

COLLAR:		HOLE SURVEY		
NORTH	236N	FOOTAGE	AZIMUTH	DIP
EAST	230W	600	Vertical	
ELEVATION	4325			
LOGGED BY	R. A. Dickinson			
DATE LOGGED	11/8/72			
MAP REFERENCE NO.	115-I-3	METHOD:		

Diamond Drill Record

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COMPANY NAME Area Exploration Company
 PROPERTY NAME Mount Nansen
 DRILLING CONTRACTOR E. Caron Diamond Drilling
 ASSAYER Bondar-Clegg & Company
 PURPOSE OF HOLE Near silicified dome, edge of anomalous I.P. metal factor halo

HOLE NO.	CD-10
CLAIM NAME	Dome 66
COMMENCED	July 29, 1972
FINISHED	August 1, 1972
PROJECT NO.	461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Mo	Au				
0	12	-	Overburden. BW casing 0-25'.			BQ								
12	17	10	Extremely broken core. Soft, supergene altered, goethite stained, pebbles of medium grained granodiorite.	12	20	10	882	0.04	L.003	L0.005				
17	30	75	Highly broken core, pebble size fragments. Leached, oxidized, altered, granodiorite. (Originally biotite-granodiorite.) Limonite (goethite » jarosite) stained. Trace of pyrite remains unleached. Minor anhydrite with limonite along fracture planes. Feldspars have been altered to white kaolin while mafics have been replaced by a brownish booked clay-chlorite material.	20	30	10	883	0.01	L.003					
30	32	75	Extremely broken core, pebble size, granodiorite fragments.	30	40	10	884	0.01	L.003					
32	69	95	Good recovery 6"-1' sections of core. Pervasively goethite stained, medium-coarse grained granodiorite. Moderately clay altered. Most pyrite remains coated with limonite. Limonite stained cap ends at 69'.	40	50	10	885	0.02	L.003	L0.005				
				50	60	10	886	0.02	L.003					
				60	70	10	887	0.02	L.003					
				70	80	10	888	0.01	L.003	L0.005				
				80	90	10	889	0.01	L.003					
69	148	98	Good recovery. Medium-coarse grained granodiorite. Strongly clay altered (kaolin) with mild sericite. No mafics remain. Traces of anhydrite along fractures. Trace of chalcocite rimming pyrite at 119. Pyrite 1-2% as anhedral disseminations and massive 1/2" veinlets at 115.5 (20° to core axis) and 123 (30° to core axis).	90	100	10	890	0.01	L.003					
				100	110	10	891	0.01	L.003	L0.005				
				110	120	10	892	0.01	L.003					
				120	130	10	893	0.01	L.003					
				130	140	10	894	0.01	L.003	L0.005				
148	160	98	Light creamy rhyodacitic feldspar porphyry. Minor goethite staining. Traces of anhydrite with pyrite-limonite along fractures.	140	150	10	895	0.01	L.003					
				150	160	10	896	0.04	L.003					

Diamond Drill Record

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 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO.	CD-10
CLAIM NAME	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	_____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Mo	Au				
			One-quarter inch sheared massive pyrite veinlet at lower contact.	160	170	10	897	0.01	L.003	L0.005				
160	199	98	Mildly clay altered, (trace of sericite) granodiorite. 1% pyrite	170	180	10	898	0.01	L.003					
			as minor fracture fillings and disseminations. Feldspars are	180	190	10	899	10.01	L.003					
			fringed with alteration but mafics are completely replaced.	190	200	10	900	10.01	L.003	L0.005				
199	326	98	At 199 sharp contact with rhyodacite (quartz-feldspar) porphyry.	200	210	10	901	10.01	L.003					
			Minor pyrite and trace of chalcopyrite and anhydrite. Rhyodacite	210	220	10	902	10.01	L.003					
			is creamy white, has small (1 mm) subhedral plagioclase pheno-	220	230	10	903	10.01	L.003	L0.005				
			crysts and sparse resorbed quartz phenocrysts. Feldspars are	230	240	10	904	10.01	L.003					
			totally replaced by kaolin and minor sericite. Massive pyrite 1/2"	240	250	10	905	10.01	L.003					
			veinlets cut porphyry at 254' and 252'. Good recovery 1-2' sections.	250	260	10	906	10.01	L.003	L0.005				
326	343	98	Fractured - brecciated - porphyry zone. Fractures are filled with	260	270	10	907	0.01	L.003					
			limonite-anhydrite and lesser pyrite. Trace of chalcopyrite.	270	280	10	908	10.01	L.003					
			Section is pervasively goethite stained. Good recovery 3"-1"	280	290	10	909	10.01	L.003	L0.005				
			sections. Porphyry is clay-sericite altered.	290	300	10	910	10.01	L.003					
343	391	98	Ryodacite porphyry. Small (1 mm) feldspar phenocrysts, that have	300	310	10	911	10.01	L.003					
			been replaced by kaolin in aphanitic felsite matrix. At 390-391	310	320	10	912	10.01	L.003	L0.005				
			dense non-porphyritic chilled margin. Regularly disseminated	320	330	10	913	10.01	L.003					
			anhedral pyrite (1%). Trace of chalcopyrite. Good recovery.	330	340	10	914	0.01	L.003					
391	398	98	Medium-coarse grained granodiorite. Originally biotite granodiorite.	340	350	10	915	0.01	L.003	L0.005				
			Clay altered feldspars and mafics. Minor pyrite and traces of	350	360	10	916	10.01	L.003					
			anhydrite.	360	370	10	917	10.01	L.003					

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HOLE NO. CD-10
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Cu	Mo	Au			
398	407	98	Rhyodacitic feldspar porphyry. Moderately clay altered. 1%	370	380	10	918	10.01	L.003	L0.005			
			disseminated pyrite. At 398 sheared pyrite filling at contact with	380	390	10	919	10.01	L.003				
			granodiorite.	390	400	10	920	10.01	L.003				
407	496	98	Moderately argillized granodiorite, some sericite. Disseminated	400	410	10	921	10.01	L.003	L0.005			
			pyrite and minor fracture fillings. Massive pyrite, anhydrite fills	410	420	10	922	10.01	L.003				
			fractures at 456 (10° to core axis) and 453, 455. Good recovery long	420	430	10	923	0.01	L.003				
			sections of core.	430	440	10	924	0.01	L.003	L0.005			
496	501	80	Blackish-grey clay shear zone.	440	450	10	925	10.01	L.003				
501	543	98	Moderately clay altered, medium grained granodiorite. 1-2%	450	460	10	926	10.01	L.003				
			disseminated pyrite.	460	470	10	927	0.03	L.003	L0.005			
543	551	90	Shear zone. Blackish-grey clay shear surfaces on fragmented	470	480	10	928	0.01	L.003				
			granodiorite.	480	490	10	929	10.01	L.003				
551	553	98	Granodiorite, medium-coarse grained. Moderately clay altered	490	500	10	930	10.01	L.003	L0.005			
			with minor sericite. No mafics. 1% pyrite.	500	510	10	931	0.01	L.003				
553	568	90	Highly broken core, 1" to pebble size fragments. Highly clay	510	520	10	932	10.01	L.003				
			altered fault zone. Minor pyrite and anhydrite.	520	530	10	933	0.01	L.003	L0.005			
568	600	98	Moderately clay altered rhyodacitic, feldspar porphyry. 1%	530	540	10	934	0.01	L.003				
			disseminated pyrite. Small feldspar grains clay altered. Aphanitic	540	550	10	935	0.01	L.003				
			light cream matrix.	550	560	10	936	10.01	L.003	L0.005			
				560	570	10	937	10.01	L.003				
				570	580	10	938	10.01	L.003				

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[illegible]