

## Diamond Drill Record

LOCATION: 15W; 11+85N		Diamond Drill Record				HOLE NO.86 SST 2		Page 1 of 8		
AZIMUTH: 188		DIPS - collar 50 °		CONTRACTOR: ARCTIC DIAMOND DRILLING		PROPERTY: SILVER SCEPTRE				
ELEVATION:		- 591 ft 68 °		LOGGED BY: WENDY SISSON		CLAIM NO. 9				
LENGTH: 591 FEET		- m °		DATE: DECEMBER 10, 1986		SECTION NO. PENIBE				
CORE SIZE: n Q		- m °				STARTED:				
PURPOSE:						COMPLETED:				
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
0	11	Casing								Recovery:
11	150	Quartzite. Cream to pale green, fine grained, thinly layered appearance, sucrosic texture. Rock is very competent, hard with massive appearance. Coarse brittle fracture. Compositional layering is fairly well defined with contrasting layers of quartz, quartz-rich layers and quartz-rich micaceous layers. Quartz layers are suspected to carry minor Kspar (10%). Micaceous layers are predominantly quartz with 30 - 40% muscovite. Layers average .2 - .4 cm thickness. Layers are distorted into fairly tight minor folds and small kink folds. Schistosity to C.A. is variable 0° - 40°. Rock is made up of approximately 70 - 80% quartz.		11	67	Rock affected by near surface weathering with rusty iron staining prevalent along fracture surfaces, minor MnO staining also. Intermittent zones of section have been affected by clay-rich alteration commonly seen along fracture surfaces with rusty staining. Very weak, finely disseminated pyrite throughout, less than 1%. Minor quartz-carbonate stringers crosscutting and parallel to foliation, less than or equal to 1% of section.				11 - 77 = 100% 77 - 87 = 8' 87 - 88 = 1' 88 - 91 = 1 1/2' 91 - 94 = 100% 94 - 96 = 1' 96 - 141.5 = 100% 141.5 - 145 = 3 145 - 172 = 100%
				11	150					

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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
150	195	<p>The ratio of quartz: quartz-muscovite layers is 7:3. Intermittent, short intervals of rock where muscovite layers become more numerous and rock approaches a schist. Rock has possibly been silicified, may have originally been quartz muscovite schist.</p> <p>Siliceous quartz muscovite schist. Contact with overlying quartzite is gradational. Distinction between units based on greater % muscovite and muscovitic layers and better defined foliation/schistosity. Rock similar to quartzite, competent, massive in appearance, fine grained, well foliated, pale green. Compositional layers are well defined with contrasting muscovite layers and quartz, quartz-rich layers. Muscovite layers make up 50% of section. Rock fractures parallel to micaceous layers and has coarse fracture crossing foliation. Quartz rich layers are suciosic in texture, suspected to carry lesser Kspar, layers make up 50% of section. Quartz approximately 60%</p>			<p>Short intermittent sections affected by fracturing and clay-rich alteration, zones 2 - 6" long, make up 3% - 5% of section. Very minor, finely disseminated pyrite, less than 1% throughout.</p>			145 - 212 = 100%

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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
195	249	<p>Muscovite approximately 25 - 30% Layering shows folding with schistosity to C.A. variable 0° - 40°. Layer thickness variable from .1 to 1.0 cm, averaging .2 to .4 cm thick.</p> <p>Quartzite. Massive, pale green, competent rock, fine grained with seicomic texture. Contact with overlying unit is gradational and distinction is determined by increased quartz content yielding a more massive/less schistose rock. Quartz approximately 70 - 80% of rock, found as quartz and quartz-rich layers (plus minor Kspar) and with muscovite in micaceous layers. Compositional layering is fairly well defined with contrasting layers of muscovite and quartz and quartz-rich material, ratio approximately 1:2. Quartzose layers approximately .4 cm thick on average, micaceous layers approximately 1. - .2 cm thick on average. Layering is folded into minor folds with schistosity to C.A. variable 0° to 40°.</p>			<p>Weakly developed, finely disseminated pyrite, less than 1% throughout section. Minor intermittent zones of fractured, clay altered rock, approximately 3% of section. Minor quartz stringers and veins, average 1 cm thick, 1% of section, crosscutting and parallel to foliation. Muscovitic layers affected by minor sericitic/clay alteration along fracture surface towards base of section. Towards base note increase in disseminated pyrite to 1%. Minor quartz-carbonate stringers approximately 1% of section, crosscutting and parallel to foliation.</p>			<p>172 - 212 = 100% 212 - 259 = 100%</p>

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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
236	239	Rock has coarse fracture across foliation, minor platy fracture parallel to foliation. Some quartz-muscovite layers have minor chlorite constituent. Towards base of unit, note increase in muscovitic layers, better defined foliation. Find short zone of siliceous quartz muscovite schist at 236 feet to 239 feet.						
249	255	Siliceous Quartz Muscovite Schist. Contact with overlying unit is gradational. Pale green fine grained, foliated rock with well defined compositional layering of contrasting quartz-rich and muscovite layers. Quartz-rich layers average .2 to .4 cm thick and make up approximately 60% of section. Muscovitic layers are .1 to .4 cm thick on average and comprise foliation 40% of section. Layers are deformed into fairly tight minor folds with schistosity to C.A. variable from 30° to 60°. Rock is competent with platy fracture parallel to foliation and coarse fracture crosscutting foliation. Rock is still quite siliceous yielding massive appearance.			Pyrite disseminated weakly through section approximately 1%. Muscovitic layers affected by weak sericitic/clay alteration along foliaform fracture surfaces. Quartz-carbonate stringers crosscutting and parallel to foliation approximately 1% of section.			212 - 259 = 100%

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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
255	300	Siliceous Quartz Muscovite Schist with Sericite. Rock unit very similar lithologically to overlying rock type. Sericite becomes well developed within pale green muscovitic layers. Sericite gives silvery white coloration to rock as well as greasy/talcy texture to foliation surfaces. Muscovitic layers approximately 30 - 40% of rock with muscovite: sericite = 1:1 (+ chlorite locally) Muscovitic/sericitic layers .1 to .4 cm thick. Quartz-rich layers 60 - 70% of rock section, .2 to .7 cm thick. Rock is fairly competent with platy fracture along foliation surfaces. Layering deformed showing minor folding, schistosity to C.A. is variable at 30° to 50°.	278	290	Pyrite weakly disseminated throughout approximately 1%. Badly fractured rock from 278 - 290, host rock fragments separated by sericitic/clay-rich material along fractures, still self supporting. 278 - 281 fragments are 1 cm on average, approximately 90% of section with 10% matrix material (sericite/clay). Possible shear zone(?). Also note weak quartz-carbonate veining (approximately 1% of section), partially fragmented in parts, veins 1" average. Quartz-carbonate stringers also noted, crosscutting and parallel to foliation, approximately 1% of section.			259 - 265 = 5' 265 - 275 = 100% 275 - 281 = 5' 281 - 286 = 1' 286 - 291 = 4.5' 291 - 332 = 100%
281	286	Black Graphitic Schist. (withing SQMS unit) Very badly ground core, poor recovery (less than 2 feet). Black, fine grained, well foliated rock, sooty texture. Appears to have been badly fractured also. May have compositional layering of quartz-rich vs graphitic material. Very bad core here. Graphitic section within possible shear zone mentioned above.						



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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
300	405	Siliceous Quartz Muscovite/300 Schist. Pale green, fine grained, well foliated, competent rock. Compositional layering well defined by contrasting layers of quartz-rich material and muscovite. Quartz-rich layers are suspected to carry Kspar (10-15%) plus quartz (45 - 50%) of rock total, layers are .2 to .5 cm thick on average. Muscovite layers .1 to .3 cm on average, muscovite approximately 35 - 45% of section. Layering deformed into minor folds. Schistosity to C.A. variable 10° to 50°. Rock still quite siliceous with coarse fracture across foliation, platy fracture parallel to foliation.	328	341.5	Very weakly disseminated pyrite through section, less than 1%. Weak quartz-carbonate veining through section (approximately 1 - 2%). Veins are fragmented commonly with fine muscovite-rich partings developed along fracture surfaces. Veins appear to be barren. Become more prevalent towards base of section. Average 1/2 to 3 cm thick. Weak clay alteration of muscovite locally. Section of badly fractured SQMS, fractures crosscut foliation. Sericitic/clay-rich partings along fracture surfaces. Rock still self supporting. Fragments average 2 - 4 cm in size, 95% or rock.			291 - 332 = 100% 332 - 337 = 4.5' 337 - 347 = 9.5' 347 - 376 = 100% 376 - 382 = 5' 382 - 407 = 100%
402.5	412	Shear Zone. Gauchy, very soft, friable clay-rich section of rock.						407 - 412 = 4'
402.5	405	Top of section is sheared SQMS, pale green to cream clayey section with small fragments of SQMS set in clay matrix, fragments .2 to 1 cm on average approximately 50%. Fragments mostly of quartz-rich constituent of SQMS rock.						

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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
405	412	Black sooty, sheared graphitic schist rock, very clay-rich gauchy with matrix material up to 70%. Fragments are well rounded to subangular .2 to 1 cm on average. At top note severely altered fragments of SQMS set in black graphitic gauchy matrix. Also note well rounded fragments of quartz (minor). Towards base of shear fragments are made up of angular pieces of graphitic schist.			Note extensively disseminated pyrite throughout sheared graphitic section, 2 - 3%.			
412	500	Black Graphitic Schist. Fine grained, well foliated fairly competent rock, sooty. Rock has compositional layering defined by quartz-rich layers (approximately 40-50% of section) and graphitic material surrounding them. Quartz-rich layers are deformed into minor fold structures and are commonly fragmented and discontinuous, partings of graphitic material commonly crosscuts these. Quartz-rich layers average .1 to .3 cm thick. Graphitic layers are .2 to .5 cm on average. Layers are moderately deformed with local sections of intense deformation. Schistosity to C.A. is variable 40° to 60°. Rock has platy fracture parallel to foliation.			Rock has pyrite disseminated throughout, 2 - 3%. Also note subhedral crystals of pyrite .2 to .5 cm developed within graphitic and sometimes quartz-rich layers, brings percentage up to 3 - 5% locally).  Minor quartz-carbonate stringers crosscut layering approximately 1% of section .1 - .3 cm wide. Towards base of section, note quartz veining moderately well developed, veins 2 to 8" thick, average 4", 5% of section after 465 feet. Composed of translucent to opaque white quartz, commonly fractured with minor creamy carbonate. No mineralization noted.			412 - 433.5 = 100% 433.5 - 438 = 100% 438 - 450 = 100% 450 - 453.5 = 100% 453.5 - 462 = 5' 462 - 497 = 100% 497 - 505 = 7'

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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
500	591	<p>Siliceous Quartz Sericite Schist. Light grey, fine grained, well foliated. Compositional layering defined by quartz-rich layers separated by sericitic partings. Quartzose layers average .2 to .5 cm thick, approximately 70 - 80% of rock, suspected to carry Kspar. Sericitic layers average .1 to .2 cm thick, 20 - 30% of rock, carry minor pale green muscovite. Layering deformed into minor folds. Schistosity to C.A. is 35° to 50°. Sericitic partings have greasy texture, rock often fractures parallel to these. Rock is competent overall.</p>	494	500	<p>Badly fractured/fragmented host rock in gauzy/clay-rich matrix. Probable SHEAR ZONE. Fragments are 80% of zone and zone appears to be fragment supported for the most part. Fragments .2 to 2 cm in size. Pyrite finely disseminated throughout 2 - 3%</p> <p>Pyrite found throughout section, disseminated and as poorly developed foliaform stringers (less than 1 mm thick). Pyrite approximately 2 - 3%. Section has intermittent zones of weak fracturing with clay alteration, totalling 1-2% of section, becoming more prominent towards base of section. Minor quartz and calcite stringers parallel and cross-cutting foliation, less than 1% of section.</p>			<p>505 - 527 = 100% 527 - 566 = 100% 566 - 569 = 100% 569 - 581 = 100% 581 - 586 = 4' 586 - 591 = 100%</p>



## Assay Data Sheet

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											HOLE NO	SST #2	Page 1	of 6
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		
11	16	5									Qtzite	36891G		
16	20	4									Qtzite	36892		
20	24	4									Qtzite	36893		
24	28	4									Qtzite	36894		
28	33.5	5.5									Qtzite	36895		
33.5	37.5	4									Qtzite	36896		
37.5	42.5	5									Qtzite	36897		
42.5	46	3.5									Qtzite	36898		
46	51.5	5.5									Qtzite	36899		
51.5	55	3.5									Qtzite	36900		
55	59	4									Qtzite	36901		
59	63	4									Qtzite	36902		
63	67	4									Qtzite	36903		
67	70.5	3.5									Qtzite	36904		
70.5	76	5.5									Qtzite	36905		
76	82	6									Qtzite	36906		
82	87	5									Qtzite	36907		
87	92.5	5.5									Qtzite	36908		
92.5	97.5	5									Qtzite	36909		
97.5	101.5	4									Qtzite	36910		
101.5	106	4.5									Qtzite	36911		
106	111	5									Qtzite	36912		
111	115.5	4.5									Qtzite	36913		
115.5	120	4.5									Qtzite	36914		

## Assay Data Sheet

											HOLE NO	SST #2	Page 2 of 6	
From ft	To ft	Length ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Rock	Sample Number		
120	124.5	4.5									Qtzite	36915G		
124.5	129	4.5									Qtzite	36916		
129	133.5	4.5									Qtzite	36917		
133.5	138	4.5									Qtzite	36918		
138	144	6									Qtzite	36919		
144	150	6									Qtzite	36920		
150	155.5	5.5									sil qms	36921		
155.5	161	5.5									sil qms	36922		
161	166	5									sil qms	36923		
166	171	5									sil qms	36924		
171	175	4									sil qms	36925		
175	179.5	4.5									sil qms	36926		
179.5	183.5	4									sil qms	36927		
183.5	189.5	6									sil qms	36928		
189.5	195	5.5									sil qms	36929		
195	199.5	4.5									Qtzite	36930		
199.5	204	4.5									Qtzite	36931		
204	209	5									Qtzite	36932		
209	212.5	3.5									Qtzite	36933		
212.5	217	4.5									Qtzite	36934		
217	221.5	4.5									Qtzite	36935		
221.5	226	4.5									Qtzite	36936		
226	230.5	4.5									Qtzite	36937		
230.5	236	5.5									Qtzite	36938		

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											HOLE NO	SST #2	Page 3	of 6
From m ft	To m ft	Length m ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Assay Rock	Sample Number		
236	239	3									sil qms	369396		
239	243.5	4.5									Qtzite	36940		
243.5	249	5.5									Qtzite	36941		
249	255	6									sil qms	36942		
255	261	6									sil qms	36943	w. ser	
261	267.5	6.5									sil qms	36944	w. ser	
267.5	271.5	4									sil qms	36945	w. ser	
271.5	278	6.5									sil qms	36946	w. ser	
278	281	3									sil qms	36947	w. ser; fractured	
281	286	5									graph s	36948		
286	290	4									sil qms	36949	w. ser; fractured	
290	295	5									sil qms	36950	w. ser	
295	300	5									sil qms	36951	w. ser	
300	304	4									sil qms	36952		
304	310	6									sil qms	36953		
310	315	5									sil qms	36954		
315	319	4									sil qms	36955		
319	324	5									sil qms	36956	fractured	
324	328	4									sil qms	36957		
328	332	4									sil qms	36958		
332	337.5	5.5									sil qms	36959		
337.5	342	4.5									sil qms	36960	fractured	
342	347.5	5.5									sil qms	36961		
347.5	351.5	4									sil qms	36962		

## 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	XXXXX Rock	Sample Number		
351.5	355.5	4									sil qms	369636		
355.5	360	4.5									sil qms	36964		
360	364.5	4.5									sil qms	36965		
364.5	369	4.5									sil qms	36966		
369	374	5									sil qms	36967		
374	377	3									sil qms	36968		
377	383	6									sil qms	36969		
383	387.5	4.5									sil qms	36970		
387.5	392.5	5									sil qms	36971		
392.5	397	4.5									sil qms	36972		
397	402.5	5.5									sil qms	36973		
402.5	405	2.5									shear	36974		
405	412	7									shear	36975		
412	416.5	4.5									graph s	36976		
416.5	421	4.5									graph s	36977		
421	425	4									graph s	36978		
425	429	4									graph s	36979		
429	434	5									graph s	36980		
434	439	5									graph s	36981		
439	443	4									graph s	36982		
443	447.5	4.5									graph s	36983		
447.5	452	4.5									graph s	36984		
452	456.5	4.5									graph s	36985		
456.5	464	7.5									graph s	36986		



## Assay Data Sheet

											HOLE NO SST #2		Page 5 of 6	
From m ft	To m ft	Length m ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Assay Rock	Sample Number		
464	469	5									graph s	36987G		
469	474	5									graph s	36988		
474	478	4									graph s	36989		
478	483	5									graph s	36990		
483	487.5	4.5									graph s	36991		
487.5	492	4.5									graph s	36992		
492	494	2									graph s	36993		
494	500	6									shear	36994		
500	506	6									sil q ser s	36995		
506	511	5									sil q ser s	36996		
511	515.5	4.5									sil q ser s	36997		
515.5	520	4.5									sil q ser s	36998		
520	524.5	4.5									sil q ser s	36999		
524.5	529	4.5									sil q ser s	37000		
529	533.5	4.5									sil q ser s	37001		
533.5	537.5	4									sil q ser s	37002		
537.5	542	4.5									sil q ser s	37003		
542	547	5									sil q ser s	37004		
547	551.5	4.5									sil q ser s	37005		
551.5	556	4.5									sil q ser s	37006		
556	560.5	4.5									sil q ser s	37007		
560.5	565	4.5									sil q ser s	37008		
565	570	5									sil q ser s	37009		
570	574	4									sil q ser s	37010		

Assay Data Sheet

											HOLE NO	SST #2	Page 6	of 6
From ft	To ft	Length ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Rock	Sample Number		
574	578.5	4.5									sil q ser s	37011G		
578.5	582.5	4									sil q ser s	37012		
582.5	586	3.5									sil q ser s	37013		
586	591	5									sil q ser s	37014G		