

CMR - BETTY 31 - 93516

021327

COMPANY NAME AREA EXPLORATION COMPANY  
PROPERTY NAME MOUNT NANSEN  
DRILLING CONTRACTOR Caron Diamond Drilling  
ASSAYER Bondar-Clegg & Co. Ltd.  
PURPOSE OF HOLE Metal Factor Anomaly, Structural  
Intersection, Aeromag Low

HOLE NO. CD-3 (461-72-1)  
CLAIM NAME BETTY 31  
COMMENCED June 13, 1972  
FINISHED June 18, 1972  
PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Cu	Mo	Au			
0	86	-	Quartz-feldspar porphyry rhyodacite boulders, limonite stained, minor pyrite. NW casing from 0-50'	086	090	4	4201	0.07	L.003				
			BW casing from 0-90'										
86	94	90	Leached, goethite stained, med. grained, hornblende granodiorite, sulphide fracture fillings leached while 2% disseminated pyrite remains. Feldspars altered to soft white clay (Kaolin), probably supergene alteration. Minor chalcocite rims @ pyrite @ 90-91.	90	100	10	4202	0.05	L.003	L.005			
94	143	98	Fresh med. grained mesocratic hornblende granodiorite - adamellite (quartz rich) 1-2% disseminated pyrite and as boxwork fracture fillings (2 mm). Fractures not intense, 11 to & @ 45° to core axis common. Competent core 2' sections, minor epidote & chlorite. Minor grey black sooty chalcocite rims on pyrite (109-111) & (105)	100	110	10	4203	0.06	L.003				
				110	120	10	4204	0.03	L.003				
				120	130	10	4205	0.03	L.003	L.005			
143	155	96	Broken & fractured core, hornblende-granodiorite (quartz rich with mild clay alteration along fractures. Lengths commonly <1". Goethite films along fractures.	130	140	10	4206	0.02	L.003				
				140	150	10	4207	0.02	L.003				
				150	160	10	4208	0.04	L.003	L.005			
155	178	96	Highly clay altered granodiorite, no mafics left. Greenish yellow tinge of clay altered feldspars suggest montmorillonite. Core is soft and crumbly but good recovery. 3% disseminated cubic pyrite crystals.	160	170	10	4209	0.05	L.003				
				170	180	10	4210	0.03	L.003				



## Diamond Drill Record

COLLAR:		HOLE SURVEY		
NORTH _____		FOOTAGE	AZIMUTH	DIP
EAST _____				
ELEVATION _____				
LOGGED BY _____				
DATE LOGGED _____				
MAP REFERENCE NO. _____		METHOD: _____		

COMPANY NAME AREA EXPLORATION COMPANY  
 PROPERTY NAME MOUNT NANSEN  
 DRILLING CONTRACTOR \_\_\_\_\_  
 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO. CD-3 (461-72-1)  
 CLAIM NAME \_\_\_\_\_  
 COMMENCED \_\_\_\_\_  
 FINISHED \_\_\_\_\_  
 PROJECT NO. 461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Mo		Au			
323	354	99	At 323' contact hornblende granodiorite with feldspar	320	330	10	4225	0.09	L.003		L.005			
			porphyry rhyodacite. Rhyodacite is light grey, 2 mm	330	340	10	4226	0.01	L.003		L.005			
			plagioclase phenocrysts abundant, minor quartz phenocrysts	340	350	10	4227	0.01	L.003					
			3" pyrite, minor chalcopyrite veinlet at contact. 1%	350	360	10	4228	0.02	L.003					
			disseminated pyrite crystals. Several grey quartz & pyrite											
			4 mm fracture fillings @ 30° & 10° to core axis. Blackish											
			grey clay (MoS <sub>2</sub> ?) and slickensides suggests movement and	360	370	10	4229	0.03	L.003		L.005			
			shear along fractures. 2 mm calcite fracture filling @	370	380	10	4230	0.02	L.003					
			356'. Rhyodacite is moderately clay altered and no	380	390	10	4231	0.01	L.003					
			mafics are preserved.	390	400	10	4232	0.02	L.003		L.005			
354	389	96	Short broken 1" lengths of rhyodacite porphyry, very	400	410	10	4233	0.01	L.003					
			minor chalcopyrite - 1% disseminated pyrite. Sheared	410	420	10	4234	0.01	L.003					
			grey black clay (gouge) fracture fillings.	420	430	10	4235	L.01	L.003					
389	500	99	Competent rhyodacite porphyry core. Lengths 2-3'.	430	440	10	4236	0.03	L.003					
			Moderately clay altered, alteration decreasing with depth;	440	450	10	4237	0.05	L.003					
			no mafics. @ 480-485 plagioclase is hematite stained.	450	460	10	4238	0.08	L.003		L.005			
			2" pyrite seam ⊥ to core axis at 461.5', possibly	460	470	10	4239	0.01	0.004					
			minor MoS <sub>2</sub> ?	470	480	10	4240	0.04	L.003					
				480	490	10	4241	0.01	L.003		L.005			
				490	500	10	4242	0.01	L.003					
								Shipped 21/6/72						