Diamond Drill Record

LOCATION: LP1S 1+29W			HOLE NO. 86-AOR PL3 Page 1 of 4
AZIMUTH: 040°	DIPS – collar 60 °	CONTRACTOR: ARCTIC DIAMOND DRILLING	PROPERTY: ARBOR-PLINC
ELEVATION:	– 292 ~~m~~ ft 67 °	LOGGED BY: S. TOMLINSON	CLAIM NO. PLINC 23
LENGTH: 292 FEET	– m °	DATE: SEPTEMBER 22, 1986	SECTION NO.
CORE SIZE: n Q	– m °		STARTED: SEPTEMBER 19, 1986
PURPOSE: TO TEST AN INDUCED POLARIZATION ANOMALY			COMPLETED: SEPTEMBER 20, 1986

Section from ~~m~~ ft	Section to ~~m~~ ft	ROCK DESCRIPTION	Interval from ~~m~~ ft	Interval to ~~m~~ ft	ALTERATION, MINERALIZATION etc.	VEINLETS Thickness mm	VEINLETS Angle to core	VEINLETS minerals in decreasing abundance
0	28	Casing - no core.						
28	192	Chloritic quartz muscovite schist. Muscovite forms thin bands and lamellae, coarse crystals. Some chlorite is interlayered with muscovite. Quartz forms mostly thin bands between muscovite, but also forms augens to 1 cm wide, especially in top 70 feet of section. Quartz also forms thick foliaform bands to 15 cm. Minor calcite disseminated throughout, especially around quartz bands. Percentages are: Quartz = 45% Quartz bands = 5% Muscovite = 35% Chlorite = 5% Calcite & Others = 10% Also, minor mariposite as bands and pods up to 1 cm. Schistosity to C.A.: approximately 90°, well developed except where quartz augens are common.	28	42	Iron oxidation. Core is pervasively rusty, with rustiness most prevalent along fracture surfaces. Core is also highly fractured parallel schistosity, so that no section is longer than 5 cm, except for some quartz bands. Core may also be crumbly or clayey.			
			42	192	Pyrite occurs as disseminated cubes to 3mm, averages less than 1% throughout core, but increases towards bottom of section, where it may concentrate as high as 2%. Pyrrhotite occurs as disseminated globules elongate parallel schistosity, averaging 2% of section.			
			124		Quartz vein or pod, 10 cm long, coarse grained, a vuggy fracture has fine grained pyrite.			
			125.5		Quartz vein or pod, 10 cm long, with minor pyrite, galena, and pyrrhotite as irregular globules. Total sulfides are less than 1%.			

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Section from ft	Section to ft	ROCK DESCRIPTION	Interval from ft	Interval to ft	ALTERATION, MINERALIZATION etc.	VEINLETS Thickness mm	VEINLETS Angle to core	VEINLETS minerals in decreasing abundance
		Recovery: 28 - 32 = 100% 32 - 40 = 7/8 40 - 152 = 100% 152 - 162 = 6/10 162 - 182 = 100% 182 - 192 = 9/10	99.5		Shear zone about 5 cm wide, clayey, with a 5 mm wide pyrrhotite stringer nearby.			
			161	166.5	Slight shear zone. Core is highly fractured parallel schistosity into sections less than 5 cm long. Also, crumbly and clayey sections. Poor core recovery.			
192	231.5	Sheared chloritic quartz muscovite schist. Finely laminated chloritic quartz muscovite schist that has been sheared. Longest section is less than 10 cm long, and much of core is crumbly and clayey. Poor core recovery. Schistosity to C.A.: 90°, very regular. A few blue quartz eyes. Core Recovery: 192 - 200 = 100% 200 - 208 = 2.5/8 208 - 215.5 = 100% 215.5 - 219.5 = 3/4 219.5 - 231.5 = 100%			Whole section has been altered - either heavily fractured or sheared into clay. Minor rhodochrosite as pods or bands. Pyrite occurs as disseminated cubes, accounts for 1% to 2% of core. Pyrrhotite occurs as elongate globules, accounts for less than 1% to 2% of core.			
			215.5	217.5	Quartz forms augens; pyrite rich. Disseminated cubes are concentrated to 7%.			
231	244.5	Phlogopitic quartz muscovite schist. Muscovite forms bands and lamellae to 3 mm. Some chlorite is interlayered with muscovite. Quartz forms mostly small bands and augens up to 5 mm wide.			Pyrite occurs as disseminated crystals; accounts for 1% of core.			
			240.5	241	Quartz vein, barren.			
			243	243.5	Quartz vein, barren, but adjacent country rock has pyrite as stringers concentrated to 5%.			

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Section from ft	Section to ft	ROCK DESCRIPTION	Interval from ft	Interval to ft	ALTERATION, MINERALIZATION etc.	VEINLETS Thickness mm	VEINLETS Angle to core	VEINLETS minerals in decreasing abundance
		Phlogopite forms small (1 mm) flakes, elongate parallel schistosity, disseminated. Percentages: Quartz = 45% Muscovite = 35% Chlorite = 5% Phlogopite = 10% Others: 5% Minor calcite as blebs in quartz bands. Schistosity to C.A.: 78°, moderately well developed. Core Recovery: 231.5 - 244.5 = 100%						
244.5	292	Quartz muscovite schist. Muscovite forms lamellae to 2 mm. Quartz forms bands and pods to 5 mm. Calcite occurs as blebs. Quartz concentrates to 70% of core between 269 feet to 271 feet. Schistosity to C.A.: 76°, planar but weak due to amount of quartz. Recovery: 244.5 - 247 = 100% 247 - 250 = 2/3 250 - 261 = 10/11 261 - 292 = 100%			Pyrite occurs as disseminated cubes for 1% of core. Pyrrhotite occurs as disseminated globules for 2% of core.			
			247	247.5	Quartz vein. With coarse grained calcite areas to 3 cm, some of which have weathered out leaving vugs. Calcite accounts for 10% of vein.			
			247.5	251	Fracture zone. Core has been fractured into pieces less than 5 cm, sometimes crumbly.			
			255.5		Quartz/calcite pod. 50% is coarse grained calcite, some of which has weathered out. 1 cm wide.			
			256		Quartz pod, 4 cm wide. With 10% calcite blebs to 2 cm, magnetite globules to 2 mm account for less than 1% of core.			

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Section		ROCK	Interval		ALTERATION,	VEINLETS		
from ft	to ft	DESCRIPTION	from ft	to ft	MINERALIZATION etc.	Thickness mm	Angle to core	minerals in decreasing abundance
			256.5		Quartz vein, 10 cm long with 10% calcite blebs. Pyrite globules to 1 cm, 1% of vein.			
			272.5	274	Quartz vein. Intermittent (some country rock within vein zone), upper contact at 60° to C.A., irregular. 10% calcite blebs to 1 cm. Pyrrhotite globules and irregular stringers to 5mm, 1% of vein. Very minor chalcopyrite and galena globules			
			282		Quartz vein, 6 cm wide, at 55° to C.A.; barren but pyrrhotite concentrated to 5% in country rock at edges.			
			283		Quartz vein or pod, 10 cm long, barren but pyrrhotite concentrated to 5% in country rock at edges.			

Assay Data Sheet

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From m	To m	Length m	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	As ppm	Sample Number		
28	32	4									chl qms	37471F	rusty	
32	38	6									chl qms	37472	rusty	
38	43	5									chl qms	37473	rusty	
43	48	5									chl qms	37474		
48	53	5									chl qms	37475		
53	58	5									chl qms	37476		
58	63	5									chl qms	37477		
63	68	5									chl qms	37478		
68	73	5									chl qms	37479		
73	78	5									chl qms	37480		
78	83	5									chl qms	37481		
83	88	5									chl qms	37482		
88	93	5									chl qms	37483		
93	98	5									chl qms	37484		
98	103	5									chl qms	37485		
103	108	5									chl qms	37486		
108	113	5									chl qms	37487		
113	118	5									chl qms	37488		
118	123	5									chl qms	37489		
123	128	5									chl qms	37490		
128	133	5									chl qms	37491		
133	138	5									chl qms	37492		
138	143	5									chl qms	37493		
143	148	5									chl qms	37494		

Assay Data Sheet

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From m ft	To m ft	Length m ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	As ppm Rock	Sample Number		
148	153	5									chl qms	37495F		
153	160	7									chl qms	37496		
160	165	5									chl qms	37497		
165	170	5									chl qms	37498		
170	175	5									chl qms	37499		
175	180	5									chl qms	37500		
180	185	5									chl qms	37501		
185	189	4									chl qms	37502		
189	192	3									chl qms	37503		
192	197	5									chl qms	37504	shear zone	
197	208	11									chl qms	37505	revoery - sheared	
208	213	5									chl qms	37506	sheared	
213	215.5	2.5									chl qms	37507	sheared	
215.5	217.5	2									chl qms	37508	sheared	
217.5	222.5	5									chl qms	37509	sheared zone	
222.5	227	4.5									chl qms	37510	shear zone	
227	231.5	4.5									chl qms	37511	shear zone	
231.5	237	5.5									qms	37512	phlogopite	
237	241	4									qms	37513	phlogopite	
241	244.5	3.5									qms	37514	phlogopite	
244.5	250	5.5									qms	37515	qtzitic	
250	255	5									qms	37516	qtzitic	
255	260	5									qms	37517	qtzitic	
260	265	5									qms	37518	qtzitic	

Assay Data Sheet

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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	Rock	Sample Number		
265	270	5									qms	37519F	quartzitic	
270	275	5									qms	37520	quartzitic	
275	280	5									qms	37521	quartzitic	
280	285	5									qms	37522	quartzitic	
285	289	4									qms	37523	quartzitic	
289	292	3									qms	37524	quartzitic	