

COLLAR:		HOLE SURVEY		
NORTH	199+50N	FOOTAGE	AZIMUTH	DIP
EAST	200W	612'		
ELEVATION	4,400	Vertical		
LOGGED BY	R.A. Dickinson			
DATE LOGGED	9/7/72			
MAP REFERENCE NO.	115-I/3	METHOD:		

# Diamond Drill Record

PAGE 1 OF 5

COMPANY NAME Area Exploration Company  
 PROPERTY NAME Mount Nansen  
 DRILLING CONTRACTOR E. Caron Diamond Drilling  
 ASSAYER Bondar-Clegg & Co. Ltd.  
 PURPOSE OF HOLE Test tourmalinized breccia pipe,  
Rim of anomalous metal factor

HOLE NO.	CD-6
CLAIM NAME	GS 7FR
COMMENCED	July 3/72
FINISHED	July 6/72
PROJECT NO.	461

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Mo	Au				
0	20	NIL	Overburden - broken tourmaline breccia fragments											
			NW casing from 0 - 20											
			BW casing from 0 - 40											
20	58	90%	Strongly oxidized quartz-tourmaline breccia. Sub-	20	30	10	228	L.01	L.003	0.005				
			angular fragments (1" - rock flour) of rhyodacite	30	40	10	229	L.01	L.003	0.01				
			porphyry. Feldspars & matrix of porphyry altered to a	40	50	10	230	0.01	L.003	0.005				
			kaolin sericite assemblage. Matrix of breccia is mainly											
			quartz, & rock flour, with minor black tourmaline.											
			Matrix has small vesicles (10-15%) that may have contained											
			sulphides. Most have jarosite stained walls, but some											
			are void. Rock is stained with coatings of reddish											
			orange goethite and yellowish orange jarosite. Minor											
			turquoise staining of feldspars & vugs that has a											
			sulphate taste suggesting brocanthite. Core broken											
			2-5" fragments.											
58	59	99%	Strongly tourmalinized section of breccia. Tourmaline											
			is black & dense.											
59	103	90%	Strongly leached & oxidized quartz-tourmaline breccia.	50	60	10	231	0.01	L.003	TR				
			Matrix is quartz, tourmaline and rock flour. Sub-	60	70	10	232	0.01	L.003	0.05				
			angular fragments are creamy white, sericitized	70	80	10	233	0.01	L.003	0.02				
			rhyodacite porphyry. Some minor pyrite but most	80	90	10	234	0.01	L.003	TR				

# Diamond Drill Record

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NORTH _____		FOOTAGE	AZIMUTH	DIP
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 PROPERTY NAME Mount Nansen  
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 ASSAYER \_\_\_\_\_  
 PURPOSE OF HOLE \_\_\_\_\_

HOLE NO.	<u>CD-6</u>
CLAIM NAME	<u>GS 7FR</u>
COMMENCED	_____
FINISHED	_____
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Cu	Mo	Au			
			sulphides have been leached leaving boxworks of goethite	90	100	10	235	L.01	L.003	0.005			
			and minor jarosite. Core is broken into 3" sections.										
103	129	95%	Quartz-tourmaline breccia, strongly stained with	100	110	10	236	L.01	L.003	0.005			
			orangy yellow jarosite and only minor goethite.	110	120	10	237	L.01	L.003	0.005			
			Alteration assemblage is quartz, sericite, pyrite and	120	130	10	238	L.01	L.003	0.005			
			kaolin. 1% finely disseminated pyrite remains, but										
			most has been leached.										
129	167	90%	Quartz-tourmaline breccia. Matrix is predominately	130	140	10	239	L.01	L.003	0.005			
			rock flour. Section is jarosite & goethite stained.	140	150	10	240	0.01	L.003	0.01			
			Only minor pyrite remains unoxidized. Fragments are rhyo-	150	160	10	241	0.02	L.003	0.02			
			dacite porphyry. @ 156' 3" pyrite-quartz veinlet cuts										
			core axis @ 80°. @ 167' broken contact with clay and										
			sericite altered granodiorite.	160	170	10	242	0.02	L.003	0.02			
167	183	98%	Orangy-yellow jarosite stained, clay & sericite altered	170	180	10	243	0.01	L.003	0.005			
			granodiorite. Strong sericitization along fractures and										
			feldspars replaced by clay & sericite, mafic replaced										
			pseudomorphically by clay. <1% finely disseminated										
			pyrite with some traces of chalcocite rimming. Chalco-										
			cite coats a pyrite veinlet @ 180'.										
183	201	98%	Strongly kaolinized granodiorite. Mafics remain as	180	190	10	244	0.01	L.003	0.005			
			booklets replaced by clay. Minor disseminated pyrite	190	200	10	245	0.01	L.003	0.005			

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PROJECT NO.	<u>461</u>

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Mo	Au				
			& chalcocite rims pyrite veinlets ¼" @ 194' & 197'. Grano-											
			diorite is bleached creamy white grey. Still evidence											
			of minor oxidation within core.	200	210	10	246	0.01	L.003					
201	257	99%	Moderately to mildly kaolinized granodiorite, pervasive	210	220	10	247	0.01	L.003					
			chloritization? gives malachite tinge to feldspars,	220	230	10	248	0.01	L.003	L.005				
			Granodiorite is quartz rich (15%). Med.-coarse grained	230	240	10	249	0.01	L.003					
			and mesocratic. Good competent 2-3' sections of core.	240	250	10	250	L.01	L.003					
			Minor pyrite.	250	260	10	251	0.01	L.003	L.005				
257	292	95%	Kaolinized granodiorite, both feldspars & mafics have	260	270	10	252	0.02	L.003					
			gone to clay, has a greenish grey colour. @ 275-278'	270	280	10	253	0.01	L.003					
			clayey shear zone. Disseminated pyrite (1%) has minor	280	290	10	254	0.01	L.003	L.005				
			coatings of chalcocite, thick coating @ 267' on 1/2 inch											
			veinlet. Trace of chalcopyrite.											
292	311		Strongly argillized rhyodacite porphyry (dyke). Both	290	300	10	255	0.01	L.003					
			contacts broken. Finely disseminated pyrite (2%) is	300	310	10	256	0.01	L.003					
			evenly distributed throughout rock and along minor	310	320	10	257	0.01	L.003	L.005				
			fractures. Minor chalcocite skins on pyrite becoming											
			thicker @ 298-300'. Porphyry is whitish grey with anhedral											
			plagioclase phenocrysts and dense feldspathic matrix.											
311	374.5	98%	Moderately argillized, hornblende granodiorite. Minor	320	330	10	258	L.01	L.003					
			disseminated pyrite as fracture fillings and	330	340	10	259	L.01	L.003					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Cu	Mo	Au			
			disseminations. Black-grey clay, pyrite rich shear	340	350	10	260	0.02	L.003	L.005			
			zones @ 319 and 356'.	350	360	10	261	0.01	L.003	L.005			
374.5	380	99%	Rhyodacite porphyry, only minor feldspar (white)	360	370	10	262	0.02	L.003				
			phenocrysts. Rock is creamy grey with evenly	370	380	10	263	0.02	L.003				
			distributed pyrite (2%) occurring as disseminations.	380	390	10	264	0.01	L.003	L.005			
			Sharp contacts.	390	400	10	265	0.01	L.003				
380	441	98%	Mildly argillized granodiorite, small clots of epidote	400	410	10	266	0.01	L.003				
			and chlorite. <1% disseminated pyrite. Fracture 1 per 6"	410	420	10	267	0.01	L.003	L.005			
			occur at all angles to core axis.	420	430	10	268	0.01	L.003				
441	456	96%	Mildly argillized cream grey rhyodacite porphyry. 2%	430	440	10	269	0.01	L.003				
			pyrite as dissemination. Only minor plagioclase	440	450	10	270	0.06	L.003	0.005			
			phenocrysts. Aplitic texture.	450	460	10	271	0.04	L.003				
456	475.5	95%	Moderately-strongly argillized rhyodacite porphyry.	460	470	10	272	0.03	L.003	L.005			
			2% disseminated pyrite, trace chalcopyrite. Sharp	470	480	10	273	L.01	L.003				
			contacts. @ 467-468' greyish black clayey shear zone.										
475.5	494	99%	Mildly clay (kaolin) altered granodiorite, granodiorite	480	490	10	274	0.01	L.003				
			is med. - coarse grained, mesocratic, quartz and horn-	490	500	10	275	0.02	L.003	0.005			
			blende rich. Pyrite <1% with trace chalcopyrite.										
494	516		Dense rhyodacite porphyry. Sharp contacts with grano-	500	510	10	276	0.01	L.003				
			diorite. Porphyry contains 2-3 mm subhedral plagio-										
			clase phenocrysts, lacks mafics and is creamy grey.	510	520	10	277	0.02	L.003				

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[illegible]