOMETRIC DATA				ASSAY				
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate		Gypsum	Rock Type	Ign.	Met.	Sed.	Chloritization	Sulfidation	Al. Oxidation	Al. Leaching	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U3O8	Inst. No.	Cal. In:	Cal. Out:	Sample Number
0	yellow buff									see page 2																				
1	pink & white bands	41.5						YES	Minor YES	Algal Mat partly stained yellow - limonite. Minor silica + gypsum - tail.	Med. Irregular																		60-80 cps	
2	blotchy pink white grey	43.9						Minor clay.	Minor chert	Massive dol - minor sol. cavities - interbedded with some cherry bands & sea neck - unit almost totally recemented. - siliceous. Minor algal mat unit 52.0-52.3. Minor limonite.																			50-65	
3	yellow in part due to limonite																													
4	light pinkish grey speckled on parts (pale spots)	53.3								Contact Zone: Ind. Subark. with Lim. + Hem.																			40-60 cps	
5	Indicator	54.7								Indicator sub arkose v.f. gr. weakly kaolinized. No apparent bedding planes. qtz veins in fractures. - bluish colour after 62.7m.	45° to 61° Some 1-1.5m Fractures																			
6																														

Additional Data

50  
40  
30  
20  
10  
0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
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46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

NS WIRE LINE  
 50%  
 95-100%

Peribonca  
 Indicator

41.5  
 43.9  
 53.3  
 54.7

Graphical patterns and symbols representing rock textures and structures.

YES  
 Minor YES  
 Minor clay.  
 Minor chert

see page 2  
 Algal Mat partly stained yellow - limonite. Minor silica + gypsum - tail.  
 Massive dol - minor sol. cavities - interbedded with some cherry bands & sea neck - unit almost totally recemented. - siliceous. Minor algal mat unit 52.0-52.3. Minor limonite.  
 Contact Zone: Ind. Subark. with Lim. + Hem.  
 Indicator sub arkose v.f. gr. weakly kaolinized. No apparent bedding planes. qtz veins in fractures. - bluish colour after 62.7m.

Med. Irregular  
 45° to 61° Some 1-1.5m Fractures

Ign. Met. Sed.  
 Chloritization Sulfidation Al. Oxidation Al. Leaching Sphalerite Pyrrhotite Pyrite Chalcocopyrite Galena U3O8

Some kaolinization.  
 Trace here in some fractures. Yes weak.

Meter 2 4 6 8  
 Graph

Sample Number  
 U3O8 %

Assay (GTS-S)  
 60-80 cps  
 50-65  
 40-60 cps

PANCONTINENTAL MINING (CANADA) LTD.

DRILL HOLE RECORD

PROJECT PC-7 PROPERTY Central Indicator CASING LEFT
HOLE NO. 004H-1019 TOTAL DEPTH Date Commenced 16/7/81
LOCATION L 18+00N 5+7.5W Date Completed 17/7/81
Initial Azimuth 254° INITIAL DIP -45W CORE STORAGE
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY HOLE NO. 1019 SHEET NO. 4 of 4
DEPTH DIP AZIMUTH
DRILL Loneyear 28
DRILLER Bradley Bros
GEOLOGICAL LOG Howard Bekki
RADIOMETRIC LOG
SAMPLED
ASSAYED

Table with columns: LITHOLOGY (Graphic Log, Constituents %), STRUCTURE (Bedding C/A, Schistosity, etc.), TEXTURE (Ign., Met., Sed.), ALTERATION MINERALIZATION %, RADIOMETRIC DATA, and ASSAY. Includes depth scale on the left and various geological observations.

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 9.7M  
 HOLE NO MH-1020 TOTAL DEPTH 82.1M Date Commenced 19/7/81  
 LOCATION L 16450N, 7130W Date Completed 20/7/81  
 Initial Azimuth 1016° INITIAL DIP -45E CORE STORAGE V-Lake  
 LATITUDE DEPARTURE ELEVATION Sabin

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
9.7	44	106°
30.3	44.5	
60.6	44	
82.1	44	

HOLE NO 1020 SHEET NO 1 of 5  
 DRILL L. Anguier 36  
 DRILLER B. Levesque  
 GEOLOGICAL LOG Howard Leblond  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth / M	Graphic Log	LITHOLOGY							Rock Type	STRUCTURE	TEXTURE										ALTERATION MINERALIZATION %							RADIO-METRIC DATA				ASSAY					
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate			Bedding S/A	Schistosity	Faulting Fract.	Quartz vein	Asphalitic	Schistosity	Fracture	Ign.	Met.	Sed.	Chlorination	Sulfidation	Pyritization	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U3O8	Inst. N°:	Sample Number	U3O8 %	Assay				
0-10																																					
9.7																																					
10.3																																					
11.4																																					
12.8																																					
15.5																																					
18.0																																					
58.0																																					
82.1																																					

Additional Data

DATE: 05 JUL. 1982  
 No G.M.: 38751

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service de Potentiel minéral

SS-75  
 cps

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT *PC-2* PROPERTY *Central Indicator* CASING LEFT *9.2 M*  
 HOLE NO *00H-1020* TOTAL DEPTH *82.1 m* date commenced *19.12/81*  
 LOCATION *L 16150 7+30W* date completed *20.7/81*  
 initial azimuth INITIAL DIP *-45 E* CORE STORAGE *U.L.H.*  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO *1020* SHEET NO *2* of *5*  
 DRILL *Longyear 39*  
 DRILLER *Bradley Bros*  
 GEOLOGICAL LOG *Howard Lowe*  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth / M	Core Cuttings	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY				
							Constituents %					Inst. N <sup>o</sup> :	Sample Number	U3O8 %	Major Elements (G/S-S)
							Graphic Log	Mica	Chlorite	Graphite	Carbon				
0															
1		sol. barites at 20.6 to 21.2 m with carb. + chert. - some may have grown in situ before + during diagenesis													
2		22.1													
3		bedded dk grey buff pink + granitic grey													
4															
5															
6															
7		bright reddish Maroon													
8															
9		29.4													
10		100% N.O. WIRE LINE													
1		95% dk grey to pink flame shapes													
2															
3															
4															
5															
6															
7															
8															
9															
10															

Additional Data

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-7 PROPERTY Central Indicator CASING LEFT 1:2
HOLE NO ADH-1020 TOTAL DEPTH Date Commenced 19/7/81
LOCATION L16150N 713042 Date Completed 20/7/81
Initial Azimuth INITIAL DIP -4.5E CORE STORAGE U-LAKE
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY HOLE NO 1020 SHEET NO 3 of 5
DEPTH DIP AZIMUTH
DRILLER Longyear 38
GEOLOGICAL LOG Bradley & Co
RADIOMETRIC LOG Howard Katti
SAMPLED
ASSAYED

Main data table with columns: LITHOLOGY (Graphic Log, Constituents, Rock Type), STRUCTURE (Bedding, Faulting), TEXTURE (Ign., Met., Sed.), ALTERATION, MINERALIZATION %, RADIOMETRIC DATA, ASSAY. Includes handwritten annotations like 'dkgray and Maroon banding', '65°', 'Moderate to slight N35W, 75° SE with beddings.', and 'SOME'.

Additional Data

**DRILL HOLE RECORD**

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 9.2  
 HOLE NO DDH-1020 TOTAL DEPTH 72.1 Date Commenced 19/7/81  
 LOCATION L10150 7+30W Date Completed 22/7/81  
 Initial Azimuth 106° INITIAL DIP -4.5 CORE STORAGE V-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
		106°

HOLE NO 1020 SHEET NO 4 of 5  
 DRILL Lowrey  
 DRILLER Bradley Bros  
 GEOLOGICAL LOG Howard Lakki  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Colour	Core Description	Rock Unit	LITHOLOGY								STRUCTURE			TEXTURE						ALTERATION MINERALIZATION %					RADIO-METRIC DATA				ASSAY					
				Graphic Log	Constituents %							Rock Type	Bedding	Schistosity	Faulting	Quartz vein	Iron	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No.	Cal. In.	Cal. Out.	Sample Number	U3O8 %	Assay				
					Mica	Chlorite	Graphite	Carbon	Clay	Qtz / Chert	Carbonate																					Sulphur			
0																																			
1																																			
2																																			
3																																			
4																																			
5																																			
6																																			
7																																			
8																																			
9																																			
10																																			
1																																			
2																																			
3																																			
4																																			
5																																			
6																																			
7																																			
8																																			
9																																			
80																																			

Additional Data



**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Inheritance CASING LEFT 9.1  
 HOLE NO. 1021 TOTAL DEPTH 75.8M Date Commenced 22/7/81  
 LOCATION 215100N 6180W Date Completed 26/7/81  
 Initial Azimuth 106° INITIAL DIP -60.5E CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION 565.7

HOLE SURVEY  
 HOLE NO. DH 1021 SHEET NO. 1 of 4  
 DRILL log year 38  
 DRILLER Bradley Iverson  
 GEOLOGICAL LOG Howard Lahti  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Color	Core Cuttings	Rock Unit	Depth	LITHOLOGY								Rock Type	STRUCTURE				TEXTURE						ALTERATION			MINERALIZATION %		RADIO-METRIC DATA			ASSAY							
					Graphic Log	Constituents %								Bedding c/a	Schistosity	Foliation	Faulting	Quartz vein	Sed.	Ign.	Met.	Alteration	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 308	Inst. No.	Sample Number	U 308 %	Assay							
						Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate																					Amphibole	Schistosity	Foliation	Schistosity	Foliation	Schistosity	Foliation
OVER BURDEN																																							
OVER BURDEN																																							
10	NO LIME LIME			7.1									Interbedded dk gray to orange siltstone - Argillite with f.g. sandstone and dark gray arg. has pink irregular shaped lenses of sandstone + siltstone																								50-75 cps		
11													Comparing to m. arg. in othe. DMs. there is very little lime.																										
12													Minor lim. staining																										
13													Faults at																										
14																																							
15																																							
16																																							
17																																							
18																																							
19																																							
20																																							

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

Additional Data

DATE: 05 JUL 1982

No. G.M.: **38751**

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 9.1M  
 HOLE NO 1021 TOTAL DEPTH 75.8 Date Commenced 22/7/81  
 LOCATION L15 (N) Lt 80W Date Completed 26/7/81  
 Initial Azimuth 106° INITIAL DIP -60.5E CORE STORAGE U-lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
9.1	60.5E	106°
30.3	60.0	
60.6	60.0	
75.8	60.0	

HOLE NO 1021 SHEET NO 2 of 4  
 DRILL Longyear 38  
 DRILLER Bradley Bros  
 GEOLOGICAL LOG  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Colour	Core Recovery %	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY												
			Graphic Log	Constituents %					Rock Type	Bedding	Schistosity	Brecciation	Faulting/Fract	Quartz vein	Apophytic	Growth	Foliation	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No.	Cal. In:	Cal. Out:	Sample Number	U3O8 %								
				Mica	Chlorite	Graphite	Carbon	Clay																					Qtz/Chert	Carbonate						
0																																				
1	dark gray						red siltstone bed	6°																												
2	dark gray																																			
3	gray maroon						brecciated gray to maroon chert with frags of silicified																													
4							chert, siliceous breccia, very vuggy (poor core recovery)																													
5																																				
6																																				
7																																				
8																																				
9																																				
30																																				
1																																				
2																																				
3																																				
4																																				
5																																				
6																																				
7																																				
8																																				
9																																				

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 9.1 M  
 HOLE NO. DH-102 TOTAL DEPTH 75.8m Date commenced 22/7/81  
 LOCATION L15100N, 6780W Date completed 26/7/81  
 Initial Azimuth 106° INITIAL DIP -60.5E CORE STORAGE U-lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY			HOLE NO. <u>102A</u>	SHEET NO. <u>3</u> of <u>4</u>
DEPTH	DIP	AZIMUTH	DRILL	LANGYEAR
9.1	60.5	106°	Langyear	81
90.3	60		DRILLER	Bradley Bros.
60.16	60		GEOLOGICAL LOG	H. L. L.
75.5	60		RADIOMETRIC LOG	
			SAMPLED	
			ASSAYED	

Depth	Colour	Core Cuttings	Rock Unit	LITHOLOGY						Rock Type	STRUCTURE					TEXTURE						ALTERATION			MINERALIZATION %				RADIOMETRIC DATA				ASSAY									
				Graphic Log	Constituents %						Bedding C/A	Schistosity	Foliation	Faulting	Quartz vein	Ign.		Met.		Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	In:	Out:	Sample Number	U3O8 %	Assay										
					Mica	Chlorite	Graphite	Carbon	Clay							Qtz/Chert	Carbonate	Pyroxene	Amphibole														Calcite	Dolomite	Other							
0																																										
1	dk grey + pink		41.5																																							
2	dk Green		42.2					Synclinal Zone																																		
3			42.9																																							
4	off white grey and yellow + pink frags.																																									
5																																										
6																																										
7																																										
8																																										
9																																										
10																																										
11																																										
12																																										
13																																										
14																																										
15																																										
16																																										
Additional Data																																										

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT Pk-2 PROPERTY Central Indicator CASING LEFT 9.1 N HOLE SURVEY HOLE NO. D.H. 1021 SHEET NO. 4 OF 4  
 HOLE NO. D.H. 1021 TOTAL DEPTH 75.8 M Date Commenced 22/7/81  
 LOCATION L. 15.00N 61.80W Date Completed 26/7/81  
 initial Azimuth 106 INITIAL DIP -60.5 E CORE STORAGE D. Lake  
 LATITUDE DEPARTURE ELEVATION  
 HOLE SURVEY  
 DEPTH DIP AZIMUTH  
 7.1 60.5 106  
 30.3 60  
 60.6 60  
 75.1 60

Depth	Graphic Log	LITHOLOGY						Rock Type	STRUCTURE				TEXTURE						ALTERATION				MINERALIZATION %				RADIOMETRIC DATA				ASSAY						
		Micro	Chlorite	Graphite	Carbon	Clay	Qtz/Chert		Carbonate	Bedding	L.A.	Schistosity	Foliation	Faulting	Fracture	Qtz vein	Apatite	Calcite	Pyrite	Miscellaneous	Other	Ign.	Met.	Sed.	Chlorite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U 308	Meter	Inst. No.	In:	Col. Out:	Sample Number	U 308 %	Assay
0																																					
1							Indicator																														
2							Subarkose																														
3							Quartzite																														
4							f.gr.																														
5							Some Mylonite (green) Zones narrow 4.30cm																														
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					
13																																					
14							f. laminated subarkose qtz, arkose f.gr with lim. staining																														
15							qtz veins																														
16																																					
17							END																														
18																																					
19																																					
20																																					

Additional Data

Indicator Fm

Med to severe fracturing

Schist.

72.7

75.8

Qtz veins

45.65  
CPS  
Normal  
Back-ground

45.65  
CPS



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT **PC-2** PROPERTY **Central Indicator** CASING LEFT **3.0 M**  
 HOLE NO **AAH-107A** TOTAL DEPTH **143.9 M** Date Commenced **27/7/81**  
 LOCATION **L 19750 N, R 170W** Date Completed **30/7/81**  
 Initial Azimuth **264°** INITIAL DIP **-6.5 W** CORE STORAGE **U-Lake**  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY			HOLE NO	SHEET NO	of	Total
DEPTH	DIP	AZIMUTH	1071	2	7	
31.0	65.5	264°	Longyear	38		
30.3	"	"	DRILLER			
60.6	"	"	Bradley Bros			
93.0	"	"	GEOLOGICAL LOG			
121.2	"	"	HOWARD HALSTON			
			RADIOMETRIC LOG			
			SAMPLED			
			ASSAYED			

Depth (m)	Colour	Core Cuttings	Rock Unit	Graphic Log	LITHOLOGY								STRUCTURE								TEXTURE								ALTERATION MINERALIZATION %								RADIOMETRIC DATA								ASSAY							
					Constituents %				Rock Type	Bedding	Schistosity	Foliation	Faulting	Fracturing	Quartz vein	Apatite	Sphalerite	Pyrite	Galena	U3O8	Inst. No.	Cal	In	Out	Sample Number	U3O8 %	Assay																									
					Mica	Chlorite	Graphite	Carbon																				Clay	Qtz/Chert	Carbonate	Kem	Ign.	Met.	Sed.	Sphalerite	Pyrite	Chalcocopyrite	Galena	U3O8	Meter	Graph											
					2	4	6	8																				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Kem	Ign.	Met.	Sed.	Sphalerite	Pyrite	Chalcocopyrite	Galena	U3O8	Meter	Graph							
0-5	pink & light grey bands			[Pattern]	calcareous siltstone & carbonate in fractures. minor Mn	high																						50-85 cps																								
5-8	dk Maroon & pink blebs			[Pattern]	carbonate rich Argillite	53°	weak	moderate																				60-85 cps																								
8-9	white to dirty grey & black Mn			[Pattern]	dol. slump breccia or chert frags.		weak	moderate																				65-75 cps																								
9-30	pink to grey & Maroon bands			[Pattern]	carbonate rich section - sand size dol. lamellae interbedded with argillite also carb. rich. Many fractures & Mn dendrites	53°		moderate locally high																				50-70 cps																								
30-37.9	bright red			[Pattern]	Argillite & some bands of carbonate and chert																							65-75 cps																								
37.9-40				[Pattern]	Argillite																																															

Additional Data

**DRILL HOLE RECORD**

PROJECT <i>PC-2</i>	PROPERTY <i>Central Indicator</i>	CASING LEFT <i>3</i>	HOLE SURVEY	HOLE NO. <i>1012</i>	SHEET NO. <i>3</i> of <i>7</i>
HOLE NO. <i>ADH-1021</i>	TOTAL DEPTH <i>143.9</i>	DATE COMMENCED <i>27/7/81</i>	DEPTH	DIP	AZIMUTH
LOCATION <i>119150N, 2170W</i>	INITIAL DIP <i>-65.5W</i>	DATE COMPLETED <i>30/7/81</i>	<i>9.0</i>	<i>65.5</i>	<i>264°</i>
INITIAL AZIMUTH <i>264°</i>	DEPARTURE	CORE STORAGE <i>U-Laks</i>	<i>30.3</i>	"	"
LATITUDE	ELEVATION		<i>60.6</i>	"	"
			<i>93.0</i>	"	"
			<i>121.2</i>	"	"

DRILL <i>Langyear 38</i>
DRILLER <i>Bradley Bros</i>
GEOLOGICAL LOG <i>Howard Kabli</i>
RADIOMETRIC LOG
SAMPLED
ASSAYED

Depth	Lithology	Structure		Texture		Alteration	Mineralization %		Radiometric Data				Assay			
		Bedding	Schistosity	Ign.	Met.		Sphalerite	Pyrite	Chalcopyrite	Galena	U <sub>308</sub>	Inst. No:	Cal. In:	Sample Number	U <sub>308</sub> %	Radiometric cps
0.0 - 4.79	dk Maroon light grey pink to white carb bands	highly disrupted slump plus brittle fracture - fract. space filled with chert core and surrounded by carbonatic parts very wuggy	53°													50-60 cps
4.79 - 51.4	bright reddish Maroon	carb rich Argillite c mint carb bands interfingering of lamellae														
51.4 - 60.0	dk Maroon c pink streaks flame shaped blebs	argillite c interfingered carb rich lamellae very poorly developed weak reaction with carbonates possibly at mudstone	45°											0064		110-160 cps slightly above back ground
																60-80 cps

Additional Data

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT YC-2 PROPERTY Central Indicator CASING LEFT 3.0M HOLE SURVEY HOLE NO. 1022 SHEET NO. 4 of 7  
 HOLE NO. DH-1022 TOTAL DEPTH 143.9M Date Commenced 27/7/81 DRILL Longyear 38  
 LOCATION L19+50N, 8+70W Date Completed 30/7/81 DRILLER Bradley Bros  
 Initial Azimuth 264° INITIAL DIP -65.5° CORE STORAGE U-lake GEOLOGICAL LOG Howard Latta  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_ RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_ ASSAYED \_\_\_\_\_

DEPTH	DIP	AZIMUTH
8.0	65.5	264°
30.3		
60.6		
93.0		
121.2		

Depth	Colour	Rock Unit	LITHOLOGY							Rock Type	STRUCTURE			TEXTURE			ALTERATION			MINERALIZATION %			RADIOMETRIC DATA			ASSAY									
			Mica	Chlorite	Graphite	Carbon	Clay	Oxide/Other	Carbonate		Bedding/L.A.	Schistosity	Faulting	Quartz vein	Ign.	Met.	Sed.	Spalterite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Meter	Graph	Inst. N°	Cal	In	Out	Sample Number	U3O8 %	Assay			
0-1	dk Maroon									See previous page																									
1-2	pink to yellow white									Dol. transition zone vs. laminated weak reaction E.H.C. angle																	0065					60-80			
2-3	bone white to grey pink petalots									Dol. dol brecciated bone white frayed in grey gtz silicified kaolinized None to very weak reaction E.H.CI very wuggy 68.2-68.5 few fract. pink to orange due jaspered dol. possibly part of silica leach process																									
3-4	white to buff yellow grey in part	Meribonca								similar to above but very wuggy core highly fractured E box worklike structure weak reaction to HCl																									
4-5	bone white grey thin pink fract.									Messine Indurated Dol. sil + kaolin re-crystallized including fract. (col breccia) intense kaolinization also some fract. some local zone of wgs parts E graphic texture																									

Additional Data





**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 3.0  
 HOLE NO DPH-1022 TOTAL DEPTH 143.9M Date commenced 27/7/81  
 LOCATION L 19+50 8+70W Date completed 30/7/81  
 Initial Azimuth 264° INITIAL DIP -65.5 W CORE STORAGE V-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
3.0	65.5	264°
30.3	"	"
60.6	"	"
93.0	"	"
121.0	"	"

HOLE NO 1022 SHEET NO 7 of 7  
 DRILL Langdon 38  
 DRILLER B. Spalden Pres.  
 GEOLOGICAL LOG  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Colour	Rock Limit	Graphic Log	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %					RADIO-METRIC DATA				ASSAY										
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Rock Type	Bedding	Substrata	Fracturing	Quartz vein	Sphalitic	Siliceous	Pyritic	Carbonaceous	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U3O8	Inst. No.	Cal. In.	Cal. Out.	Sample Number	U3O8 %		
12.0	red to pink																																		
13.0	pink red to yellow off white grey frags	123.3																																	
13.0	yellow to pinkish	128.2																																	
14.0		143.9																																	

Additional Data

Major Fault ZONE

40-55 cps

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <i>PC-2</i>	PROPERTY <i>Central Inuit</i>	CASING LEFT <i>6.1M</i>	HOLE SURVEY	HOLE NO. <i>DDH-1023</i> SHEET No. <i>1</i> of <i>8</i>
HOLE NO. <i>DDH-1023</i>	TOTAL DEPTH <i>143.6 m.</i>	Date Commenced <i>15/8/81</i>	DEPTH	DRILL <i>Longman Super 38</i>
LOCATION <i>L 2100N, B190W</i>		Date Completed <i>18/8/81</i>	DIP	DRILLER <i>Bradley Bros</i>
initial Azimuth <i>286°</i>	INITIAL DIP <i>-55W</i>	CORE STORAGE <i>U-Lake</i>	AZIMUTH	GEOLOGICAL LOG <i>Howard Katta</i>
LATITUDE	DEPARTURE	ELEVATION <i>578 M</i>		RADIOMETRIC LOG
				SAMPLED
				ASSAYED

Depth	Colour	Core Cuttings	Rock Unit	Graphic Log	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION			MINERALIZATION %			RADIOMETRIC DATA				ASSAY									
					Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Rock Type	Bedding	Schistosity	Faulting / Fract.	Quartz vein	Argill.	Ign.	Met.	Sed.	Chertification	Sulfidation	Silicification	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U3O8	Inst. No:	Cal. In:	Cal. Out:	Meter	Graph	Sample Number	U3O8 %
0																																				
1																																				
2																																				
3																																				
4																																				
5																																				
6																																				
7																																				
8																																				
9																																				
10																																				
11																																				
12																																				
13																																				
14																																				
15																																				
16																																				
17																																				
18																																				
19																																				
20																																				

Additional Data 43°

Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Service du Potentiel minéral  
DATE: *5 JUL 1982*  
No. G.M.: **38751**

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT	PC-2	PROPERTY	Central Indicator	CASING LEFT	6.1M	HOLE SURVEY		HOLE NO.	004-1023	SHEET NO.	2	of 8
HOLE NO.	004-1023	TOTAL DEPTH	143.6M	Date Commenced	15/8/81	DEPTH	DIP	AZIMUTH		DRILLER	Longyear Surveys 38	
LOCATION	L 21100N, E 390W	Date Completed	18/8/81			6.1	53.5	286°		DRILLER	Bradley Bros	
Initial Azimuth	286°	INITIAL DIP	-5.5W	CORE STORAGE	U - Lake	30.3	53.5			GEOLOGICAL LOG	Howard Holtz	
LATITUDE		DEPARTURE		ELEVATION		60.6	53.5			RADIOMETRIC LOG		
						90.9	53.5			SAMPLED		
						143.6	53.0			ASSAYED		

DEPTH	Weathering Log Core Blk Core Recovery % Colour Core Cuttings Rock Unit Depth	LITHOLOGY						STRUCTURE Bedding $\alpha$ Schistosity Foliation Quartz vein Aegirine Sphalerite Pyrite Chalcopyrite Galena U <sub>3</sub> O <sub>8</sub>	TEXTURE Ign. Met. Sed.	ALTERATION Serpentization Silicification Sphalerite Pyrrhotite Pyrite Chalcopyrite Galena U <sub>3</sub> O <sub>8</sub>	MINERALIZATION %	RADIOMETRIC DATA		ASSAY			
		Graphic Log	Constituents %									Rock Type	Inst. N°:	In:	Sample Number	U308 %	Assay
			Mica	Chlorite	Graphite	Carbon	Clay										
2 0																	
1	dk. Maroon & pink flame shapes						dk. maroon argillite. some vugs at 20-23.0 - pink flame shapes - carb. rich.									60-70 cps locally	
2																	
3																	
4																	
5																	
6																	
7																	
8							Minor fault at 24.8 + 29.7 m										
9																	
3 0	N/G WIRE LINE	Peribonca															
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
4 0							fault gouge at 37.9m.										

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indiana CASING LEFT 6.1M HOLE SURVEY HOLE NO DDH-1023 SHEET NO 3 of 8  
 HOLE NO DDH-1023 TOTAL DEPTH 143.6M Date Commenced 15/2/81  
 LOCATION 1.00100N, 819DM Date Completed 12/2/81  
 initial Azimuth 289 INITIAL DIP -55W CORE STORAGE U-lake  
 LATITUDE DEPARTURE ELEVATION

DEPTH	DIP	AZIMUTH
6.1	53.3	286
30.3	53.3	"
60.6	53.3	"
90.9	53.3	"
143.6	54.0	"

DRILL Longyear DRILLER Bradley  
 GEOLOGICAL LOG Howard Lake  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	LITHOLOGY						STRUCTURE				TEXTURE				ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY																
	Graphic Log	Constituents %					Rock Type	Bedding	Schistosity Brecciation	Faulting Folds	Quartz vein	Texture				Alteration Mineralization %					Radiometric Data				Assay															
		Mica	Chlorite	Graphite	Carbon	Clay						Qtz/Chert	Carbonate	Ign.	Mel.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U308	Inst. No.	Cal In:	Cal Out:	Sample Number	U308 %	Assay												
4.0																																								
1																																								
2																																								
3																																								
4																																								
5																																								
6																																								
7																																								
8																																								
9																																								
10																																								
50																																								
51.9																																								
55.2																																								
60																																								

Additional Data

General 20-70 cps locally 70-80 background 40-50cps

Genuinely 11 to bedding

NR WIRE LINE

pink Maroon

Peribanca

Red bed

dk Maroon

much higher carbonate content arg. + siltstone.

vuggy at 49.0m some distorted beds due to slumping -Minor hematite

-peculiar Arg. -maroon Arg. in dol. congl. well bedded. Marine env.

bright reddish Maroon Arg. Minor bands of carb. + chert. appears carb + chert accum. along bedding planes -pseudo carb habit. oxidized unit.

Argil with numerous coarse carb-chert vugs. Minor red bands as above. chert-carb accum along bedding partings with pseudo carb. habit - possibly syngenetic Mudrock at 59.7

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT *PC-2* PROPERTY *Central Indicator* CASING LEFT *6.1 M*  
 HOLE NO *DDH-1023* TOTAL DEPTH *143.6 M* Date Commenced *15/9/81*  
 LOCATION *L2100, 8190W* Date Completed *19/8/81*  
 Initial Azimuth *286°* INITIAL DIP *-55W* CORE STORAGE *V-Lake*  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
6.1	55.5	286°
30.7	"	"
60.6	"	"
90.9	"	"
143.6	54.0	"

HOLE NO *DDH-1023* SHEET NO *4* of *8*  
 DRILL *Longyear Super 88*  
 DRILLER *Bradley Bros*  
 GEOLOGICAL LOG *Howard Holt*  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Graphic Log	Lithology	Structure	Texture	Alteration	Mineralization %	Radiometric Data			Assay	
							Inst. No.	Cal. Out	Sample Number		
		Constituents %					Meter	Graph			
		Mica Chlorite Graphite Carbon Clay Qtz/Chert Carbonate Asim.					2	4	6	8	
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

Additional Data

0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10

dk Maroon pink shales  
Red brick  
very dk Maroon  
off white c Maroon  
white + pink to red. Mottled

61.5  
63.6  
68.2  
71.8

Argil.  
Excellent slumping structure at 61.2  
red Arg. with interbedded siltstone some pale redox. cells esp. along fract some flame shaped frags or parts of beds.  
Massive Arg. some pale redox spots - also along bedding planes.  
- essentially as above but no oxidation to same extent.  
Dol. Sol. breccia granular text. dk maroon hem. after - suture lines - minor arg. at 70.3 m. partially silicified dk bands eg 71.8.  
- trace specularite + Mn dendrites  
dol. - granular texture  
Kaolinized.  
Minor fractures healed with gtz. hem - orangy pink dk zones.  
74.5 - 74.7  
77.9 - 78.2  
81.5 - 81.8 with Mn dendrites

Bedding  
Schistosity  
Brecciation  
Faulting  
Quartz vein  
Sphalerite  
Pyrite  
Chalcocite  
Galenite  
U3O8  
Sphalerite  
Pyrite  
Chalcocopyrite  
Galenite  
U3O8

Ign.  
Met.  
Sed.  
Chloritization  
Sphalerite  
Pyrite  
Chalcocopyrite  
Galenite  
U3O8

Inst. No.  
Cal. Out

Sample Number  
U3O8 %  
Assay  
50-60 ggs  
70-80 ggs slightly high

MINOR FRACTURING

100%

Paribonca

30°  
34°

possible fault.  
Minor Fracturing

Minor porcellinization

SOME

PANCONTINENTAL MINING (CANADA) LTD.

DRILL HOLE RECORD

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 6.1 m
HOLE NO ODH-1023 TOTAL DEPTH 143.6 m Date Commenced 15/8/81
LOCATION L21400, S+90W Date Completed 19/8/81
Initial Azimuth 286° INITIAL DIP -SSW CORE STORAGE U-lake
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY table with columns: DEPTH, DIP, AZIMUTH. Rows: 6.1 (53.5, 286), 30.7 (11, 11), 60.6 (11, 11), 90.9 (4, 11), 142.6 (54.0, 11)

HOLE NO ODH-1023 SHEET NO 5 of 8
DRILL Ross, Jean Survey 35
DRILLER Bradley, Bruce
GEOLOGICAL LOG Howard, Robert
RADIOMETRIC LOG
SAMPLED
ASSAYED

Main geological log table with columns: Lithology (Mica, Chlorite, Graphite, Carbon, Clay, Qtz/Chert, Carbonate, Limestone), Structure (Bedding, Schistosity, Faulting, Quartz vein, Sphalerite, Pyrite, Galena, U3O8), Texture (Ign., Met., Sed.), Alteration, Mineralization %, Radiometric Data (Inst. No, Col. Out, Meter, Graph), Assay (U3O8 %, cps). Includes handwritten notes like 'dol. cont'd', 'strong faulting', and 'Peribonca SS'.

Additional Data

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 6.1M  
HOLE NO. DDH-1023 TOTAL DEPTH 143.6 Date Commenced 15/6/81  
LOCATION L21+00N 8+90W Date Completed 19/8/81  
Initial Azimuth 286° INITIAL DIP -5 SW CORE STORAGE V-Lake  
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
6.1	53.5	286°
30.2	"	"
60.6	"	"
90.9	"	"
143.6	54.0	"

HOLE NO. DDH-1023 SHEET No. 5 of 5  
DRILL Langeon Supra 38  
DRILLER Bradley Bree  
GEOLOGICAL LOG Howard Holtz  
RADIOMETRIC LOG  
SAMPLED  
ASSAYED

Depth	Colour	Rock Unit	LITHOLOGY							STRUCTURE				TEXTURE			ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY			
			Graphic Log	Constituents %				Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrite	Chalcopyrite	Galena	U <sub>3</sub> O <sub>8</sub>	Inst. N°:	In:	Cal. Out:	Sample Interval	Sample Number	U <sub>308</sub> %	ASSAY	
				Mica	Chlorite	Graphite	Carbon																					Clay

10-0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
110  
1  
2  
3  
4  
5  
6  
7  
8  
9  
120

pink to pinkish gray

NO WIRE LIME

Peribonca?

Peribonca subarkose + arkose unit slightly kaolinized.

Fault Shatter Zone 95Z-102.2

core generally highly shattered 45° to C/A

70-50  
63

Additional Data



DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT *PC-2* PROPERTY *Central Inland* CASING LEFT *6.1/14*  
 HOLE NO. *DDH-1023* TOTAL DEPTH *143.6* Date Commenced *15/8/81*  
 LOCATION *L21+00N, 8190W* Date Completed *19/8/81*  
 Initial Azimuth *286°* INITIAL DIP *-5.5W* CORE STORAGE *V-1/100*  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
6.1	53.5	286°
30.3	"	
60.6	"	
90.9	"	
143.6	54°	

HOLE NO. *DDH-1023* SHEET NO. *8* of *8*  
 DRILL *Longyear Super 38*  
 DRILLER *Swadlow Bros.*  
 GEOLOGICAL LOG *Howard Lohler*  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Vertical Scale 14 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	Weathering Condition Type Core Recovery % Colour Core Cuttings Rock Unit Depth	Graphic Log	LITHOLOGY					STRUCTURE		TEXTURE				ALTERATION MINERALIZATION %					RADIO-METRIC DATA			ASSAY						
			Mica Chlorite Graphite Carbon Clay Qtz/Cher Carbonate	Rock Type	Bedding Schistosity Foliation Quartz vein Sphalerite Pyrite Galena U <sub>3</sub> O <sub>8</sub>	Ign. Met. Sed.	Sphalerite Pyrrhotite Pyrite Chalcopyrite Galena U <sub>3</sub> O <sub>8</sub>	Sphalerite Pyrrhotite Pyrite Chalcopyrite Galena U <sub>3</sub> O <sub>8</sub>	Inst. No. In: Cal. Out:	Meter 2 4 6 8	Sample Number U 508 %	ASSAY																
	N/D WIRE LINE 40% 7.5						Major Fault - coarse mylonite with clay - minor limonite - kadimised slightly.	490 Fault																				40-50 cps ↓
Additional Data																												

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <i>PC-2</i>	PROPERTY <i>Central Indicator</i>	CASING LEFT <i>4.5M</i>	HOLE SURVEY			HOLE NO <i>ADH-1024</i>	SHEET NO <i>1</i>	of <i>3</i>
HOLE NO <i>ADH-1024</i>	TOTAL DEPTH <i>58.8M</i>	Date Commenced <i>19/9/81</i>	DEPTH	DIP	AZIMUTH	DRILL <i>Langyav Super 38</i>		
LOCATION <i>L20+40N, 8490W</i>		Date Completed <i>20/9/81</i>	<i>4.5</i>	<i>53.5</i>	<i>286°</i>	DRILLER <i>Bradley Bros.</i>		
Initial Azimuth <i>286°</i>	INITIAL DIP <i>-55W</i>	CORE STORAGE <i>D-Lake</i>	<i>30.3</i>	<i>53.5</i>		GEOLOGICAL LOG <i>Howard Lahti</i>		
LATITUDE	DEPARTURE	ELEVATION <i>57.0M</i>	<i>58.8</i>	<i>53.5</i>		RADIOMETRIC LOG		
						SAMPLED		
						ASSAYED		

Depth	Colour	Core Cuttings	Rock Unit	LITHOLOGY							STRUCTURE			TEXTURE							ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY									
				Graphic Log	Constituents %							Bedding C/A	Schistosity Brecciation	Faulting /Fract.	Quartz Vein	Sphalerite	Pyrite	Pyrrhotite	Chalcocopyrite	Galena	U3O8	Inst. No:	Cal. In:	Cal. Out:	Sample Number	U3O8 %	Assay												
					Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate																	Rock Type	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena	U3O8		
0																																							
1																																							
2																																							
3																																							
4																																							
5																																							
6																																							
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20																																							

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral  
 DATE: 05 JUL 1982  
 No G.M.: 38751







**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT *PC-2*      PROPERTY *Central Indicator*      CASING LEFT *6.1M*  
 HOLE NO *DDH-102.5*      TOTAL DEPTH *33.3M*      Date Commenced *21/8/81*  
 LOCATION *L 22720 N, 2770W*      date Completed *27/8/81*      CORE STORAGE *D-Lake*  
 Initial Azimuth *100°*      INITIAL DIP *- 45 E*      DEPARTURE  
 LATITUDE      DEPARTURE      ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
6.1	48	106°
33.3	48	..

HOLE NO *DDH-102.5* SHEET NO *2* of *2*  
 DRILL *Longyear Super 38*  
 DRILLER *Bradley Bros.*  
 GEOLOGICAL LOG *Howard Lehti*  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Colour	Core	Curtings	Rock Unit	LITHOLOGY						Rock Type	STRUCTURE				TEXTURE				ALTERATION/MINERALIZATION %					RADIOMETRIC DATA				ASSAY										
					Graphic Log							Bedding	Schistosity	Foliation	Faulting	Quartz vein	Sphalerite	Pyrite	Chalcopyrite	Galena	U308	Inst. N°:	In:	Out:	Sample Number	U308 %													
					Mica	Chlorite	Graphite	Carbon	Clay	Qz/Chert																	Carbonate	Ign.	Met.	Sed.	Sphalerite	Pyrite	Chalcopyrite	Galena	U308	Meter	Graph		
20																																							
1																																							
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
30																																							
1																																							
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
0																																							

20  
1  
2  
3  
4  
5  
6  
7  
8  
9  
30  
1  
2  
3  
4  
5  
6  
7  
8  
9  
0

pink to greyish pink  
pink  
Minor greenish bands.

80 WIRE LIND

with ultra f.g. green alteration zones.  
Eg. 21.8, 25.2 and 27.6 m weakly at 30-30.6m  
30-30.6 stained by limonite

strong banding after 30.6m

Note - in fault zone 18.2-18.5 rock altered by oxid. ground water - minor Mn.

70°

45°, 35° zone at 60° not highly fractured

33.3  
END

Additional Data



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <b>PC-2</b>	PROPERTY <b>Central Indicator</b>	CASING LEFT <b>18.2M</b>
HOLE NO <b>DH 1026</b>	TOTAL DEPTH <b>60.3</b>	Date Commenced <b>25/8/81</b>
LOCATION <b>L 24100, 4+50W</b>	Date Completed <b>26/8/81</b>	CORE STORAGE <b>U-Lake</b>
Initial Azimuth <b>286°</b>	INITIAL DIP <b>-50W</b>	ELEVATION
LATITUDE	DEPARTURE	

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
20.3	48	286°
60.3	49	"

HOLE NO **DH 1026** SHEET NO **2** of **3**  
 DRILL **Lapointe, Sengco 28**  
 DRILLER **Bradley, Ross**  
 GEOLOGICAL LOG **Newman, Walter**  
 RADIO METRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Colour	Rock Unit	Graphic Log	LITHOLOGY								STRUCTURE		TEXTURE			ALTERATION		MINERALIZATION %				RADIOMETRIC DATA				ASSAY											
				Mica	Chlorite	Graphite	Carbon	Clay	Ox. Chert	Carbonate	Sulphide	Rock Type	Bedding	Stratigraphy	Fracturing	Quartz vein	Ign.	Met.	Sed.	Chlorite	Pyrite	Chalcopyrite	Galena	U3O8	Meter	Graph	Sample Number	U3O8 %	Assay									
2.0	white to pinkish white																																					
24.5 - 29.4	partially silicified red to maroon			YES																																	30.60 0.49	
29.4	blotchy pink, off white, gray with buff patches.		fault	MINOR																																		
29.4 - 40	Mat - some dk gray bands with silica. - minor hem. locally - part of core is S.G. Magnesian. Minor chert bands - re-xl dol in vugs + some fractures.																																					

Additional Data





# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indiana CASING LEFT 21.2 M  
 HOLE NO. DDH-1027 TOTAL DEPTH Date commenced 23/8/81  
 LOCATION L25+60N, S+80W Date completed 30/8/81  
 Initial Azimuth 10.6° INITIAL DIP -45 E CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO. 1027 SHEET NO. 2 of 4  
 DRILL LONGUEUR SWAY 38  
 DRILLER B. J. DALY  
 GEOLOGICAL LOG Howard K. B. T. A.  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Cuttings	Rock Unit	LITHOLOGY							Rock Type	Structure	TEXTURE								Alteration	MINERALIZATION %	RADIOMETRIC DATA				ASSAY														
			Constituents %									Ign.	Met.	Sed.	Siderite	Pyrrhotite	Pyrite	Chalcocopyrite	Galena			U3O8	Inst. N°:																	
			Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate														Other	Meter	Graph		4	6	8											
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Additional Data

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC-7 PROPERTY Central Indicator CASING LEFT 21.2 m  
 HOLE NO DDH-1027 TOTAL DEPTH 70 M Date commenced 28/8/81  
 LOCATION L25+60N, 5+80W Date completed 30/8/81  
 Initial Azimuth 106° INITIAL DIP -4.5 E CORE STORAGE U-lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

**HOLE SURVEY**

DEPTH	DIP	AZIMUTH

HOLE NO 1027 SHEET NO 3 of 4  
 DRILL Longair, Simon  
 DRILLER Bradley Bros.  
 GEOLOGICAL LOG Howard Lichte  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLER \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Core Cuttings	Rock Unit	Depth	Graphic Log	LITHOLOGY							Rock Type	STRUCTURE			TEXTURE					ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY																									
				Constituents %								Bedding	Schistosity / Fragility	Faulting / Fracturing	Ign.		Met.			Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 308	Inst. No.	Sample Interval			Sample Number	U308 %	Radiometric Data																					
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz / Chert	Carbonate																																												
		40-45.5																																																				
		45.5-58.2																																																				
		58.2-62.7																																																				

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT *PC-2* PROPERTY *Central Indicator* CASING LEFT *20.7 M*  
 HOLE NO *DDH-1027* TOTAL DEPTH *20.0 M* Date Commenced *20/8/81*  
 LOCATION *L25t60, 5480W* Date completed *30/8/81*  
 initial Azimuth *186°* INITIAL DIP *-4.5W* CORE STORAGE *D-Lake*  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH

HOLE NO *1027* SHEET NO *4* OF *4*  
 DRILL *Logan Super 38*  
 DRILLER *Bradley Ross*  
 GEOLOGICAL LOG *Howard Luthe*  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Colour	LITHOLOGY						Rock Type	STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY							
		Constituents %							Bedding	Schistosity	Faulting	Quartz vein	Ign.	Met.	Sed.	Chloritization	Sulfidation	Silicification	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No.	Cal. In:	Cal. Out:	Sample Number	U3O8 %	Assay	
0																															
1	see previous page																														
2																															
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Additional Data





# DRILL HOLE RECORD

## PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 20.9  
 HOLE NO. D04-1028 TOTAL DEPTH 47.5M date commenced 3/18/81  
 LOCATION L.25+63N 6+70W date completed 2/19/81  
 Initial Azimuth 286° INITIAL DIP -4.5W CORE STORAGE V-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
15.2	48	286
30.3	48	"

HOLE NO. 1028 SHEET NO. 3 of 3  
 DRILL Longyear Super 38  
 DRILLER Bradley Brothers  
 GEOLOGICAL LOG Howard Ketcher  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Core Cuttings	Colour	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY																				
			Graphic Log	Constituents %					Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U308	Inst. No. In: Col. Out:	Sample Number	U308 %	Assay																	
				Mica	Chlorite	Graphite	Carbon	Clay																			Qtz/Chert	Carbonate	Albite	Anorthite	Pyroxene	Apatite	Ilmenite	Hornblende	Amphibole	Calcite	Dolomite	Siderite	Magnetite	Staurolite	Chloritization	Sulfidation	Silicification
40	NO WIRE LINE 95-100%	off white ↓					porcellinite ↓ graphic texture dense & hard interstitial space qtz																							40.5% CS ↓													
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Additional Data

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC-2 PROPERTY Central Inducta CASING LEFT 13.3 M  
HOLE NO DPH-1029A TOTAL DEPTH 87.1 M Date Commenced 4/9/81  
LOCATION L 25+EON 6+25W Date Completed 6/9/81  
Initial Azimuth — INITIAL DIP -90 CORE STORAGE U-Lake  
LATITUDE DEPARTURE ELEVATION 584 M

HOLE SURVEY			HOLE NO. <u>DPH-1029A</u> SHEET NO. <u>1</u> of <u>5</u> DRILLER <u>L. McQueen Superv. 38</u> GEOLOGICAL LOG <u>Howard White</u> RADIOMETRIC LOG SAMPLED ASSAYED
DEPTH	DIP	AZIMUTH	
13.3	-90	—	

Depth	LITHOLOGY										STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY																									
	Graphic Log	Constituents %						Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Altered	Pyrite	Chalcopyrite	Galena	U 308	Inst. No.	In.	Cal. Out.	Sample Number	U308 %	GRAPHS	GRFX																							
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert																					Carbonate																						
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Additional Data

**N/G WIRE LINE**

98-102%

dkgray to maroon to 6.7m - rest is gray buff. with minor pink and orange

Penobscot



Glacial Overburden

YES

Minor Hematization to 24.2m

Silicified to Porcelainite minor fracturing

Minor fracturing

Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Service du Potentiel minéral

DATE: 03 JUL 1982  
No G.M.: 38751

Sample Number	U308 %	GRAPHS	GRFX
0061		generally	50-70 cps
0062		20 cps	at 14.8m
		120 cps	at 15.7m
0063			

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 13.3M  
 HOLE NO DH-1028A TOTAL DEPTH 8.1M Date Commenced 4/9/81  
 LOCATION 1.25+50N, 6+8.6W Date Completed 6/9/81  
 initial azimuth \_\_\_\_\_ INITIAL DIP -90 CORE STORAGE V-lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
<u>13.3</u>	<u>-90</u>	

HOLE NO DH-1028A SHEET NO 2 of 5  
 DRILL Leaveson Supp 38  
 DRILLER Beasley, J.  
 GEOLOGICAL LOG Harward & Latta  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Colour	Coring	Rock Unit	Graphic Log	LITHOLOGY								Structure	TEXTURE								Alteration	MINERALIZATION %						RADIOMETRIC DATA				ASSAY			
					Constituents %									Bedding	Schistosity	Brecciation	Faulting / Fract.	Quartz vein	Apophyse	Igneous				Sphalerite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	Cat. In:	Out:	Sample Number	U3O8 %	Radiometrics cps	S.G.S.4	
					Mica	Chlorite	Graphite	Carbon	Clay	Qtz / Chert	Carbonate	Rock Type								Met.	Sed.		Albite													Anorthite
0																																				
1					gray buff with minor pink + orange some dk gray bands.																															
2																																				
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Additional Data																																				

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 13.3 M  
 HOLE NO. DDH-102BA TOTAL DEPTH 8.7M Date Commenced 4/9/81  
 LOCATION L25t50N, L4085M Date Completed 6/9/81  
 Initial Azimuth — INITIAL DIP -70 CORE STORAGE ✓-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
13.3	90	

HOLE NO. DDH-102BA SHEET NO. 3 of 5  
 DRILL Loggyn Super 28  
 DRILLER Wadey Row  
 GEOLOGICAL LOG Isward. hakti  
 RADIO-METRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Core Colour	Cuttings	Rock Unit	LITHOLOGY						STRUCTURE				TEXTURE						ALTERATION MINERALIZATION %								RADIO-METRIC DATA				ASSAY					
				Graphic Log	Constituents %					Rock Type	Bedding	Schistosity	Foliation	Faulting	Quartz vein	Apatite	Sphalerite	Pyrite	Pyrrhotite	Chalcopyrite	Galena	U3O8	Inst. No:	In:	Out:	Sample Number	U3O8 %	Pb	Zn	Cu							
					Mica	Chlorite	Graphite	Carbon	Clay																						Qtz / Other	Carbonate	Ion.				
0																																					
1				gray buff																																	
2				Minor dk gray bands.																																	
3																																					
4																																					
5																																					
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7																																					
8																																					
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10																																					
Additional Data																																					

NO. LIKE LIME

blotchy mazon off-white pink greenish buff to brown

Peribonca

54.8

Minor YES

None Apparent

SOME-Healed.

Highly Minor Narrow Faults.

Dol. highly brecciated and sheared, altered solution breccia and algal mat. - small fault at 55 ± Massive hem. Micro breccia - Hem. suture lines extend 1.2m.

35-40 %



**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 13.3M  
 HOLE NO DDH-1028A TOTAL DEPTH 87M Date Commenced 4/9/81  
 LOCATION L25100N L485 Date Completed 6/9/81  
 initial Azimuth \_\_\_\_\_ INITIAL DIP -90 CORE STORAGE U-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
13.3	-90	---

HOLE NO. 1028A SHEET NO. 4 of 5  
 DRILL Langeman, Scott, RP  
 DRILLER Bradley, Ross  
 GEOLOGICAL LOG Hansard, Lachin  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Colour	Cuttings	Rock Unit	LITHOLOGY						STRUCTURE				TEXTURE							ALTERATION MINERALIZATION %							RADIOMETRIC DATA				ASSAY														
				Graphic Log	Constituents %					Rock Type	Bedding	Schistosity	Foliation	Quartz vein	Aplitic	Porphyry	Scleritic	Microcline	Fibrous	Anisotropic	Stalactitic	Glassy	Reniform	Cubic	Cubic	Lenticular	Arborescent	Reniform	Reniform	Reniform	Reniform	Reniform	Reniform	Reniform	Inst. No:	In:	Cal. Out:	Sample Number	U308 %	Radioactivity (CF/S-A)						
					Mica	Chlorite	Graphite	Carbon	Clay																																Qtz/Chert	Carbonate	Ign.	Met.	Sed.	Chlorite
60	see previous page																																													
1																																														
2																																														
3	buff with maroon pink																																													
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Additional Data

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 12.3 M  
 HOLE NO. DVH-1028A TOTAL DEPTH 27m Date Commenced 4/9/81  
 LOCATION L2S750N, 6185W Date Completed 6/9/81  
 Initial Azimuth \_\_\_\_\_ INITIAL DIP -90 CORE STORAGE U-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
13.3m	-90	

HOLE NO. 1028A SHEET NO. 5 of 5  
 DRILL Logan Super 38  
 DRILLER Bradley Bwa  
 GEOLOGICAL LOG Howard Latta  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Graphic Log	LITHOLOGY						STRUCTURE				TEXTURE			ALTERATION				MINERALIZATION %				RADIOMETRIC DATA				ASSAY													
		Constituents %						Bedding / Dip	Schistosity / Direction	Faulting / Thrust	Quartz vein	Sph. / Calc.	Ign.	Met.	Sed.	Sulfidation	Silicification	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U 308	Inst. N°:	In:	Cal. Out:	Sample Number	U 308 %	Assay											
		Mica	Chlorite	Graphite	Carbon	Clay	Ox./Chert																							Carbonate	Rock Type	Meter	Graph	2	4	6	8			
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Additional Data \_\_\_\_\_

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indiana CASING LEFT 32.4 M  
 HOLE NO. DQH-1029 TOTAL DEPTH 62.7 M Date Commenced 8/9/81  
 LOCATION L-24+00 N 5100 W Date Completed 10/9/81  
 initial Azimuth \_\_\_\_\_ INITIAL DIP -90 CORE STORAGE V-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION 596 M

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
62.7	-84	—

HOLE NO. 001-1029 SHEET NO. 1 of 4  
 DRILL Henry Super 28  
 DRILLER Bradley Rye  
 GEOLOGICAL LOG Howard Lakota  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Graphic Log	LITHOLOGY						STRUCTURE					TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY															
		Constituents %						Bedding	Schistosity	Foliation	Quartz vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein	Sph. Cr. vein														
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert																				Carbonate	Rock Type	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Chalcopyrite	Galena	U3O8	Inst. N°:	In:	Cal. Out:	Meter
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Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

DATE: 05 JUIL 1982

No G.M.: 38751

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT *PC-2* PROPERTY *Central Inadeator* CASING LEFT *32.4*  
 HOLE NO *DAH-1029* TOTAL DEPTH *62.7 m* Date Commenced *8/9/81*  
 LOCATION *L 2400 N 5100W* Date Completed *10/9/81*  
 Initial Azimuth *—* INITIAL DIP *-84°* CORE STORAGE *U-lake*  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
<i>62.7</i>	<i>-84°</i>	<i>—</i>

HOLE NO *1029* SHEET NO *2* of *4*  
 DRILL *Longyear Super 38*  
 DRILLER *Bradley Ross*  
 GEOLOGICAL LOG *Lawrence Halata*  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Graphic Log	LITHOLOGY												STRUCTURE			TEXTURE			ALTERATION			MINERALIZATION %			RADIOMETRIC DATA			ASSAY				
		Constituents %						Rock Type	Beeding	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No.	Cal. In.	Cal. Out.	Sample Number	U3O8 %	CPS	GLS-A					
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert																						Carbonate				
2.0																																	
1																																	
2																																	
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4.0																																	

*Glacial Overburden*

*Dolomite Algal Mat. Massive to Mod. vuggy minor faults have bent some lamellae. some buff alteration kaolinized? no talc or gypsum.*

*pink + white lamellae*

*peribonca*

*Minor Minor*

*slightly to moderate*

*35-40 cps*

Additional Data

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 32.4m
HOLE NO DDH-1029 TOTAL DEPTH 62.7m Date commenced 8/9/81
LOCATION L24700N, 5700W Date completed 10/9/81
Initial Azimuth INITIAL DIP -96 CORE STORAGE U-Lake
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY table with columns: DEPTH, DIP, AZIMUTH. Values: 62.7, -86, .

Main log table with columns: Core Cuttings, Lithology, Structure, Texture, Alteration, Mineralization, Radiometric Data, Assay. Includes handwritten notes and diagrams.

**DRILL HOLE RECORD**

**PANCONTINENTAL MINING (CANADA) LTD.**

PROJECT P.C. 2	PROPERTY Central Indicator	CASING LEFT 32.4 M	HOLE SURVEY	HOLE NO. 1029	SHEET NO. A	of 9
HOLE NO. DDH-1029	TOTAL DEPTH 62.7 M	date commenced 8/9/81	DEPTH 62.7	DIP -84	AZIMUTH	
LOCATION L24+00N 5700W	INITIAL DIP -90°	date completed 10/9/81				
Initial Azimuth	INITIAL DIP -90°	CORE STORAGE U-Lake	DRILL <i>Henry Super 3E</i>			
LATITUDE	DEPARTURE	ELEVATION	DRILLER <i>Bradley Bros</i>			
			GEOLOGICAL LOG <i>/ Howard Sarte</i>			
			RADIOMETRIC LOG			
			SAMPLED			
			ASSAYED			

Depth	Colour	Rock Unit	Graphic Log	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY												
				Constituents %						Bedding	Schistosity	Foliation	Quartz vein	Igneous	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	In:	Cal. Out:	Sample Number	U3O8 %										
				Mica	Chlorite	Graphite	Carbon	Clay	Ox/Cher																			Carbonate	Rock Type	Ion.	Alteration	Mineralization	Silicification	Pyrite	Chalcopyrite	Galena	U3O8
0																																					
1																																					
2	pink to greyish pink buff bands	Peribonca																																			
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
70																																					
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
0																																					

Additional Data

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Inducator CASING LEFT 4.2 M  
 HOLE NO 00H-1030 TOTAL DEPTH 40.9 m Date Commenced 18/9/81  
 LOCATION L19175N ; S440W Date Completed 18/9/81  
 Initial Azimuth — INITIAL DIP -90° CORE STORAGE U-Lake  
 LATITUDE — DEPARTURE — ELEVATION 572

HOLE SURVEY  
 HOLE NO 1030 SHEET NO 1 of 2  
 DRILLER Langley Super 38  
 GEOLOGICAL LOG Bradley Bays  
 RADIOMETRIC LOG Native habits  
 SAMPLED —  
 ASSAYED —

Depth	Graphic Log	LITHOLOGY									STRUCTURE				TEXTURE			ALTERATION				MINERALIZATION %				RADIOMETRIC DATA				ASSAY		
		Mica	Chlorite	Graphite	Carbon	Clay	Qz/Chert	Carbonate	Rock Type	Bedding	Schistosity	Brecciation	Faulting	Quartz vein	Asphalte	Calcite	Siliceous	Pyritic	Chert	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
0								Glacial																								
1																																
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																
17																																
18																																
19																																
20																																

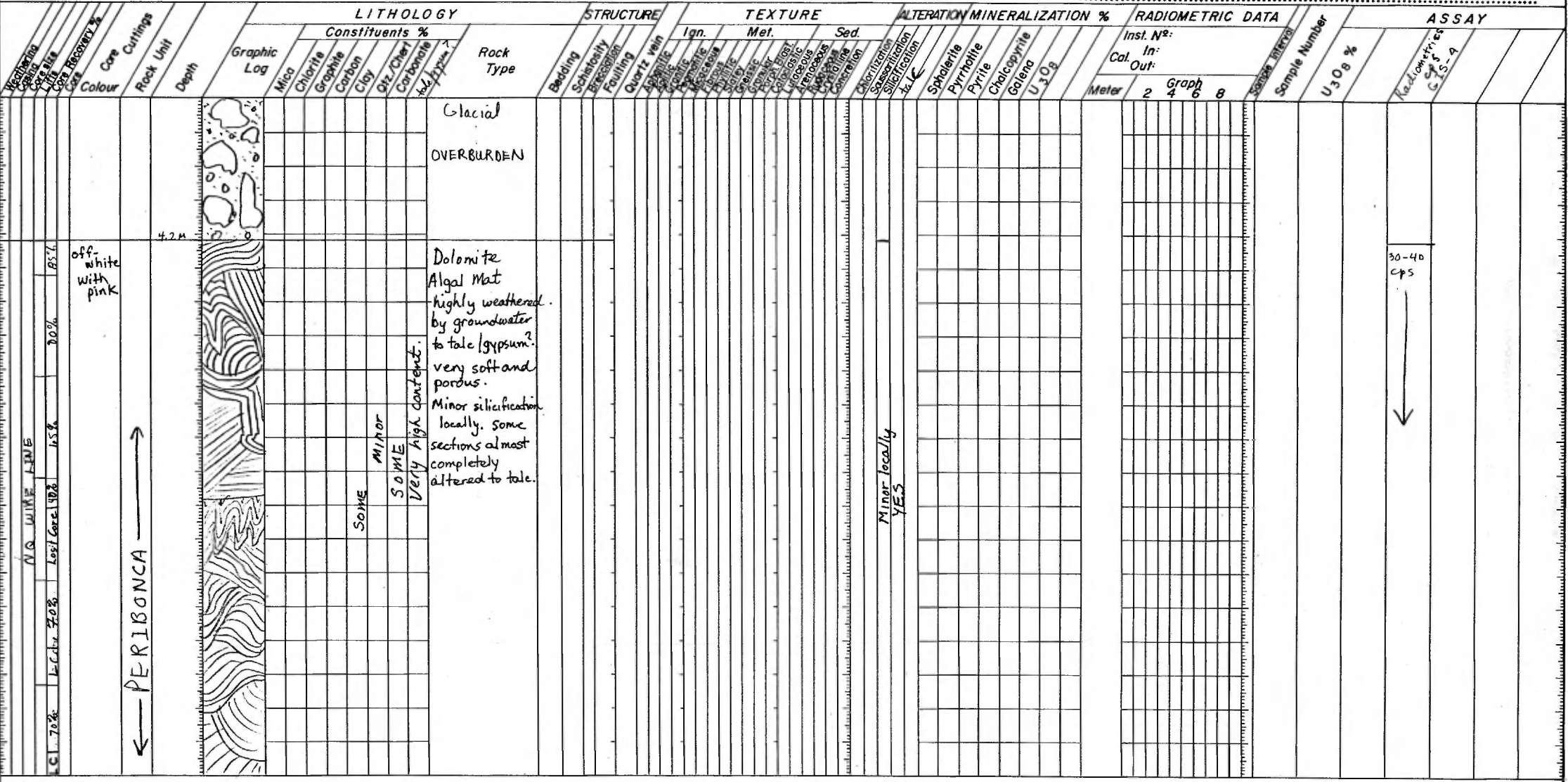
Additional Data

off-white with pink  
 4.2 M  
 Dolomite  
 Algal mat highly weathered by groundwater to talc/gypsum? very soft and porous.  
 Minor silicification locally. Some sections almost completely altered to talc.

← PERIBONCA →

Minor locally YES

30-40 cps  
 ↓



Additional Data



**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 12.7m  
 HOLE NO ADH-1031 TOTAL DEPTH 80.9M Date Commenced 15/9/81  
 LOCATION L 24700 8170 W Date Completed 16/9/81  
 Initial Azimuth \_\_\_\_\_ INITIAL DIP -90° CORE STORAGE V-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION 578.M

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
80.9	-90	-

HOLE NO 1031 SHEET NO 1 of 4  
 DRILL Lesqueux Super 38  
 DRILLER Bradley Bros.  
 GEOLOGICAL LOG Howard Leites  
 RADIOMETRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Graphic Log	LITHOLOGY						STRUCTURE				TEXTURE				ALTERATION MINERALIZATION %				RADIOMETRIC DATA				ASSAY		
		Constituents %						Bedding CA	Schistosity	Brecciation	Faulting	Quartz vein	Met.				MINERALIZATION %				RADIOMETRIC DATA		Sample Number	U3O8 %		
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert						Carbonate	Rock Type	Ign.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8			Inst. No.	Cal. In:
0																										
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										
17																										
18																										
19																										
20																										

Colour  
 Core Cuttings  
 Rock Unit  
 Depth

12.7  
 dk gray to dk Maroon  
 Peribonca  
 NS WIRE LINE  
 95 to 100%

Mica  
 Chlorite  
 Graphite  
 Carbon  
 Clay  
 Qtz/Chert  
 Carbonate

Rock Type  
 Glacial Overburden  
 argillite with pink carbonate rich frags. flame shaped.  
 minor secondary Carbonate + Mn.  
 10-30%

Bedding CA  
 Schistosity  
 Brecciation  
 Faulting  
 Quartz vein  
 Appalache  
 Igneous  
 Met.  
 Sed.  
 Alteration  
 Mineralization

Sphalerite  
 Pyrrhotite  
 Pyrite  
 Chalcopyrite  
 Galena  
 U3O8

Meter  
 Graph  
 Sample Number  
 U3O8 %

Inst. No.  
 Cal. In:  
 Cal. Out:

ASSAY  
 40-50 cps

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral

DATE: 05 JUL 1982  
 No G.M.: 38751

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Industries CASING LEFT 12.7 M  
 HOLE NO DNA-031 TOTAL DEPTH 80.9 M Date Commenced 15/9/81  
 LOCATION 24 100 W, 91 70 W Date completed 16/9/81  
 Initial Azimuth INITIAL DIP -90 CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
80.9 m	-90	

HOLE NO 1031 SHEET NO. 2 of 4  
 DRILL Langdon S. Smith  
 DRILLER Bradley P. W.  
 GEOLOGICAL LOG Howard Hobbie  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Colour	Rock Unit	LITHOLOGY					Rock Type	STRUCTURE		TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA				ASSAY						
			Graphic Log	Constituents %					Bedding CA	Schistosity	Fracturing	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	Cal. In:	Sample Number	U3O8 %	Radio-metric				
				Mica	Chlorite	Graphite	Carbon																			Clay	Otz/Chert	Carbonate	
0-1																													
2-3	pinkish dk grayish to Maroon	21.8 22.1																											
3-4																													
4-5																													
5-6																													
6-7																													
7-8																													
8-9																													
9-10	bright red	29.4																											
10-11																													
11-12	Maroon and Red.	31.8																											
12-13	Maroon with pink	32.7																											
13-14																													
14-15																													
15-16																													
16-17																													
17-18																													
18-19	brick red.	33.0																											
19-20																													
20-21																													
21-22																													
22-23																													
23-24																													
24-25																													
25-26																													
26-27																													
27-28																													
28-29																													
29-30																													
30-31																													
31-32																													
32-33																													
33-34																													
34-35																													
35-36																													
36-37																													
37-38																													
38-39																													
39-40																													

Additional Data

DRILL HOLE RECORD

PROJECT PC-2 PROPERTY Central Inducta CASING LEFT 12.7M HOLE NO. 004-1031 TOTAL DEPTH 80.9M Date commenced 15/9/81 HOLE SURVEY SHEET No. 2 of 4  
 LOCATION L2H00N, 8+70W date completed 16/9/81 DRILLER L. G. G. S. S. S. S. S.  
 Initial Azimuth INITIAL DIP -90° CORE STORAGE U-Lab 2 GEOLOGICAL LOG Keenan, L. White  
 LATITUDE DEPARTURE ELEVATION

DEPTH	DIP	AZIMUTH
80.9	-90	

Depth	Core Cuttings	Rock Unit	LITHOLOGY								STRUCTURE	TEXTURE										ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY							
			Graphic Log	Constituents %					Rock Type	Bedding / F		Schistosity / Precipitation	Faulting	Quartz vein / Argillite	Ign.			Met.			Sed.				Inst. No.	Sample Number	U308 %	Assay							
				Mica	Chlorite	Graphite	Carbon	Clay							Qtz/Chert	Carbonate	Pyrite	Pyrrhotite	Sphalerite	Pyrite	Chalcopyrite			Galena					U308	In:	Cal. Out:	Graph			
0-4.2	dk maroon with brick red fragments.																																		60-70 cps locally 85
4.2-48.5	buff off white to maroon	Peribonca																																70-80 cps	
48.5-58.6	pink to white minor dk maroon suture lines																																	30-40 cps	

Additional Data: No apparent faulting between argillite and dol.-carbonate in north east part of property.

DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 12.7M  
HOLE NO. DM-1031 TOTAL DEPTH 80.9M Date Commenced 15/9/81  
LOCATION L2400N, R170W Date Completed 16/9/81  
Initial Azimuth INITIAL DIP -90' CORE STORAGE W-Lake  
LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
20.9	-90	-

HOLE NO. 1031 SHEET NO. 4 OF 4  
DRILLER Gregory Ross  
GEOLOGICAL LOG Howard Kadar  
RADIOMETRIC LOG  
SAMPLED  
ASSAYED

Depth	Graphic Log	LITHOLOGY										STRUCTURE					TEXTURE			ALTERATION MINERALIZATION %						RADIOMETRIC DATA				ASSAY	
		Constituents %										Bedding	Schistosity direction	Folding (Fract)	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	Cal. In:	Cal. Out:	Sample Number	U3O8 %	Assay	
		Mica	Chlorite	Graphite	Carbon	Clay	Qz/Chert	Carbonate	Other	Rock Type																					
0		see previous page.										None seen																			
1												YES																			
2												YES																			
3												YES																			
4												YES																			
5												YES																			
6												YES																			
7												YES																			
8												YES																			
9												YES																			
10												YES																			
11												YES																			
12												YES																			
13												YES																			
14												YES																			
15												YES																			
16												YES																			
17												YES																			
18												YES																			
19												YES																			
20												YES																			
21												YES																			
22												YES																			
23												YES																			
24												YES																			
25												YES																			
26												YES																			
27												YES																			
28												YES																			
29												YES																			
30												YES																			

Additional Data  
80.9M

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT <u>PC-2</u>	PROPERTY <u>Central Indiana</u>	CASING LEFT <u>6.7M</u>	HOLE SURVEY	HOLE NO. <u>1032</u>	SHEET NO. <u>1</u> of <u>5</u>
HOLE NO. <u>PDH-1032</u>	TOTAL DEPTH <u>9.0M</u>	Date commenced <u>12/9/81</u>	DEPTH	DIP	AZIMUTH
LOCATION <u>2.2 x 5.0 N., 7.100 W.</u>	INITIAL DIP <u>-90°</u>	Date completed <u>13/9/81</u>	<u>90</u>	<u>-89°</u>	<u>—</u>
Initial Azimuth	INITIAL DIP	CORE STORAGE <u>U-lake</u>			
LATITUDE	DEPARTURE	ELEVATION <u>588 M</u>			

Depth	Colour	Core Cuttings	Rock Unit	Graphic Log	LITHOLOGY						STRUCTURE				TEXTURE			ALTERATION MINERALIZATION %					RADIOMETRIC DATA			ASSAY															
					Constituents %						Bedding	Schistosity	Foliation	Quartz vein	Icn.		Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. No:	In:	Cat. Out:	Sample Number	U3O8 %	Radioactive												
					Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert					Carbonate	Rock Type														Iron	Met.	Alteration	Mineralization	Meter	2	4	6	8	1	2	
0																																									
1																																									
2																																									
3																																									
4																																									
5																																									
6																																									
7																																									
8																																									
9																																									
10																																									
11																																									

Gray buff  
Some ochre  
- locally pink  
- some mottled  
areas.

100%

NO WIRE LINE

Perronca

Porcelainized  
Dolomite  
breccia  
Kalinized then  
silicified.  
trace algal mat  
(stromatolitic)  
17.3-18.3m  
breccial healed.  
20.3-25.2  
Core highly broken  
+ brecciated.  
possible fault at  
20.6-21.2  
- core with  
extensive buff  
to ochre.

cont'd next  
page

30-40  
cys

Additional Data

Ministère de l'Énergie et des Ressources  
Gouvernement du Québec  
Service du Potentiel minéral  
DATE: 05 JUL 1982  
No G.M.: 38751

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indiana CASING LEFT WTM  
 HOLE NO DDH-1032 TOTAL DEPTH 90.0m date commenced 12/9/81  
 LOCATION L22+50N 700W date completed 12/9/81  
 initial Azimuth INITIAL DIP -90° CORE STORAGE V-lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
90.0	-59	

HOLE NO 1032 SHEET NO 2 of 5  
 DRILL Langgans, Stephen J.  
 DRILLER Bradley, Ross  
 GEOLOGICAL LOG Howard Lake  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Cuttings	Rock Unit	Graphic Log	LITHOLOGY									STRUCTURE			TEXTURE										ALTERATION					MINERALIZATION %				RADIOMETRIC DATA				ASSAY	
				Constituents %									Bedding CA	Schistosity	Faulding	Ign.			Met.			Sed.				Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. N°:	Cal. In:	Graph	Sample Number	U3O8 %	Assay			
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate	Mg silicate	Other				Quartz vein	Amphibole	Granitic	Mylonitic	Schistose	Schistose	Schistose	Met.	Sed.	Sed.													Sed.		
				Yes	Some	Some																																		
10	buff gray off white							YES	SOME	SOME																									30.40 cps					
1																																								
2																																								
3																																								
4																																								
5	buff off white gray																																							
6																																								
7																																								
8																																								
9																																								
30																																								
1																																								
2																																								
3																																								
4																																								
5																																								
6																																								
7																																								
8																																								
9																																								
40																																								

Additional Data

N.G. WIRE LINE

Peribonca

Magnesian rock core shattered between 35.8-36.7  
Main zone of Magnesite

Healed fault

YES

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indiaro CASING LEFT 6.7m  
 HOLE NO 00H-1032 TOTAL DEPTH 90m Date Commenced 12/9/81  
 LOCATION 22250 N 7+00 W Date completed 13/9/81  
 Initial Azimuth \_\_\_\_\_ INITIAL DIP -90° CORE STORAGE W-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
90.0	-89	—

HOLE NO 1032 SHEET NO 2 of 5  
 DRILLER Longman Super 38  
 GEOLOGICAL LOG Knudsen, Lisa  
 RADIOMETRIC LOG Howard Lakota  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Colour	Core Cuttings	LITHOLOGY							Rock Type	STRUCTURE				TEXTURE			ALTERATION			MINERALIZATION %			RADIOMETRIC DATA				ASSAY		
			Graphical Log	Constituents %					Bedding		Schistosity	Brecciation	Faulting	Quartz vein	Aphanitic	Porphyritic	Crystalline	Igneous	Met.	Sed.	Sphaerulitic	Pyrrhotitic	Pyritic	Chalcocopyrite	Galena	U308	Inst. No.	Sample Number	U308 %	Assay
				Mica	Chlorite	Graphite	Carbon	Clay																						
			4.0	buff gray to pinkish yellowish gray																										
1																														
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
50																														
1																														
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
60																														

Additional Data

NO WIRE LINE  
100%

Peribonca

Shear Zone

possible re-sealed fault  
47.6-50.6.  
diss. galena, CPY, PY  
2-4% sulphides  
good ochre at  
50-50.3

53.0 m start of reddish hematite (minor).

Shear Zone 45° to 60°



# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 6.7m  
 HOLE NO DDH-1032 TOTAL DEPTH 90m date commenced 12/9/81  
 LOCATION 122+50N, 7100W date completed 12/9/81  
 initial Azimuth \_\_\_\_\_ INITIAL DIP -90° CORE STORAGE U-tube  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
76	-89	—

HOLE NO 1632 SHEET NO 5 of 5  
 DRILL Loggins Super 38  
 DRILLER Bradley Ross  
 GEOLOGICAL LOG Raymond Buhler  
 RADIO-METRIC LOG \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Colour	Rock Unit	Graphic Log	LITHOLOGY							STRUCTURE				TEXTURE			ALTERATION MINERALIZATION %							RADIO-METRIC DATA				ASSAY			
				Constituents %							Bedding	Schistosity	Foliation	Quartz vein	Ign.	Met.	Sed.	Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U3O8	Inst. N°:	Cal. In:	Cal. Out:	Sample Number	U3O8 %	Assay			
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonates																				Rock Type	Alteration	Mineralization
0	pink																															
1																																
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
90																																

Additional Data

NO WIRE LINE 95-100%  
 Peribona  
 90.0m  
 pink  
 Peribona  
 90-50 gs  
 615-4

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-2 PROPERTY Central Indicator CASING LEFT 1.5M  
 HOLE NO DH-1033 TOTAL DEPTH 25.3M date Commenced 22/9/81  
 LOCATION 1197 50 N 3130 W date Completed 23/9/81  
 initial Azimuth INITIAL DIP -90° CORE STORAGE U-Lake  
 LATITUDE DEPARTURE ELEVATION 572M

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
25.3M	90°	

HOLE NO 1033 SHEET No 1 of 2  
 DRILLER L. Gagnon  
 DRILLER Bradley  
 GEOLOGICAL LOG H. K. K. K.  
 RADIO-METRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Colour	Rock Unit	LITHOLOGY						Rock Type	STRUCTURE			TEXTURE			ALTERATION MINERALIZATION %			RADIO-METRIC DATA		ASSAY											
			Graphic Log	Mica	Chlorite	Graphite	Carbon	Clay		Qtz/Chert	Carbonates	Bedding	Schistosity	Faulting	Fract.	Quartz vein	Ign.	Mel.	Sed.	Sphaerulite	Pyrrhotite	Prite	Chalcocopyrite	Galena	U3O8	Inst. N°	Cal. In/Out	Sample Number	U3O8 %	Radiometrics		
0									Glacial																							
1									OVER BURDEN																							
4.6																																
5	gray off white some pink								Dol Breccia fairly massive with silicea																							
7.3	gray								Algal Mat (stromatolitic) locally brecciated.																							
10.6	dk gray								dol Breccia possibly reworked porous with excellent box work structure some chert. possible old healed fault 10.6-10.2M																							
17.9-18.2									altered zone with limonite.																							
18.0	pinkish pinkish gray								Peribonea Subarkose arkose sandstone.																							

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral  
 10 5 JUIL 1982

No G.M.: 38751

**DRILL HOLE RECORD**

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PL-2 PROPERTY Central Incline CASING LEFT 4.5M  
 HOLE NO DH-1033 TOTAL DEPTH 25.3 Date Commenced 22/9/81  
 LOCATION L19+50N 3+70W Date Completed 23/9/81  
 Initial Azimuth \_\_\_\_\_ INITIAL DIP -90° CORE STORAGE V-Lake  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_ ELEVATION \_\_\_\_\_

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
25.3	90°	-

HOLE NO 1033 SHEET NO 2 of 2  
 DRILL Longyear Super 38  
 DRILLER Bradley Prosser  
 GEOLOGICAL LOG \_\_\_\_\_  
 RADIOMETRIC LOG Howard Tait  
 SAMPLED \_\_\_\_\_  
 ASSAYED \_\_\_\_\_

Depth	Graphic Log	LITHOLOGY						STRUCTURE			TEXTURE			ALTERATION	MINERALIZATION %	RADIOMETRIC DATA		ASSAY				
		Constituents %						Bedding	Schistosity	Brecciation	Faulting	Quartz vein	Igneous			Metamorphic	Sedimentary		Inst. No:	Sample Number		
		Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert														Carbonate	Rock Type
20																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
0																						
Additional Data																						

20  
1  
2  
3  
4  
5  
6  
7  
8  
9  
0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
0

Weathering  
Core Size  
Core Recovery %  
Core Colour  
Core Cuttings

Peribonca  
25.3

17.9-18.2 altered with limonite. Core sandy friable

17.9-18.2 altered with limonite. Core sandy friable

Kw

17.9-18.2 altered with limonite. Core sandy friable

Bedding

Schistosity

Brecciation

Faulting

Quartz vein

Igneous

Metamorphic

Sedimentary

Alteration

Mineralization %

Radiometric Data

Assay

Inst. No:

Sample Number

U308 %

Assay

Assay

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT *PC-2* PROPERTY *Central Indicta* CASING LEFT *1.8m*  
 HOLE NO. *DDH 1034* TOTAL DEPTH *50.6m* Date Commenced *20/9/81*  
 LOCATION *L17+85N 5+80W* Date Completed *21/9/81*  
 Initial Azimuth INITIAL DIP *-90°* CORE STORAGE *V-lodes*  
 LATITUDE DEPARTURE ELEVATION *569M*

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
<i>50.6</i>	<i>-90</i>	

HOLE NO. *1034* SHEET NO. *1* of *3*  
 DRILLER *Kangyan Super 38*  
 GEOLOGICAL LOG *Howard beds*  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Core Cuttings	Rock Unit	Graphic Log	LITHOLOGY							Rock Type	STRUCTURE				TEXTURE						ALTERATION			MINERALIZATION %			RADIOMETRIC DATA				ASSAY							
				Constituents %								Bedding <i>F<sub>4</sub></i>	Schistosity	Foliation	Faulting	Quartz vein	Ign.			Met.			Sphalerite	Pyrrhotite	Pyrite	Chalcopyrite	Galena	U <sub>308</sub>	Inst. N <sup>o</sup> :			Sample Number	U <sub>308</sub> %	Assay					
				Mica	Chlorite	Graphite	Carbon	Clay	Qtz/Chert	Carbonate							Amphibole	Pyroxene	Olivine	Spinel	Ilmenite	Staurolite							Staurolite	Staurolite	Staurolite				Staurolite	Staurolite	Staurolite	Staurolite	Staurolite
0																																							
1																																							
2																																							
3																																							
4																																							
5																																							
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18																																							
19																																							
20																																							

Additional Data

Ministère de l'Énergie et des Ressources  
 Gouvernement du Québec  
 Service du Potentiel minéral  
 4 JUL 1982

No G.M. **38751**

30-40  
↓

# DRILL HOLE RECORD

PANCONTINENTAL MINING (CANADA) LTD.

PROJECT PC-7 PROPERTY Central Indicator CASING LEFT 1.8 m  
 HOLE NO RDH-1074 TOTAL DEPTH 50.6 m date commenced 20/9/81  
 LOCATION L. 17.85N., 57.82 W. date completed 21/9/81  
 initial Azimuth INITIAL DIP -98 CORE STORAGE V-Lake  
 LATITUDE DEPARTURE ELEVATION

HOLE SURVEY		
DEPTH	DIP	AZIMUTH
50.6	-90	-

HOLE NO 1074 SHEET NO 2 of 3  
 DRILL Longyear Green 38  
 DRILLER Bradley Hart  
 GEOLOGICAL LOG Howard Kubit  
 RADIOMETRIC LOG  
 SAMPLED  
 ASSAYED

Depth	Graphic Log	LITHOLOGY	STRUCTURE	TEXTURE	ALTERATION	MINERALIZATION %	RADIOMETRIC DATA				ASSAY		
							Inst. No.	In:	Cal:	Out:			
Depth	Graphic Log	Constituents %	Rock Type	Bedding / Schistosity / Foliation / Faulting / Fracturing / Quartz vein / Amphibole / Pyrite / Sphalerite / Chalcopyrite / U <sub>3</sub> O <sub>8</sub> / Calcite / Dolomite / Silica / MnO <sub>2</sub> / Magnetite / Hematite / Goethite / Limonite / Pyrrhotite / Chalcocyanite / Pyrite / Magnetite / Hematite / Goethite / Limonite / Pyrrhotite / Chalcocyanite / Pyrite	Sphalerite	Pyrrhotite	Pyrite	Chalcocyanite	Calcite	U <sub>3</sub> O <sub>8</sub>	Sample Number	U3O8 %	Max. Assay 5 G's GTS-4
2.0		dk purple to pink											
1													
2													
3													
4													
5													
6													
7													
8													
9													
30		late colour pink buff grayish pink to purplish											
1		purplish gray.											
2													
3													
4													
5		off white to pink											
6													
7													
8													
9		yellow white with gray pink											
40													

Additional Data



3-2-3-1

REPORT FOR URANIUM EXPLORATION IN  
THE OTISH-PAPASKWASATI AREAS  
NORTH-EASTERN QUEBEC, 1981

BY  
H.R. LAHTI  
SENIOR GEOLOGIST

Gm38751

3-2-3-1

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7. EM-16 Survey Map.
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## 1.0 INTRODUCTION

This report covers work done on the claim blocks in the Indicator and Indicator Lake area. The work done consisted of the following:

### Indicator Claims

- i) Re-chaining of the existing grids where required and fill-in lines were cut.
- ii) Scintrex of Toronto was contracted to conduct Gradient Array IP and magnetic IP (MMR/MIP) surveys supported by Pancon field personnel.
- iii) Diamond drilling of 2575 metres of NQ drill core.
- iv) Trenching over a radiometric ground anomaly.
- v) Boulder tracing.

### Indicator Lake Claims

- i) Re-chaining of old grid lines where required and fill-in line cutting contracted out.
- ii) Scintrex of Toronto was contracted to conduct a Gradient Array survey assisted by Pancon personnel, over the Lake Indicator South area. (Submitted in 1981.)
- iii) Detailed VLF and magnetics survey, Lake Indicator South.
- iv) Radiometric prospecting in Lake Indicator North and South.

## 1.1 Objectives of Program

### 1.1.1 Indicator Claims

- a) Rehabilitate existing grid and where necessary cut closer-spaced lines.
- b) Use Gradient Array resistivity and magnetometric resistivity IP to outline deep penetrative structures

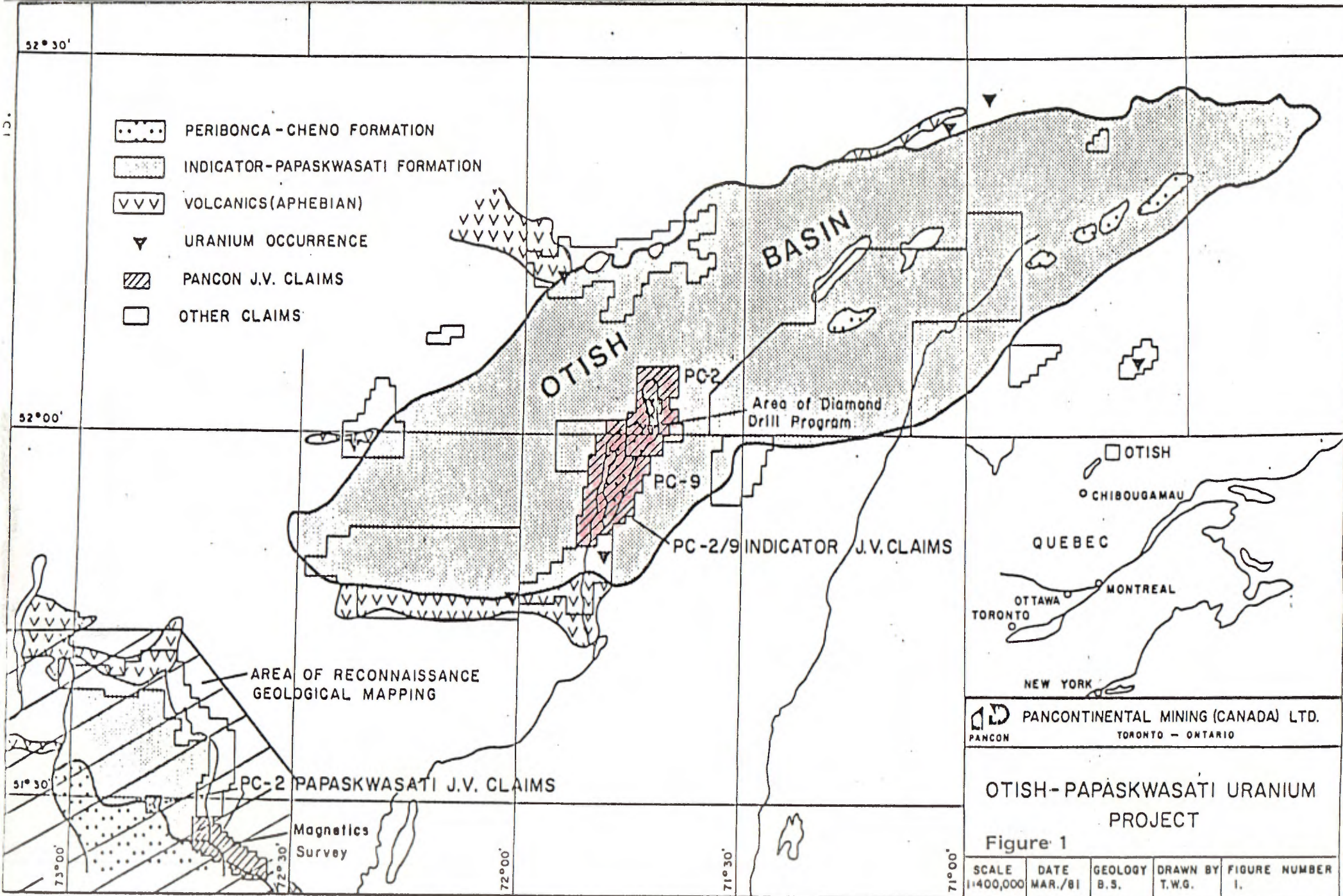
- c) Test the above geophysical targets by 800m of diamond drilling.
- d) Conduct Gradient array and MMR resistivity IP surveys in the Indicator South grid to delineate the best targets along a VLF identified structures.
- e) Drill five diamond drill holes (800m total) to test the best conductive zones along the large fault).
- f) The work was to be done between late February and September 30, 1981 including the spring break-up period.

### 1.1.2 Indicator Lake Claims

- a) Upgrade existing grid to give a line spacing of 150m.
- b) Conduct Gradient array resistivity IP survey over the grid in Indicator Lake South to define in greater detail VLF indicated structures located in a reconnaissance survey. (Submitted in 1981.)
- c) Conduct a detailed magnetics survey (proton precession magnetometer) and VLF to complement the information obtained in the resistivity IP survey by outlining small Conflans gabbro dykes.
- d) Conduct a radiometric prospecting program to identify radioactive boulders and outcrop in both Indicator Lake South and North area.
- e) Outline potential drill targets based on above work.

### 1.2 Location and Access

The project areas are situated in the James Bay territory of Northwestern Quebec, 340 km north of the Chibougamau mining community (Figure 1). A gravel road extends 170 km north of Chibougamau to the Temiscamie aircraft base. Propair Ltee. provides fixed-wing (float) service to this part of Quebec. A seasonal road from Temiscamie to Lake Indicator is projected for completion by the mid-1980's. The region includes one of the largest hydro-electric projects in the world.



### 1.3 Geography

#### 1.3.1 Topography

The Indicator-Lac X area of the Otish Mountains consists of old, uplifted river channels, sandy plains and large areas of outwash moraine. The local relief is very rugged with steep-sided hills rising 15 metres or more. The general elevation is about 575m with local hills exceeding 600m. A large valley extends down the Fault River from Lac X to Boundary River and on to Indicator Lake. On the east side of Indicator Lake there is a small area of flat lying sand plane which gives way to a rugged outwash area that increases 100m in elevation 2.5 km from Indicator Lake. The highest hills in the area are scraped clean by glaciation exposing resistant Indicator Fm quartzite, sandstone and arkose.

#### 1.3.2 Lakes and Streams

The prominent lake in the Central Indicator-Indicator Lake North and South areas is Indicator Lake. It is about 1-2 km wide and 12 km long. It occupies a low area in outwash sand. Most of the lake is very shallow. Other prominent lakes are U-Lake, the site of the main camp, and Lac-X in the extreme north. Numerous unnamed ponds are also found in this area.

The principal streams are the Boundary River and Fault River. These are shallow but fast flowing streams that flood extensively in spring break up.

The large lakes contain white fish, pike, pickerel, suckers and lake trout while all streams contain abundant speckled trout.

#### 1.3.3 Vegetation

The Pancon properties are well forested with fir, larch, and some aspen, birch and spruce. Dense, alder brush is found along streams and margins of some lakes. The trees are not large and are not of commercial value. Some of the higher hills have only stunted trees, bushes and grass cover. Forest fires have destroyed large sections of forest.

LIST OF CLAIMS STAKED - INDICATOR LAKE AREA 1978

369580 1-5	369626 1-5	369689 1-5	369723 1-5
369581 1-5	369627 1-5	369690 1-5	369724 1-5
369582 1-5	369628 1-5	369691 1-5	369725 1-5
369583 1-5	369629 1-5	369692 1-5	369726 1-5
369584 1-5	369630 1-5	369693 1-5	369727 1-5
369585 1-5	369631 1-5	369694 1-5	369728 1-5
369586 1-5	369632 1-5	369695 1-5	369729 1-4
369587 1-5	369652 1-5	369696 1-5	369804 1-2
369588 1-5	369653 1-5	369697 1-5	369810 1-3
369589 1-5	369654 1-5	369698 1-5	372189 1-5
369590 1-5	369655 1-5	369699 1-5	-----
369591 1-5	369656 1-5	369700 1-5	Total number of claims -
369592 1-5	369662 1-5	369701 1-5	531.
369593 1-5	369663 1-5	369702 1-5	
369594 1-5	369664 1-5	369703 1-5	
369595 1-5	369665 1-3	369704 1-5	
369596 1-5	369672 1-5	369706 1-5	
369597 1-5	369673 1-5	369707 1-5	
369598 1-5	369674 1-5	369708 1-5	
369599 1-5	369675 1-5	369709 1-5	
369600 1-5	369676 1-5	369710 1-5	
369601 1-5	369677 1-5	369711 1-5	
369602 1-5	369678 1-5	369712 1-5	
369603 1-5	369679 1-5	369713 1-5	
369604 1-5	369680 1-5	369714 1-5	
369605 1-5	369681 1-5	369715 1-5	
369606 1-5	369682 1-5	369716 1-5	
369607 1-5	369683 1-5	369717 1-5	
369621 1-5	369684 1-5	369718 1-5	
369622 1-5	369685 1-5	369719 1-5	
369623 1-5	369686 1-5	369720 1-5	
369624 1-5	369687 1-5	369721 1-5	
369625 1-5	369688 1-5	369722 1-5	

INDICATOR AREA

347104 1-5	369638 1-5	369618 1-5
347103 1-2	369636 1-5	369619 1-5
347102 1-5	369637 1-5	369620 1-3
347101 1-5	347111 4	396059 1-4
345700 1-3	347131 1-5	396058 1-5
345699 1-3	369650 1-5	396057 1-5
345696 4,5	369651 1,2	396056 1-5
345697 1-5	347130 1,2	396062 1-5
345698 1,2	347129 2-5	396061 1-5
369648 1,2	369635 1-5	396060 1-5
369647 1-5	369634 1-5	
369667 1-5	347136 1-5	
369668 1-5	347137 1,2	
369669 1-5	347133 3-5	
369646 1-5	347140 1-5	
369645 1-5	347141 1,2	
369644 1-5	369608 1-5	
369643 1-5	369609 1-5	
384054 1	369610 1-5	
369642 1-5	369611 1-5	
369641 1-5	347139 1-5	
369670 1-5	347138 1-5	
369671 1-4	347135 3-5	
369639 1-5	347121 3-5	
369640 1-5	347122 1	
347125 2	369633 1-5	
347123 1,4,5	369612 1-5	
347127 1	369613 1-5	
347126 5	369614 1-5	
369648 4,5	347117 5	
369649 1-5	347116 5	
347132 1-5	369615 1-5	
345698A 4	369616 1-5	
347128A 5	369617 1-5	

#### 1.3.4 Climate

The weather in this part of Quebec is strongly influenced by Hudson Bay to the west. Prevailing westerly winds pick up moisture and deposit it in the high ground in the Otish Mountains. Precipitation is heavy all year with up to 2.5m of snow in the winter common. December, January and February can be very cold with temperatures below  $-45^{\circ}\text{C}$ . In the summer, temperatures rarely exceed  $30^{\circ}\text{C}$ .

Spring break-up occurs usually in late May or early June and fall freeze-up in November. During these conditions fixed-wing aircraft cannot use the lakes for up to six weeks. All transportation must be done by skidoo or helicopter.

#### 1.4 Land Status

The claim block area consists of 840 contiguous claims (with an area) equal to approximately 135 square kilometres. (See Claim Maps 1 and 2 in back of report).

<u>Claim Group</u>	<u>Number of Claims</u>	<u>Area Sq. Km.</u>
Indicator	309	50
Indicator Lake	531	85

#### 1.5 Personnel

The following Pancon personnel contributed to the 1981 exploration program in the Otish Mountains.

Bert Starke - Exploration Manager

Mike Atkins - Chief Geologist

Howard Lahti - Senior Geologist, acting Project Geologist

Neil Novak - Geologist - worked mainly in the Papaskwasati area

Dave Bутtenham - Field Assistant - expeditor

John Del Degan - Geological assistant, student (temporary employment)

Charlie Coonishish-Coon - Prospector (temporary employment)

John Coonishish-Coon - Prospector (temporary employment)

Norman Coonishish-Coon - Prospector (temporary employment)

Harry Coonishish-Coon - Prospector (temporary employment)

## 2.0 EXPLORATION PROGRAM: INDICATOR AREA (SOUTH)

### 2.1 Introductory Statement

Results obtained in previous seasons' work indicated a strong geochemical anomaly (stream sediment and water) focusing on a large fault extending from U-Lake, 2 km to the north. The target area was drilled and sub-economic uranium mineralization was intersected in DDH-1005 in the fault zone breccia.

With a length greater than 2000 metres and a width of up to 50 m, it was concluded that in light of the previous drill results, detailed gradient array IP and magnetometric IP resistivity surveys be conducted over the fault to geophysically map in detail the variation in resistivity, along the strike and at depth. Using these results at least five drill holes would be targeted to intersect the fault at various locations along strike and at various depths. The area immediate to DDH-1005 would be redrilled to confirm the earlier drill results. The prime target would be areas along the fault that are sealed from percolating ground water or protected U mineralization by a capping of Peribonca sedimentary rocks or a thick layer of impervious clay.

### 2.2 Data Presentation

#### 2.2.1 Geophysical Data

Scintrex aided by Pancon personnel conducted a Gradient Array IP resistivity survey followed subsequently by a Magnetometric IP resistivity and Magnetic Induced MIP Polarization survey (see report in Appendix).

The former technique was used to identify the zones of maximum conductivity (minimum resistance). These zones could then be tested by the MMR/MIP\* technique which gives pseudo sections of the variation in conductivity with depth.

\*MMR/MIP magnetometric resistivity IP and magnetometrically induced polarization.

The two surveys identified a long conductive zone ( $\approx 3$  km long) from the centre of U-Lake extending to the Central Indicator area. Along this zone, sections of very high conductivity were located, e.g., 4+50S to 7+50S with minimum conductivity indicated by MMR/MIP, N=2 (at depth) at L 10+50S, 4+50W and L+00S, 5+50W.

The two surveys confirmed the presence of a major fault extending across U-Lake to the Central Indicator area 2 km to the north. The special MMR technique also indicated a large variation in thickness and conductivity of the fault along strike and a similar vertical variation, although the depth cannot be accurately gauged. This information was used to assist in locating drill targets in both highly conductive areas and in relatively resistive areas. The location of drill holes are found on Map 4, and the drill results are discussed in Section 2.2.3.

### 2.2.2 Geology

The regional geology (Map 5) shows a strong NNW-SSE fault separating the younger 4A<sub>1</sub> Peribonca subarkose, arkose, aeolian sandstone from a down-faulted block of the Indicator Fm, 3B<sub>1</sub>. Along the fault and a short distance to the east 4A<sub>3</sub>, dolomitic grit, etc., was mapped from limited reverse circulation drilling. A small pocket of 4A<sub>3</sub> was mapped just to the east of the grid base line at the southern end. The geology is difficult to map accurately due to lack of outcrops and the similarity between the units.

The geological model predicted a concentration of U at the intersection of the fault and possibly the earliest Peribonca-Indicator Fm interface and extending downward. At best there would be a thin veneer of Peribonca subarkose, sandstone that would have sheltered a uranium deposit from ground water erosion.

### 2.2.3 Diamond Drilling

Six drill holes totalling 782.3 m were put down along the fault to test the geological model for a uranium deposit along a poorly sealed or capped fault (Map 3). The geophysical data was used to locate various targets

### 3.0 EXPLORATION PROGRAM - INDICATOR LAKE AREA (CENTRAL)

#### 3.1 Data Presentation

##### 3.1.1 Geophysics

The gradient array IP survey was done first to verify the originally identified VLF (Geonics EM-16) conductors and to possibly identify others that had been missed. Within the large 150m grid spacing an area, L19+50N to L21+50N was covered by a 50m grid spacing.

After the Gradient IP resistivity data was received and plotted, subsequently two MMR/MIP setups were used to cover the most obvious conductors. All relevant geophysical data are found in the Scintrex geophysical report and the drill hole locations are found on Map 4.

After interpreting the results of 10 diamond drill holes that had tested both geophysical and geologic targets it was apparent that some of the weaker MMR/MIP anomalies were not related to fault structures. It appears buried porous rubble zones gave weak MMR/MIP results probably due to the ground water being saturated with salts and clay. This technique also identified argillite-dolomite contacts if there was an abrupt increase in the depth of the more conductive argillite.

In summary, the various geophysical techniques identified the targets postulated to exist in the original geologic working model. Unfortunately, the weak-to-highly conductive rubble zones and faults did not contain significant concentration of uranium. To date, all economic grade uranium mineralization has been located in silicified rock. Although some of the uranium is in faults and breccia zones, these are silicified and do not show a resistivity contrast with the surrounding silicified host rock. Future exploration will have to depend to a larger degree on the interpretation of the structure, alteration zones and distribution of the altered carbonate rocks.

### 3.1.2 Geology

#### 3.1.2.1 Regional Geology

The claims cover a portion of a down faulted block of Aphebian Otish Group Indicator and Peribonca Formation sedimentary units. Indicator sandstones with Conglomerates, form the lower part of this sedimentary sequence. Basal Indicator Formation polymictic conglomerates unconformably overlie Archaean Superior Province, gneisses, granites and metavolcanics.

Peribonca Formation red aeolean arkosic sandstones conformably overlie the Indicator Formation units. These dunal facies sandstones are overlain by karsted algal dolomite. The uppermost Peribonca Formation red argillaceous sandstone lies directly over both the dolomite and aeolean sandstone units.

A major N.S. trending fault zone extends along the length of the west side of the claim block. Gabbro dykes, trending sub-parallel to the major fault zone intrude the Otish Group sediments along the east side of the claim block.

#### 3.1.2.2 Local Geology

The Central Indicator area is primarily located over one of the preserved down-faulted blocks that has escaped total destruction (Map 5). The E-W sections show the Peribonca carbonate rocks and argillite to increase in thickness to the west. As one progresses from the north (L25+50N) to the south, (L21+00N) the carbonate rocks and overlying argillite reaches maximum thickness of about 70 m each. Southward, the Peribonca rocks thin out rapidly to the Boundary River L15+00N where a fault cuts off the sequence.

The basin is asymmetric and takes the form of a half graben. The complex re-arrangement of small blocks of the Peribonca Formation is due to the major NNW-SSE, almost E-W faults and shallow angle 45° to 15° thrust faults. It is also suspected that there was some strike slip movement along the NNW-SSE faults.

The faulting history is lengthy with many of the old Proterozoic faults reactivated several times probably up to the retreat of the last ice age. This would be due primarily to isostatic rebound which is known to be quite large in this part of Quebec. There are numerous thrust faults of a shallow angle  $\pm 15^\circ$  within the carbonate rocks but apparently not in the overlying Peribonca argillite-siltstone sequence. There are several turbidites of about 2-3 metres thick in the argillite-siltstone unit. These are, however, not common.

### 3.1.2.3 Economic Geology

In 1981 concurrent with the drilling program it was decided to employ an expert boulder tracer to examine the boulder trains. Dr. Lu Bayrock from Vancouver was hired to examine the boulders to try to determine if they came from a local source on Pancon's claims. The head of the boulder train was found and subsequent trenching revealed an irregularly mineralized zone about 8 m long by 2 m wide. The carbonate rock is extensively silicified with hematite filled cracks.

The pit must be systematically sampled to a depth of at least a metre to obtain an idea of what grade is to be expected from this type of deposit.

Three diamond drill holes, DDH-1028, 1028A and 1022 intersected in bedrock two to three times background radiation over short intervals. Two occur in argillite dolomite contact area, and one is in maroon argillite above the silicified carbonate rocks.

## 3.2 Conclusions

- o Uranium occurs as Francevillite and an unknown mineral in a non-stoichiometric proportion of U, Ba, Mg, O, V along a weathered paleokarsted surface.
- o Uranium occurs at the surface of the silicified-magnesium rich dolomite with a very erratic distribution.

- o The faults with low resistivity are generally open with oxidizing water flowing through them. It is highly unlikely that any uranium mineralization would be found in the reactivated faults.
- o The area with the best potential occurs in an area that lies north of DDH-1028, 1028A and adjacent to DDH 1032, 1014, 1015, 1013, and the two pits.
- o Weak mineralization was encountered in DDH-1028, 1028A and 1022.

### 3.3 Recommendations

- 1) A limited drilling program be carried out in February - March 1982 to evaluate the area from the new pit up to DDH-1028, 1028A. If possible, the area north of DDH-1028 to the northern claim boundary should also be evaluated by diamond drilling.
- 2) The new pit be sampled in a systematic way in February - March.

## 4.0 EXPLORATION PROGRAM INDICATOR LAKE (NORTH AND SOUTH) AREA

### 4.1 Introductory Statement

This section deals with the results of a Scintrex supervised Gradient Array resistivity IP, detailed VLF and magnetics survey done by Pancon personnel. The results of the radiometric prospecting by the Natives is also discussed.

### 4.2 Data Presentation

#### 4.2.1 Geophysics

##### 4.2.1.1 Detailed Magnetic and VLF Survey

During the months of June, July and August, Pancon geologists and natives surveyed a grid from L111+50S to L60+00S in the north. About 75 km of grid line was examined. No magnetic base station was used.

The magnetic survey generally gave a flat response over most of the survey area, (Map 6). The strongest magnetic anomaly occurs on L109+50S and 108+00S about 1.5 to 1.6 km east of the base line. This slight anomaly is in an area where gabbro float was mapped. In summary, the detailed magnetic survey did not add much useful information.

The detailed VLF survey confirmed the existence of very long conductors parallel to the local bedding (Map 7). The new and old VLF survey data shows the conductive features to be displaced with respect to the conductive zones detected by the Gradient Array IP survey (Scintrex report submitted in 1981).

The significance of the geophysical surveys is difficult to determine because of the few outcrops and ubiquitous deep overburden. Undoubtedly some of the VLF and possibly the I.P. results reflect surface phenomena such as clay layers, but most are probably large faults. Several drill holes would be required to test some of the features to see if they are of possible economic importance.

#### 4.2.2 Geochemistry

The geochemical anomaly detected in 1978 in a stream between 85+50S and L81+00S is attributed to uranium concentrated in the organics of the sediment. The uranium is probably being leached out of Indicator Fm sandstones, subarkose and arkose. Rock chip samples collected in 1981 from float in this area, with sample number 8908, 8913, 8920 and 8911 gave uranium assay results of 38, 26, 18 and 12.6 ppm respectively. This amount of uranium in a large volume of rock can easily give stream sediment anomalies. The rock chip sampling also located numerous other radioactive float including Indicator Fm conglomerates and iron formation (hematite). From the rounded appearances of the radioactive boulders it appears unlikely they came from a local source.

In order to assist in locating the source of the boulder group, Dr. Lu Bayrock examined the boulders. He concluded from their roundness, hardness and absence of numerous smaller radioactive boulders that the source had to be a minimum of 3 km to the north. Comparing these boulders with those found in Central Indicator, Soquem and Pancon claim at Lac-X it was concluded they must have come from one of those areas. The boulders are large, highly silicified and could easily have been rafted down from the north during the last ice age.

On L-31+50S, 11+00E and on L45+50S, 16+50E large Indicator Fm sandstone, quartzite and subarkose outcrop was discovered. These outcrop give radiometric measurements of 100-850 cps. One grab sample (8910) gave an assay of 24.0 ppm U.

#### 4.2.3 Geology

In 1981 a systematic search for radioactive boulders and outcrop was conducted by native prospectors under the supervision of John Del Degan. This was done due to the scarcity of outcrop in the area.

The majority of boulders in the area are Indicator Fm quartzite, polymitic conglomerate, arkose and subarkose. Several well-rounded large blocks of Peribonca altered carbonate rocks were also found. No Peribonca argillite float was discovered. Therefore, the evidence for Peribonca Fm rocks is based on indirect geophysical measurements (based on Scintrex report submitted in 1981).

The other major rock type found in the area is the Conflans Gabbro dykes. It appears gabbro has intruded irregularly along the more deep-seated faults (Map 8).

#### 4.3 Conclusions

- o Geophysical surveys conducted by Scintrex and Pancon personnel identified long narrow conductive zones parallel to sub-parallel to the local strike of the bedding.
- o The detailed VLF survey done in 1981 confirmed the previously detected conductors found during a reconnaissance VLF survey in 1978.
- o The detailed magnetic survey done in 1981 showed the area to be magnetically flat.
- o The geological contact between 4A (Peribonca) and 3A (Indicator) Formation is based on geophysical data. Spot checking of outcrops on L72+00S suggests if the Peribonca rocks are indeed in the area they would be found as isolated pockets.
- o Radioactive boulders, conglomerate quartzites, Iron Formation, etc. appears to have come from a distant source. Similarly, dolomite (altered carbonate rock) boulders also may have come from as far away as the Lac-X region.
- o To confirm the presence of Peribonca argillite and dolomite one or more drill holes should be put down in the area of lowest resistivity.
- o Boulders examined by Dr. Lu Bayrock were determined to originate from a source a minimum of 3 km to the north. They could have come from the Central Indicator, Soquem or Lac-X areas.

#### 4.4 Recommendations

- 1) Drill one to three diamond drill holes into the best conductors.
- 2) Depending on time and budget constraints, do additional detailed mapping and boulder tracing.