

## Diamond Drill Record

87 AOR KDR #1

LOCATION: L15N;7+15E				Diamond Drill Record				HOLE NO. KDR #1		Page 1 of 4	
AZIMUTH: 272				DIPS - collar 50 °		CONTRACTOR: ARCTIC DIAMOND DRILLING				PROPERTY: KANGELD	
ELEVATION:				- m °		LOGGED BY: S. TOMLINSON				CLAIM NO. 31	
LENGTH: 444 FEET				- m °		DATE: JANUARY 11, 1987				SECTION NO. "98" CLAIMS	
CORE SIZE: n Q				- m °						STARTED:	
PURPOSE: TO SAMPLE EASTERN SEGMENT OF A BROAD CHARGEABILITY ZONE.								COMPLETED:			
Section		ROCK		Interval		ALTERATION		VEINLETS			
from xft	to xft	DESCRIPTION		from xft	to xft	MINERALIZATION etc.		Thickness mm	Angle to core	minerals in decreasing abundance	
0	20	Casing.		0	243	Rock is affected by rusty brown limonite staining concentrated along fracture surfaces parallel-				Recovery:	
20	370	Quartz Muscovite Chlorite Schist. Pale grey green, fine to medium grained, well foliated, competent fairly massive rock. Compositional layering defined by contrasting muscovite lamellae and quartz rich layering. Muscovitic layers are 3 mm on average up to 1.5 cm, comprise 40 to 50% of section. Quartz rich layers are .3 to .5 cm on average, up to 1 cm, 50 - 60% of section. Layers are strongly deformed into minor fold structures causing angle to C.A. to be variable between 0° and 40°. Kspar is suspected to be carried within quartz rich layers.				ing and crosscutting foliation. Weak carbonate found with limonites. Staining approximately 5 - 10% of section. Forms fine partings less than or equal to 1 mm thick on average. Surface of core has pitted appearance in weather section. Minor MnO mineralization found with limonite staining less than or equal to 1% of section. Minor quartz carbonate stringers noted throughout section parallelling and crosscutting foliation. Average 1 - 2 mm on average, comprise 1 - 2% of section. Quartz carbonate vein noted at 111 - 117, composed of white translucent to opaque quartz with minor blebby cream carbonate concentrations (less than 5%). Besides limonite stain along fracture surfaces, vein appears				20 - 25 = 4.5' 25 - 31 = 2' 31 - 37 = 6' 37 - 41 = 2.5' 41 - 45 = 1' 45 - 65 = 16' 65 - 75 = 6' 75 - 85 = 7' 85 - 95 = 100% 95 - 146 = 100% 146 - 155 = 5' 155 - 161 = 4.5' 161 - 171 = 100% 171 - 175 = 3' 175 - 184 = 9' 184 - 191 = 7' 191 - 211 = 17.5' 211 - 215 = 4' 215 - 222 = 6' 222 - 233 = 9.5' 233 - 243 = 5' 243 - 253 = 8' 253 - 263 = 100% 263 - 313.5 = 100% 313.5 - 318 = 100% 318 - 375 = 100%	
71	98.5	Section of quartz muscovite chlorite schist with quartz segregations as foliaform lensoidal pods and layers. Carry minor carbonate as creamy opaque blebby concentrations. Segregations average .3 to 1 cm in thickness up to 2 cm in thickness, comprise 15 - 20%									

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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
263	288	<p>of section. Boxworks are found within segregations yielding vuggy appearance in parts. Thought to be pre-metamorphic, layers seen to be deformed with surrounding rock, ductile and brittle deformation noted. Section of altered quartz muscovite chlorite schist doesn't show chlorite development well due to alteration. In fresh section note muscovitic layers carrying 30-50% chlorite yielding darker green appearance for higher percentages. Note graphitic section within quartz muscovite chlorite schist where carbonaceous material/graphite is developed along fracture surfaces and weakly within micaceous layers. Graphite approximately 5% of this section. Note rock becoming more chloritic towards base of section. Has gradational contact with underlying unit. Contact is approximate.</p>	235	243	<p>void of mineralization. Minor boxworks found with zndzry staining coating them. Pyrite poorly developed within altered upper section, disseminated less than or equal to 1% of section. After 243 feet, pyrite becomes better developed as disseminated crystals and as fine foliaform stringers, 1 - 2% of section until 265 feet approximately, after this note increase in pyrite average to 2 - 3% with localized intervals of quartz muscovite chlorite schist with pyrite up to 5% (i.e., 283 - 288 feet). Note for higher percentages find pyrite as blebby concentrations also. Note badly fractured host rock with compositional layers fragmented into angular fragments averaging 1 cm x 2 cm in size. Pieces don't appear rotated. Rock is still self-supporting with graphitic micaceous material between fragments.</p>			

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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
370	444	<p>Quartz Chlorite Muscovite Schist Rock very similar to overlying unit, distinction based on increased chlorite. Green to grey, fine to medium grained rock, well foliated competent. Compositional layering defined by contrasting quartz rich and chloritic layers. Quartz rich layers average .3 to .5 cm thick, up to 2 cm, approximately 60% of section, thought to carry Kspar. Chloritic layers are .2 to .4 cm thick on average up to 2 cm, approximately 40% of section.</p>	329	335	<p>Entire section subject to minor quartz carbonate veining, less than 1% of section averaging 1 - 2 inches thick, opaque to translucent white quartz with blebby cream carbonate, carry minor pyrite. Note rock is weakly magnetic, thought to be due to weak concentration of pyrrhotite, (approximately less than or equal to 1%).</p> <p>Pyrite disseminated throughout 1 - 2%, also as weak foliaform stringers less than or equal to 1 mm thick. Quartz carbonate stringers throughout section 1 - 2%, less than or equal to 1 mm thick on average.</p>			375 - 444 = 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
		<p>Muscovite in chloritic layers, 20 - 40% of layer variable throughout.</p> <p>Compositional layers show strong deformation into minor fold structures, causing angle to C.A. to be variable between 10° to 40°.</p> <p>Minor poddy lensoidal quartz carbonate segregations, appear to be deformed with surrounding rock, possibly pre-metamorphic. Show both ductile and brittle deformation.</p>						



## 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		
20	25	5									qmcs	37212G		
25	40	15									qmcs	37213		
40	50	10									qmcs	37214		
50	56	6									qmcs	37215		
56	63	7									qmcs	37216		
63	72	9									qmcs	37217		
72	79	7									qmcs	37218		
79	86	7									qmcs	37219		
86	90	4									qmcs	37220		
90	95	5									qmcs	37221		
95	100	5									qmcs	37222		
100	105	5									qmcs	37223		
105	111	6									qmcs	37224		
111	114	3									Qtz.	37225	vein	
114	117	3									Qtz.	37226	vein	
117	122	5									qmcs	37227		
122	127	5									qmcs	37228		
127	132	5									qmcs	37229		
132	137	5									qmcs	37230		
137	142	5									qmcs	37231		
142	147	5									qmcs	37232		
147	155	8									qmcs	37233		
155	161	6									qmcs	37234		
161	166	4									qmcs	37235		

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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		
166	171	5									qmcs	372366		
171	176	5									qmcs	37237		
176	181	5									qmcs	37238		
181	186	5									qmcs	37239		
186	191	5									qmcs	37240		
191	196	5									qmcs	37241		
196	201	5									qmcs	37242		
201	209	8									qmcs	37243		
209	213	4									qmcs	37244		
213	217	4									qmcs	37245		
217	222	5									qmcs	37246		
222	228	6									qmcs	37247		
228	235	7									qmcs	37248		
235	239	4									frac zone	37249		
239	243	4									frac zone	37250		
243	248	5									qmcs	37251		
248	253	5									qmcs	37252		
253	258	5									qmcs	37253		
258	263	5									qmcs	37254		
263	268	5									qmcs	37255		
268	273	5									qmcs	37256		
273	278	5									qmcs	37257		
278	283	5									qmcs	37258		
283	288	5									qmcs	37259		

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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		
288	293	5									qmcs	37260G		
293	298	5									qmcs	37261		
298	303	5									qmcs	37262		
303	308	5									qmcs	37263		
308	313	5									qmcs	37264		
313	318	5									qmcs	37265		
318	323	5									qmcs	37266		
323	329	6									qmcs	37267		
329	332	3									qmcs	37268	magnetic	
332	335	3									qmcs	37269	magnetic	
335	340	5									qmcs	37270		
340	345	5									qmcs	37271		
345	350	5									qmcs	37272		
350	355	5									qmcs	37273		
355	360	5									qmcs	37274		
360	365	5									qmcs	37275		
365	370	5									qmcs	37276		
370	375	5									qmcs	37277		
375	380	5									qmcs	37278		
380	385	5									qmcs	37279		
385	390	5									qmcs	37280		
390	395	5									qmcs	37281		
395	400	5									qmcs	37282		
400	405	5									qmcs	37283		

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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		
405	410	5									qcms	37284G		
410	415	5									qcms	37285		
415	420	5									qcms	37286		
420	425	5									qcms	37287		
425	430	5									qcms	37288		
430	435	5									qcms	37289		
435	440	5									qcms	37290		
440	444	4									qcms	37291	EOH	