

Diamond Drill Record

LOCATION: LP-0 2+50W			HOLE NO: 86-AOR PL5	Page 1 of 4
AZIMUTH: 220°	DIPS - collar 45°	CONTRACTOR: ARCTIC DIAMOND DRILLING	PROPERTY: ARBOR PLINC	
ELEVATION:	- 350 ft 59°	LOGGED BY: S. TOMLINSON	CLAIM NO. PLINC 21	
LENGTH: 360.5 FEET	- m °	DATE: SEPTEMBER 25, 1986	SECTION NO.	
CORE SIZE: n Q	- m °		STARTED: SEPTEMBER 23, 1986 10:00	
PURPOSE: TO TEST ON INDUCED POLARIZATION ANOMALLY			COMPLETED: SEPTEMBER 25, 1986 02:00	

Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from Xft	to Xft		from Xft	to Xft		Thickness mm	Angle to core	minerals in decreasing abundance
0	20	Casing - no core.						
20	213	Phlogopitic quartz muscovite schist. Quartz and muscovite form distinctive layer. Phlogopite forms lamellae and individual flakes; accounts for 10% of core. Minor textural variations; banding may weaken, especially in bottom 20 feet of core. Schistosity to C.A.: 15°, well developed. Recovery: 20 - 25 = 2.5/5 25 - 32.5 = 6.5/7.5 32.5 - 35.5 = 2.5/3 35.5 - 41.5 = 100% 41.5 - 45.5 = 3/4 45.5 - 52.5 = 6.5/7 52.5 - 57 = 3/4.5 57 - 72 = 100% 72 - 76 = 5/6 76 - 119 = 100% 119 - 126.5 = 7/7.5 126.5 - 360.5 = 100%	20	58	Weathered zone. Core is slightly rusty, moderately fractured. Iron oxidation most prevalent along fracture surfaces. Pyrite occurs as disseminated crystals and globular stringers; less than 1% of core. Pyrrhotite occurs as disseminated blebs; less than 1% of core. Very minor chalcopyrite as small globules. Rusty iron oxidation along fractures that are often sub-parallel core axis. Calcite vug. Very coarse grained (to 1 cm), euhedral calcite crystals with minor fine grained pyrite coating. Quartz vein; coarse grained, 1 cm wide, at 90° to C.A. Minor galena globules.			
			58	213				
			131.5	132				
			173.5	174.5				

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from mft	to mft		from mft	to mft		Thickness mm	Angle to core	minerals in decreasing abundance
213	222	Phlogopitic quartz muscovite/ chlorite schist. Muscovite, chlorite, and phlogopite all form lamellae inbetween quartz bands. Phlogopite lamellae are less continuous; accounts for 20% of core. Schistosity to C.A.: 8°, may be moderately convoluted. Upper contact at 39° to C.A.	198	200	Oxidized zone; fractures sub- parallel core axis; iron oxidation along fractures and also pervasive.			
			207.5	211	Oxidized zone; pervasive rustiness; very rusty along fractures that are sub- parallel core axis; core may be crumbly. Up to 20% massive pyrite, some stockwork in quartz.			
			214.5	217	No visible sulfides. Quartz vein; coarse grained, 10% calcite, some of which has weathered but as vugs to 1 cm. No visible sulfides.			
222	242	Quartz muscovite schist. Quartz and muscovite form weak bands. Minor chlorite with muscovite lamellae. Schistosity to C.A.: 40°, only moderately developed. Upper contact at 18° to C.A.			Pyrrhotite occurs as disseminated globules parallel schistosity, occasionally as 1 mm wide stringers. Accounts for 2% of core. A few fractures sub-parallel core axis; rusty coating along fracture surfaces.			

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from mft	to mft		from mft	to mft		Thickness mm	Angle to core	minerals in decreasing abundance
242	258	Quartzite. Quartz-rich rock with 10% muscovite lamellae. No schistosity. Upper contact at about 35° to C.A., irregular, gradational.			Disseminated pyrrhotite, 1% of core, concentration varies. Pyrite occurs mostly stock-work stringers up to 5 mm wide. Also as isolated globules. Makes up 7% of core. A few small vugs with quartz druse lining. A few rusty fracture surfaces. Minor calcite stringers.			
258	273.5	Phlogopitic quartz muscovite schist. Muscovite plus minor chlorite form bands and lamellae inbetween quartz bands. Phlogopite forms lamellae and also isolated flakes to 15% of core. Bands are irregular and discontinuous. Schistosity is very poor as layers are extremely convoluted.			Pyrite occurs as disseminations, very minor. Minor galena as globules in foliaform quartz. Minor pyrrhotite.			
273.5	295	Phlogopitic quartz muscovite/ chlorite schist. Muscovite and chlorite layers are interlayered with quartz bands. Phlogopite occurs as lamellae and flakes; 20% of core. Schistosity to C.A.: sub-parallel C.A.; irregular.			A few fractures parallel core axis. No visible sulfides.			

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Section		ROCK DESCRIPTION	Interval		ALTERATION. MINERALIZATION etc.	VEINLETS		
from Rft	to Rft		from xxft	to Rft		Thickness mm	Angle to core	minerals in decreasing abundance
295	327	Phlogopitic quartz muscovite schist. Muscovite plus minor chlorite lamellae between quartz bands. Phlogopite forms lamellae and flakes for 10% of core. In sections, very quartz rich to 70% of core. Schistosity is very weak, from 65° to C.A. to sub-parallel C.A.			Pyrite occurs as disseminations, occasionally as globules up to 1 cm in quartz bands, but less than 1% of core. Also, a few stringers. Quartz veins (or pods) up to 4 cm wide, usually barren of sulfides. Minor carbonates as globules and bands.			
327	360.5	Phlogopitic quartz muscovite/ chlorite schist. Phlogopite, muscovite, and chlorite all form lamellae and bands. Quartz forms bands and pods to 5 cm. Phlogopite totals 20% of core; also occurs as flakes. Schistosity to C.A.: varies from sub-parallel to 31° to C.A.; often very convoluted.	335	338	Minor disseminated pyrrhotite; less than 1% of core. A few pyrite stringers. A few calcite bands; some rhodochrosite. Slight shear zone; core is highly fractured, crumbly, and in places clayey. Very black; may be chlorite and phlogopite rich. A few quartz pods or veins to 15 cm, but no sulfides.			

Assay Data Sheet

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											HOLE NO	PL #5	Page 1	of 4
From m ft	To m ft	Length m ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	xxxxx Rock	Sample Number		
20	26										phl qms	37613F		
26	31										phl qms	37615		
31	36										phl qms	37615		
36	41										phl qms	37616		
41	46										phl qms	37617		
46	51										phl qms	37618		
51	56										phl qms	37619		
56	61										phl qms	37620		
61	66										phl qms	37621		
66	71										phl qms	37622		
71	76										phl qms	37623		
76	81										phl qms	37624		
81	86										phl qms	37625		
86	91										phl qms	37626		
91	96										phl qms	37627		
96	101										phl qms	37628		
101	106										phl qms	37629		
106	111										phl qms	37630		
111	116										phl qms	37631		
116	121										phl qms	37632		
121	126										phl qms	37633		
126	131										phl qms	37634		
131	136										phl qms	37635		
136	141										phl qms	37636		

Assay Data Sheet

											HOLE NO	PL #5	Page 2 of 4	
From m ft	To m ft	Length m	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Rock	Sample Number		
141	146										phl qms	37637F		
146	151										phl qms	37638		
151	156										phl qms	37639		
156	161										phl qms	37640		
161	166										phl qms	37641		
166	171										phl qms	37642		
171	176										phl qms	37644		
176	181										phl qms	37645		
181	186										phl qms	37646		
186	191										phl qms	37647		
191	196										phl qms	37648		
196	201										phl qms	37649		
201	207.5										phl qms	37650		
207.5	211										phl qms	37651	fracture zone-py rich	
211	213										phl qms	37652		
213	217										phl qm/chl s	37653	qtz vein	
217	222										"	37654		
222	227										qms	37655		
227	232										qms	37656		
232	237										qms	37657		
237	242										qms	37658		
242	244										Qtzite	37659		
244	246										Qtzite	37660		
246	248										Qtzite	37661		

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From ft	To ft	Length ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Assay Rock	Sample Number		
248	250										Qtzite	37662F		
250	252										Qtzite	37663		
252	254										Qtzite	37664		
254	256										Qtzite	37665		
256	258										Qtzite	37666		
258	263										phl qms	37667		
263	268										phl qms	37668		
268	273.5										phl qms	37669		
273.5	278										phl qm/chls	37670		
278	283										"	37671		
283	288										"	37672		
288	292										"	37673		
292	295										"	37674		
295	300										phl qms	37675		
300	305										phl qms	37676		
305	310										phl qms	37677		
310	315										phl qms	37678		
315	320										phl qms	37679		
320	324										phl qms	37680		
324	327										phl qms	37681		
327	332										phl qm/chls	37682		
332	335										"	37683		
335	338.5										"	37684		
338.5	343										"	37685		

Assay Data Sheet

											HOLE NO	PL #5	Page 4	of 4
From m ft	To m ft	Length m	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	As ppm Rock	Sample Number		
343	348										phl qm/chls	37686F		
348	353										"	37687		
353	357										"	37688		
357	360.5										"	37689		