

FILED

1987 RHUB-BARB

REV. CIRC. DRILL LOGS/ASSAYS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,189

Part 2 of 2

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. <u>BRH-1</u>	CLAIM <u>BARB</u>	PROPERTY <u>RHUB-BARB</u>	PAGE No. <u>1</u> of <u>3</u>	ACID TEST
CORE SIZE <u>3 1/2"</u>	AZIMUTH <u>220°</u>	ELEV. COLLAR _____	LOGGED BY <u>K. Galambos</u>	
ANGLE OF HOLE <u>-60°</u>	TOTAL DEPTH <u>120' (36.58m)</u> NORTHING _____		DATE BEGUN <u>1/11/87</u> FINISHED <u>1/11/87</u>	
SECTION <u>Barb-C</u>	% RECOVERY <u>100</u>	EASTING _____	*CORE STORED AT <u>Site</u>	

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS: * Reject chips stored at each drill site	% RECOVERY	SAMPLE NO. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
														(ppm) Ag	(ppb) Au			
0									DESCRIPTIVE GEOLOGY									
1								0	0.00 - 5.79 OVERBURDEN									
2								0										
3								0										
4								0										
5								0										
6								0	5.79 5.79 - 12.19 SILICEOUS RHYOLITE - cream to gray; no sulphide		5.79							
7											BRH-1			0.1	6			
8											19-25							
9											7.63			0.1	1			
10											25-30							
11											100							
12											9.14			0.1	2			
13											30-35							
											10.67			0.1	1			
											35-40							
											12.19			0.1	1			
								/	12.19 12.19 - 13.72 BLACK BASALT DYKE - massive; magnetic		40-45							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. & INTERVAL	SPECIFIC GRAVITY	ASSAYS	
													(ppm) Ag	(ppb) Au
									DESCRIPTIVE GEOLOGY					
14									13.72-18.29 SILICEOUS RHYOLITE - same as above		BRH-1 40-45		0.1	1
15									15.24-18.29 Argillie alteration (clay)		13.72 45-50		0.1	2
16											15.24 50-55		0.1	2
17											16.76 55-60		0.2	1
18											18.29 60-65		4.4	910
19									18.29-21.34 SILICEOUS RHYOLITE WITH BLACK SILICA BRECCIA - fine disseminated pyrite		19.81 65-70		6.1	2150
20									18.29 Clay zone - fault?		21.34 70-75		2.6	320
21									18.29-21.34 Black silica breccia with fair py		22.86 75-80		3.0	118
22									21.34-36.58 SILICEOUS RHYOLITE		24.38 80-85		0.5	51
23									21.34-27.43 Minor blk silica; minor to fair pyrite		25.91 85-90		1.3	76
24									25.91-27.43 Argillie alteration (clay)		27.45 90-95		0.3	29
25									30.48 - Heavy clay - fault? Drill stuck temporarily					
26														
27														
28														

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. <u>BRH-2</u>	CLAIM <u>BARB</u>	PROPERTY <u>RHUB-BARB</u>	PAGE No. <u>1</u> of <u>6</u>	<u>ACID TEST</u>
CORE SIZE <u>3 1/2"</u>	AZIMUTH <u>220°</u>	ELEV. COLLAR _____	LOGGED BY <u>K. Galambos / B. Taylor</u>	
ANGLE OF HOLE <u>-50°</u>	TOTAL DEPTH <u>280' (85.34m)</u>	NORTHING _____	DATE BEGUN <u>1/11/87</u> FINISHED <u>6/11/87*</u>	
SECTION <u>BARB-C</u>	% RECOVERY <u>100</u>	EASTING _____	CORE STORED AT <u>Site</u>	

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No.	INTERVAL	SPECIFIC GRAVITY	ASSAYS		
														(ppm) Ag	(ppb) Au	
0									COMMENTS: - Getting circulation from 0-10' * Compressor line blew up at 50'. Two men injured. Hole restarted Nov. 5/87. - Hole stopped at 280' as penetration extremely slow. Rock drills like its very hard but chips mainly clay.							
1								0.00-3.05 Getting circulation. Started in bedrock (cream rhy.)								
2																
3								3.05								
4								3.05-38.10 CREAM SILICEOUS RHYOLITE				BRH-2	10-15		0.1	1
5													4.57		0.1	4
6														6.10		
7														20-25	0.1	1
8											100			7.62		
9														25-30	0.2	1
10														9.14		
11														30-35	0.1	1
12														10.67		
13													35-40	0.1	1	
													12.19			
													40-45	0.1	1	

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. & INTERVAL	SPECIFIC GRAVITY	ASSAYS					
													DESCRIPTIVE	GEOLOGY	(ppm) Ag	(ppb) Au		
13											BRH-2 40-45		0.1	1				
14									3.05-38.10 (cont'd)		13.72		0.1	1				
15											45-50		0.1	1				
16											15.24		0.1	1				
17											16.76		0.1	1				
18											55-60		0.1	1				
19											18.29		0.1	2				
20											100 19.81		0.1	1				
21											65-70		0.1	1				
22											21.34		0.2	1				
23											22.86		0.3	1				
24											75-80		0.1	3				
25											24.38		0.1	2				
26											80-85		0.1	2				
27											25.91		0.1	1				
28											85-90		0.1	1				
											37.43 90-95		0.1	1				

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
28												BRH-2							
29												90-95			0.1	1			
30												28.96	95-100		0.1	3			
31												30.48							
32												100-105			0.2	1			
33												32.00							
34												105-110			0.1	1			
35												33.53							
36												110-115		100	0.1	1			
37												35.05							
38												115-120			0.2	1			
39												36.56							
40												120-125			0.1	1			
41												38.10							
42												125-130			0.1	2			
43												39.62							
												130-135			0.1	1			
												41.15							
												135-140			0.1	2			
												42.97							
												140-143			0.8	1			

35.10

38.10 - 71.62 CREAM SILICEOUS RHYOLITE WITH LOCAL BLACK SILICA BRECCIA - trace to good pyrite locally.
 39.62-41.15 - 10% blk. silica bx with good py.
 46.94 - Green alteration possibly fuchsite or green sericite.
 53.95-54.56 - 15-20% black silica bx with 3-5% py
 55.47-57.30 - 70-80% black silica bx with 1-2% py
 59.74-60.35 - 10-20% bx with tr-1 % py
 60.66-61.26 - 70-80% black silica bx with 1-2% py

1-2

2

3-5

10

Tr

Tr

Tr-1

3

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCHA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. @ INTERVAL	SPECIFIC GRAVITY	ASSAYS					
														(ppm) Ag	(ppb) Au				
43			Tr			3						BRH-2 140-145		0.3	1				
44												44.20							
45												145-150		0.1	1				
46			0			0						45.72							
47												150-155		0.2	4				
48												47.24							
49												155-160		0.1	1				
50						Tr						48.77							
51						0						160-165		0.1	3				
52			Tr			1-2						50.29							
53			0			0						165-170		0.1	1				
54												51.82							
55			Tr			2-3						170-175		0.1	2				
56												53.34							
57			Tr			15-20						175-180		0.2	3				
58												54.86							
												180-185		0.1	1				
			Tr			2-3						56.39							
						70-80						185-190		0.1	1				
												57.91							

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppb) Au
58															
59			Tr		1-2				62.48-64.62 - Bluish rock with trace py.		BRH-2				
60			0		Tr				63.40-64.01 - Fault zone - heavy clay		190-195		0.1	1	
61			Tr		10-20				64.62-64.92 - 60-70% black silica bx with 1-2% py		59.44				
62			0		Tr				68.28-69.49 - 5-10% black silica bx with tr-1% py		195-200		0.1	2	
63			Tr		70-80				71.32-71.62 - 15-20% black silica bx with 1-2% py		60.96				
64			Tr		1-2						200-205		0.1	1	
65			Tr		0						62.48				
66			Tr						63.40	100	205-210		0.1	3	
67			Tr						64.01		64.01				
68			Tr								210-215		0.5	120	
69			Tr								65.53				
70			Tr								215-220		0.1	48	
71			Tr								67.06				
72			Tr								220-225		1.5	320	
73			Tr								68.58				
74			Tr								225-230		0.9	240	
75			Tr								70.10				
76			Tr								230-235		2.8	870	
77			Tr								71.62				
78			Tr						71.62 71.62-85.34 EPIDOTIZED? VOLCANIC WITH FAULT GOUGE		235-240		0.7	97	
79			Tr						- Hard chunks of green volcanic within clay gouge						

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppb) Au
									DESCRIPTIVE GEOLOGY						
73											73.15				
74											BRH-2 240-245		0.6	91	
75											74.68				
76								FAULT			245-250		0.4	97	
77											76.20				
78											250-255		0.2	59	
79											77.72				
80											255-260		0.3	32	
81											79.25				
82								FAULT			260-265		0.2	15	
83											80.77				
84											265-270		0.4	13	
85											82.30				
											270-275		0.2	5	
											83.62				
											275-280		0.1	2	
									END OF HOLE						

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. BRH-3 CLAIM BARB PROPERTY RHUB-BARB PAGE No. 1 of 6
 CORE SIZE 3 1/2" AZIMUTH 225° ELEV. COLLAR _____ LOGGED BY K. TAYLOR
 ANGLE OF HOLE -50° TOTAL DEPTH 280' (85.34m) NORTHING _____ DATE BEGUN 6/11/87 FINISHED 6/11/87
 SECTION BARB-C % RECOVERY 100 EASTING _____ CORE STORED AT SITE

ACID TEST

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppb) Au
0								○○○	0.00-3.05 OVERBURDEN & GETTING CIRCULATION. Pack at 5' (1.52m)	0					
1								○○○							
2								○○○							
3								○○○							
4								○○○	3.05-26.52 CREAM TO GRAY RHYOLITE	100	BRH-3 10-15	3.05-4.57	0.3	1	
5								○○○				4.57-6.10	0.1	1	
6								○○○				6.10-7.62	0.2	1	
7								○○○				7.62-9.14	0.3	6	
8								○○○				9.14-10.67	0.1	1	
9								○○○				10.67-12.19	0.1	1	
10								○○○				12.19-13.72	0.1	1	
11								○○○							
12								○○○							
13								○○○							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS						
															(ppm) Ag	(ppt) Au					
43																					
44								F	FAULT?	42.67-56.69 (cont'd) - clay could be from higher in hole caught up in rds and cyclone. May not be a fault.		BRH-3			0.1	3					
45													44.20								
46													45.72	145-150			0.2	1			
47							F						47.24	150-155			0.3	1			
48													48.77	155-160			0.2	1			
49							F						50.29	160-165			0.1	1			
50												100	51.82	165-170			0.2	1			
51							F						53.34	170-175			0.3	1			
52													54.86	175-180			0.1	1			
53							F						56.39	180-185			0.1	1			
54											57.91	185-190			0.1	1					
55																					
56							F														
57										56.69	56.69-65.53	GRAY RHYOLITE WITH LOCAL BLACK SILICA BRECCIA	56.39								
58										58.52-58.83	58.52-58.83	3-5% black silica bx and large chunks of py (5-7%)	185-190			0.1	1				

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
58																			
59			5-7			3-5				56.69 - 65.53 (cont'd) GRAY RHYOLITE WITH LOCAL BLACK SILICA BRECCIA		BRA-3 190-195			0.1	3			
60												59.44	195-200		0.1	1			
61			Tr			Tr-1						60.96	200-205		0.1	1			
62																			
63			Tr-1			3-5						62.48	205-210		0.1	1			
64												64.01							
65			Tr			Tr-1							210-215		0.1	4			
66								F	FAULT	65.53 65.53-67.06 FAULT ZONE - clay gouge	100	65.53	215-220		0.1	1			
67												67.06							
68			1-2 Tr-1			5-10 3-5				67.06-69.80 GRAY RHYOLITE WITH LOCAL BLACK SILICA BRECCIA		67.06	220-225		0.1	1			
69			Tr			Tr-1						68.58							
70			Tr-1			3-5							225-230		0.1	1			
71										69.80 69.80-71.93 BASALT DYKE (ENDAKO?)		70.10							
72												71.62	230-235		0.1	1			
73								F	FAULT	71.93 71.93-72.84 FAULT WITH MINOR BASALT - basalt could be from above - clay gouge		71.62	235-240		0.1	8			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO.	INTERVAL	SPECIFIC GRAVITY	ASSAYS			
															(ppm) Ag	(ppb) Au		
73																		
74			F2			3-5		F	72.84-77.42	GRAY RHYOLITE - minor local black silica breccia		73.15						
									73.45-74.22	- 3-5% black silica breccia with 1-2% py.		BRH-3						
									74.22	- Fault - clay gouge		240-245			0.7	230		
75									74.22	- Fault - clay gouge		74.68						
									77.11	- Fault - clay gouge		245-250			1.2	350		
76																		
77								F	77.11			76.20						
									77.42			250-255			1.3	370		
78									77.42-83.82	EPIDOTIZED? VOLCANIC		77.72						
									81.08-81.69	Fault - clay gouge		255-260			0.2	43		
79																		
80												79.25						
												260-265			0.1	38		
81								F	81.08			80.77						
									81.69			265-270			0.4	26		
82																		
83												82.50						
												270-275			0.6	58		
84									83.82	83.82-85.34 CREAM-GRAY AND GREEN RHYOLITE FLOWS		81.82						
												275-280			0.3	21		
85									85.34	END OF HOLE		85.34						





MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. BRH-4 CLAIM BARB PROPERTY RMB-BARB
 CORE SIZE 3 1/2" AZIMUTH 225° ELEV. COLLAR _____
 ANGLE OF HOLE -60° TOTAL DEPTH 230'(70.1m) NORTHING _____
 SECTION BARB-A % RECOVERY 100 EASTING _____

PAGE No. 1 of 5
 LOGGED BY K. TAYLOR
 DATE BEGUN 7/11/87 FINISHED 7/11/87
 CORE STORED AT SITE

ACID TEST

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B INTERVAL	SPECIFIC GRAVITY	ASSAYS	
													(ppm) Ag	(ppb) Au
0								0.00	0.00 - 4.57 OVERBURDEN & GETTING CIRCULATION - Rock at 4' (1.22m)					
1								0.22						
2														
3								Getting circul.						
4														
5								4.57	4.57 - 12.19 MARON AND WHITE RHYOLITE FLOWS		4.57			
6											BRH-4 15-20		0.1	1
7											6.10			
8											20-25		0.1	1
9											7.62			
10											25-30		0.1	1
11											9.14			
12											30-35		0.1	1
13											10.67			
											35-40		0.3	1
											12.19			
									12.19	12.19 - 14.33 GREEN AND WHITE RHYOLITE FLOWS	40-45		0.3	1

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. @ INTERVAL	SPECIFIC GRAVITY	ASSAYS					
													(ppm) Ag	(ppb) Au				
13											BRH-4 40-45		0.3	1				
14											13.72							
15							F		14.33 14.63 14.33-19.20 BLACK BASALT (ENDAKO?) DYKE - magnetic 14.33-14.63 FAULT - clay		45-50		0.1	1				
16											15.24		0.1	1				
17											16.76		0.1	1				
18											18.29							
19											60-65		0.1	2				
20									19.20 19.20-22.25 LT. GREEN AND CREAM RHYOLITE FLOWS	100	19.81		0.3	1				
21											21.24		0.1	1				
22									22.25 22.25-25.60 MED. GREEN AND BROWN RHYOLITE FLOWS		70-75		0.2	1				
23											22.86		0.2	1				
24											24.38		0.2	1				
25											80-85		0.2	1				
26							F		25.60 25.60-28.65 FAULT ZONE - Cream to bluish rhyolite with eff. clay gouge		25.91		0.2	1				
27							F				85-90		0.2	1				
28							F				27.43 90-95		0.2	1				

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 8 INTERVAL	SPECIFIC GRAVITY	ASSAYS			
														(ppm) Ag	(ppb) Au		
28									F	25.60-28.65 (cont'd) FAULT ZONE		BRH-4 90-95		0.2	1		
29										28.65-37.49 GREEN AND CREAM RHYOLITE FLOWS		28.96					
30								S		- strong talc? alteration; possibly shear zone or fault zone.		95-100		0.1	11		
31												30.48					
32												100-105		0.2	4		
33								S				32.00					
34												105-110		0.2	2		
35												33.83					
36								S				110-115		0.2	2		
37												35.05					
38			0			70		S		37.49 37.49-37.80 CREAM RHYOLITE AND DK. GRAY SILICA BRECCIA (70%) 37.80 - probably flow top breccia; no py.		120-125		0.1	1		
39										37.80-39.01 SAME AS 28.65-37.49		38.10					
40										39.01 39.01-39.93 DK. GRAY AND MAROON RHYOLITE FLOWS - strong kaolinization		125-130		0.1	1		
41										39.93 39.93-40.84 BLACK BASALT (ENDAKO?) DYKE		39.82					
42										40.84 40.84-41.15 DK. GRAY AND MAROON RHYOLITE FLOWS - faulted contact		130-135		0.4	79		
43										41.15 41.15-44.81 CREAM TO LT. GREEN RHYOLITE		41.15		0.1	9		
												44.81 44.81-145		0.1	4		

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B INTERVAL	SPECIFIC GRAVITY	ASSAYS					
													(ppm) Ag	(ppb) Au				
43									41.15-44.81 (cont'd) CREAM TO LT. GREEN RHYOLITE		BRH-4 140-145		0.1	4				
44											44.20							
45							F	44.81	44.81-46.63 FAULT ZONE - clay and fragments of above.		145-150		0.1	3				
46											45.72							
47								46.63	46.63-53.04 CREAM TO LT. GREEN RHYOLITE		150-155		0.1	4				
48									48.16-48.46 - Fault - clay.		47.24							
49							F	48.16 48.46			155-160		0.2	1				
50											46.71		0.2	1				
51										100	50.29							
52											160-165							
53									53.04 53.04-56.08 BLACK BASALT (ENDAKO?) DYKE		165-170		0.2	2				
54											51.82							
55											170-175		0.1	4				
56											53.34							
57									56.08 56.08-60.66 CREAM TO LT. GREEN RHYOLITE		175-180		0.1	1				
58											54.86							
											180-185		0.1	2				
											56.39							
											185-190		0.2	1				
											57.91							

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. BRH-5 CLAIM BARB PROPERTY RHUB-BARB PAGE No. 1 of 7
 CORE SIZE 3 1/2" AZIMUTH 225° ELEV. COLLAR _____ LOGGED BY K. TAYLOR
 ANGLE OF HOLE -50° TOTAL DEPTH 312' (95.10m) NORTHING _____ DATE BEGUN 7/11/87 FINISHED 8/11/87
 SECTION BARB-F % RECOVERY 100 EASTING _____ CORE STORED AT SITE

ACID TEST

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS: DESCRIPTIVE GEOLOGY	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS						
													(ppm) Ag	(ppb) Au					
0								0	0.00 - 6.10 OVERBURDEN - Rock at 19' (5.79m)										
1								0											
2								0											
3								0											
4								0											
5								0											
6								0											
7								0	6.10 - 24.38 GRAY RHYOLITE WITH MINOR BLACK SILICEOUS BRECCIA - moderate to strong argillitic (clay) alt'n		6.10 BRH-5 20-25		0.2	2					
8								0			7.62 25-30		0.1	1					
9								0											
10								0			9.14 30-35		0.2	1					
11								0											
12								0			10.67 35-40		0.2	1					
13								0			12.19 40-45		0.1	2					

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. O INTERVAL	SPECIFIC GRAVITY	ASSAYS					
														(ppm) Ag	(ppb) Au				
13																			
14												BRH-5 40-45		0.1	2				
15												18.72 45-50		0.1	1				
16												15.24 50-55		0.1	1				
17												16.76 55-60		0.1	3				
18												18.29 60-65		0.1	1				
19			Tr			Tr-1						19.81 65-70		0.1	1				
20												21.34 70-75		0.1	1				
21												22.86 75-80		0.1	6				
22			Tr-1			3-5						24.38 24.69		0.2	12				
23			0			0						24.78 80-85		0.4	25				
24			Tr-1			5-10						25.91 85-90		0.1	17				
25			Tr			Tr-1						27.43 90-95							
26																			
27																			
28																			

24.38
24.69 **FAULT ZONE - clay gouge**

24.69-30.18 **GREEN-GRAY RHYOLITE**
- moderate to strong argillitic (clay) att'n

24.69-24.99 - 5-10% dk. gray silica breccia

27.43-28.35 - 5-10% dk. gray silica breccia

29.57-29.87 - 10-15% dk. gray silica breccia

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppm) Ag	(ppb) Au
28			Tr			5-10						BRH-5				
29			Tr			F						90-95			0.1	17
30			Tr-1			10-15						28.96				
31			Tr			Tr-1			30.18	30.18 - 35.97 BUFF, GRAY AND WHITE RHYOLITE FLOWS		95-100			0.3	10
32										32.31 - 32.61 - 3-5% dk. gray silica bx with 23% pyrite		30.48			0.4	1
33			2-3			3-5						100-105				
34			Tr			Tr						32.00			0.3	12
35												105-110				
36												33.53			0.2	7
37			Tr-1			10-15			35.97	35.97 - 48.77 GREEN, BUFF, GRAY AND WHITE RHYOLITE FLOWS		110-115				
38			1-2			30-40				35.97 - 37.19 - 10-15% dk. gray silica bx with tr-1% py.		35.05			0.2	1
39										37.19 - 39.62 - 30-40% red jasper and dk gray chalcocony with 1-2% py.		115-120				
40			Tr			Tr-3				40.84 - 44.81 - 10-15% dk. gray silica bx with 1-2% py.		36.58			0.1	3
41			1-2							41.76 - 3-5% pyrite.		120-125				
42			3-5			10-15				44.81 - 45.42 - 50-60% dk. gray silica bx with tr-1% py.		38.10			0.2	1
43			1-2							45.42 - 46.02 - 10-15% dk. gray silica bx with tr. py.		125-130				
												39.62				
												130-135			0.2	2
												41.15				
												135-140			0.4	8
												42.47				
												140-145			0.3	3

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppt) Ag	(ppb) Au
58																
59			Tr			30-40				59.44 - 60.96 - 10-15% dk gray silica bx with tr. py		190-195		0.2	3	
60						10-15						59.44	195-200		0.2	20
61										60.96 60.96-70.71 GREEN RHYOLITE WITH POSS. FAULT GOUGE		60.96				
62			Tr			Tr		F	Fault	- lot of green clay		200-205		0.1	4	
63						40-50		F		62.79 62.79-63.09 - 40-50% dk gray silica bx with tr. py.		62.48				
64										63.09 - 70.10 - 10-15% dk gray silica bx with tr. py.		205-210		0.2	3	
65										70.10 - 70.71 - Tr-3% dk gray silica bx with tr. py.		64.01				
66			Tr			10-15					100	210-215		0.1	1	
67												65.53	215-220		0.1	1
68												67.06	220-225		0.1	3
69			Tr									68.58	225-230		0.1	1
70												70.10				
71			2-3			Tr-3		F		70.71 70.71 - 79.86 RED-BROWN AND CREAM RHYOLITE FLOWS		230-235		0.1	2	
72						Tr-3		F		- faulted contacts		71.62				
73			2-3							70.71 - 71.32 - 3-5% dk gray silica bx with 2-3% py.		235-240		0.1	1	
										71.32 - 79.86 - Tr-3% dk gray silica bx with 2-3% py.						
										71.62 - Fault						

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
73																			
74										73.46 - Fault		73.15							
75			2-3			10%				79.55 - Fault		BRH-5 240-245			0.3	1			
76												74.65			0.2	1			
77												245-250			0.1	1			
78												76.20			0.1	1			
79												250-255			0.1	1			
80												77.75			0.1	1			
81												255-260			0.1	1			
82												79.25			0.2	2			
83												260-265	100		0.2	2			
84												80.77			0.1	1			
85												265-270			0.1	1			
86												82.30			0.2	1			
87												270-275			0.2	1			
88												83.62			1.1	6			
												275-280			0.2	5			
												85.34			0.2	5			
												280-285			0.2	5			
												86.87			0.2	2			
												285-290			0.2	2			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS			
															(ppm) Ag	(ppb) Au		
88												285-290			0.2	2		
89												88.19 BRH-5 290-295			0.2	1		
90										89.92		295-300			0.1	3		
91			2-3			Tr-3				94.18 - 94.18 - 1-3% dk gray silica bx with 2-3% 94.18 - 94.49 Fault Zone	100	91.44			0.1	1		
92												300-305			0.1	1		
93										94.49 - 94.79 BLACK BASALT (ENDAKO?) DYKE 94.79 - 95.09 LT. RED BROWN AND GREEN RHYOLITE		92.96			0.1	5		
94			0			0				94.79 - 95.09 - Tr-1% dk gray silica bx with tr-1%		305-310			0.1	5		
95			Tr-1			Tr-1				94.18 94.49 94.79 END OF HOLE		34.49 310-312			0.1	5		
										95.09		95.09						

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppb) Au
13										0.00 - 15.85 (cont'd) OVERBURDEN	0				
14															
15															
16										15.85 - 30.48 GREEN, GRAY AND CREAM RHYOLITE		15.85			
17										20.42 - 20.57 - 5-10% red jasper with 2-3% py		BRH-6 52-55	0.1	3	
18										21.34 - 21.49 - 5-7% red jasper with 1-2% py		16.76			
19										22.86 - 23.47 - 40-50% red jasper with 1-2% py		55-60	0.3	11	
20										27.43 - 27.74 - 25-30% red jasper with 1-2% py		18.29			
21										28.35 - 28.65 - 20-25% red jasper with 1-2% py		60-65	0.2	40	
22										29.57 - 29.87 - 40-50% red jasper with 1-2% py		19.81			
23										29.87 - 30.48 - 10-15% red jasper with tr-1% py		65-70	0.6	64	
24										25.90 - 26.21 - 40-50% red jasper with 1-2% py		100			
25												21.34			
26												70-75	1.2	60	
27												22.86			
28												75-80	0.3	18	
												24.38			
												80-85	0.3	15	
												25.91			
												85-90	0.3	11	
												27.43			
												90-95	0.1	7	

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. & INTERVAL	SPECIFIC GRAVITY	ASSAYS			
														(ppm) Ag	(ppb) Au		
28			Tr			3-5						BRH-6 90-95		0.1	7		
29			Tr			3-5						28.96					
30			Tr			1-2						95-100		0.3	5		
31										30.48 31.39		30.48 100-105		0.2	8		
32										32.31 33.53		32.00		0.1	1		
33			Tr			30-35						105-110					
34						30-35				34.14		33.53		0.2	1		
35										34.14-45.11 34.14-38.10 - Locally spherulitic balls up to 1 cm. dia. 100 no py visible.		110-115 35.05					
36			0			0				38.10-38.71 - 40-60% red jasper with tr-1% py 38.71-39.01 - 10-15% red jasper with 1-2% py		115-120		0.1	1		
37										41.76-42.06 - 20-30% red jasper with 1-2% py 42.06-42.67 - 10-15% red jasper with tr-1% py		36.58 120-125		0.1	1		
38										44.50-44.81 - 10-15% red jasper with 1-2% py		38.10		0.1	1		
39			Tr			50						125-130					
40			Tr									39.62		0.2	6		
41												41.15					
42			Tr			20-30						135-140		0.1	1		
43			Tr									42.67 140-145		0.1	7		

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. BRH-7 CLAIM BARB PROPERTY RHIB-PARB PAGE No. 1 of 7
 CORE SIZE 3 1/2" AZIMUTH 135° ELEV. COLLAR _____ LOGGED BY K. TAYLOR
 ANGLE OF HOLE -50° TOTAL DEPTH 300'(91.44m) NORTHING _____ DATE BEGUN 10/11/87 FINISHED 10/11/87
 SECTION BARB-A % RECOVERY 100 EASTING _____ CORE STORED AT SITE

ACID TEST

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS: Hole drilled at right angles to others to test for vein system running 045° from Barb outcrop.	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS					
													(ppm) Ag	(ppb) Au				
0								0.00-6.10	OVERBURDEN & GETTING CIRCULATION									
1								0										
2								0										
3								0										
4								0										
5								0										
6								0	6.10-14.63	CREAM TO GRAY RHYOLITE WITH CLAY - appears clay due to strong argillic alt'n	6.10							
7											BRH-7 20-25		0.4	1				
8											7.62		0.2	1				
9											25-30							
10										100	9.14		0.2	2				
11											10.67		0.1	1				
12											35-40							
13											12.19		0.1	1				
											40-45							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. INTERVAL	SPECIFIC GRAVITY	ASSAYS			
														(ppm) Ag	(ppb) Au		
13												BRH-7 40-45		0.1	1		
14												13.72					
15									14.63	14.63-17.98		45-50		0.1	2		
16			Tr									15.24					
17												50-55		0.2	1		
18									17.98	17.98-21.03		16.76					
19			Tr									55-60		0.1	1		
20												18.29					
21									21.03	21.03-25.30		100					
22			Tr							24.08-24.99		65-70		0.2	1		
23										3-5% black silica br with tr, py		21.34					
24												70-75		0.3	1		
25						3-5						22.86					
26									25.30	25.30-29.26		75-80		0.2	1		
27										GREEN RHYOLITE FLOW		24.38					
28			0									80-85		0.1	1		
												25.91					
												85-90		0.1	2		
												27.43					
												90-95		0.1	1		

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	DESCRIPTIVE GEOLOGY	% RECOVERY	SAMPLE No. & INTERVAL	SPECIFIC GRAVITY	ASSAYS		
														(ppm) Ag	(ppb) Au	
28												BH-7 90-95	0.1	1		
29			0									28-36 95-100	0.2	1		
30												30-48 100-105	0.1	4		
31												33-00 105-110	0.1	1		
32												33-53 110-115	0.2	1		
33												35-05 115-120	0.1	1		
34												36-58 120-125	0.3	3		
35												36-10 125-130	0.2	1		
36												39-62 130-135	0.2	3		
37												41-15 135-140	0.1	1		
38																
39																
40																
41																
42																
43												43-57 140-145	0.1	1		

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 8 INTERVAL	SPECIFIC GRAVITY	ASSAYS					
													(ppm) Ag	(ppb) Au				
									DESCRIPTIVE GEOLOGY									
43									29.26-56.39 (cont'd) GREEN AND CREAM RHYOLITE FLOWS		BRH-7							
44			Tr								140-145		0.1	1				
45											44.26							
46											145-150		0.2	1				
47			Tr								45.72							
48											150-155		0.1	1				
49											47.24							
50			Tr								155-160		0.1	1				
51											48.77	100						
52											160-165		0.2	4				
53										50.29								
54			Tr							165-170		0.3	1					
55										51.82								
56										170-175		0.2	1					
57			Tr							53.34								
58										175-180		0.1	1					
										54.86								
										180-185		0.1	4					
										56.39								
									56.39-57.91 MAROON AND CREAM RHYOLITE FLOWS		56.39							
										185-190		0.1	1					
										57.91								

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. BRU-8 CLAIM BARB PROPERTY RHUB-BARB PAGE No. 1 of 6
 CORE SIZE 3 1/2" AZIMUTH 225° ELEV. COLLAR _____ LOGGED BY K. TAYLOR
 ANGLE OF HOLE -60° TOTAL DEPTH 260'(79.25m) NORTHING _____ DATE BEGUN 11/11/87 FINISHED 11/11/87
 SECTION BARB-C % RECOVERY 100 EASTING _____ CORE STORED AT SITE

ACID TEST

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS: DESCRIPTIVE GEOLOGY	% RECOVERY	SAMPLE No. 8 INTERVAL	SPECIFIC GRAVITY	ASSAYS				
													(ppm) Ag	(ppb) Au			
0								0	0.00 - 9.14 OVERBURDEN AND GETTING CIRCULATION								
1								0									
2								0									
3								0									
4								0									
5								0									
6								0									
7								0									
8								0									
9								0	9.14 9.14-14.63 FAULT ZONE WITH DARK GRAY RHYOLITE		9.14						
10							F	0	- lot of clay gouge		BRU-8						
							F	0	13.72-14.63 - 30-40% black silica br with tv, py		30-35		0.1	1			
11							F	0			10.67						
12							F	0			35-40		0.1	1			
13							F	0			40-45		0.1	1			

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. @ INTERVAL	SPECIFIC GRAVITY	ASSAYS					
														(ppm) Ag	(ppt) Au				
28			4-6			70-80				28.35	28.35-28.96	CREAM RHYOLITE WITH BLACK SILICA BRECCIA		BRH-8					
29			1-2			25-30				28.96	28.35-28.96	25-30% black silica bx with 1-2% py		90-95		0.8	114		
30			3-5			70-80				28.96	28.96-30.48	DARK GRAY RHYOLITE WITH BLACK SILICA BRECCIA		95-100		2.5	155		
31			2-3			25-30				30.48	30.17-30.48	70-80% black silica bx with 2-3% py		30.48					
31			Tr			Tr-3				30.48	30.48-31.70	CREAM RHYOLITE WITH BLACK SILICA BRECCIA		100-105		0.5	61		
32			3-5			80-90				31.70	31.09-31.70	Tr-3% black silica bx with Tr py		32.00					
33			3-5			30-40				31.70	31.70-34.14	DARK GRAY RHYOLITE WITH BLACK SILICA BRECCIA		105-110		2.6	740		
34						Tr-3				34.14	34.14-34.75	CREAM RHYOLITE		33.53					
35			5-7			30-40				34.75	34.14-34.75	Tr-3% black silica bx with 3-5% py	100	110-115		0.6	265		
36						15-20				35.97	34.75-35.97	DARK GRAY RHYOLITE WITH BLACK SILICA BRECCIA		35.05					
37										35.97	34.75-35.36	30-40% black silica bx with 5-7% py		115-120		1.0	490		
38			Tr			Tr-3				35.97	35.36-35.97	15-20% black silica bx with 5-7% py		36.58					
39										35.97	35.97-40.54	CREAM RHYOLITE		120-125		0.3	91		
40									F	39.92				38.10					
41									F	40.54	40.54-51.51	FAULT ZONE WITH CREAM RHYOLITE		125-130		0.4	66		
42			Tr			Tr			F					39.62					
43									F					130-135		0.2	19		
									F					41.15					
									F					135-140		0.1	1		
														43.47					
														140-145		0.1	1		

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
43																			
44			Tr			Tr		F				BRH-8 140-145			0.1	1			
												44.20							
45								F				145-150			0.1	1			
46								F				45.72							
47			Tr			Tr		F	FAULT ZONE			150-155			0.1	1			
48								F				47.24							
49								F				155-160			0.1	6			
50								F				48.77							
51			Tr			Tr		F			100	160-165			0.1	1			
52								F		51.51 51.51-55.78 MAROON, GREEN AND CREAM RHYOLITE FLOWS 54.25 - Fault		50.29							
53								F				165-170			0.1	1			
54			0			0		F		51.82		170-175			0.1	2			
55								F		53.34		175-180			0.1	1			
56								F		54.86		180-185			0.3	1			
57			0			0		F	FAULT ZONE	55.78 55.78-58.22 FAULT ZONE - lot of clay		56.39			0.1	1			
58								F				185-190							
												57.91							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. & INTERVAL	SPECIFIC GRAVITY	ASSAYS				
														(ppm) Ag	(ppb) Au			
58										58.22		BRH-B						
59										58.22-62.79		190-195		0.2	15			
60			0			0						59.44						
61												195-200		0.2	1			
62												60.96						
63										62.79		200-205		0.3	6			
64										62.79-66.45		62.48						
65		Tr								GREEN RHYOLITE - talcose		205-210		0.1	1			
66												64.01						
67										66.45		210-215		0.1	1			
68			0			0				66.45-66.75		65.53						
69										BLACK BASALT (KIDAKO?) DYKE		215-220		0.1	1			
70										66.75-79.25		67.06						
71										CREAM AND LT. GREEN RHYOLITE		220-225		0.1	1			
72										69.80 - Fault		68.58						
73										73.15 - Fault		225-230		0.1	1			
										77.42-77.72 - Basalt dyke		70.10						
										69.80		230-235		0.1	1			
												71.62						
												235-240		0.2	1			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS	
													(ppm) Ag	(ppb) Au
73								73.15						
74								66.75-79.25 (cont'd)	CREAM AND LT. GREEN RHYOLITE		73.15 BRH-8 240-245		0.1	1
75											74.48 245-250		0.1	1
76										100	76.20 250-255		0.1	1
77											77.42 77.72		0.1	1
78											77.72 255-260		0.2	3
79								79.25	END OF HOLE		79.25			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppt) Au
13			3-5			15-20						SRH-1 40-45		0.5	19
14												13.72			
15			Tr			Tr		F		14.32	14.32 - 21.03	PROBABLE FAULT WITH GRAY AND GREEN RHY - lot of clay		0.1	4
16												15.24		0.2	12
17								F				16.76			
18			Tr			Tr		F	FAULT ZONE			18.29		0.2	22
19												19.81		0.1	8
20								F				100			
21			Tr			Tr		F		21.03	21.03 - 51.21	GRAY AND GREEN RHYOLITE 24.08 - 24.69 - Fault Zone		0.1	3
22												21.34		0.6	17
23												22.86			
24			Tr			Tr		F	FAULT	24.08				0.2	7
25										24.69					
26												24.38		0.2	3
27			Tr			Tr						25.91		0.2	1
28												27.45		0.2	11
												90-95			

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
28												SRH-1							
29			Tr			Tr				21.03-51.21 (cont'd) GRAY AND GREEN RHYOLITE		90-95			0.2	11			
30			Tr			Tr				34.14-34.44 - 1-3% dk. gray silica bx with 1-2% py	28%								
31										34.75-37.49 - 1-3% dk gray silica bx with 1-2% py		95-100			0.2	8			
32			Tr			Tr				39.62-44.20 - 3-5% dk gray silica bx with tr. py.									
33												30-48							
34												100-105			0.5	10			
35			1-2 Tr			1-3 Tr						32.00							
36												105-110			0.2	7			
37			1-2			1-3						33.53							
38												110-115			0.1	9			
39												35.05							
40												115-120			0.1	11			
41												36.58							
42												120-125			0.2	13			
43												38.10							
												125-130			0.3	2			
												39.62							
												130-135			0.3	20			
												41.15							
												135-140			0.1	9			
												43.47							
												140-145			0.2	1			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppb) Au
73			5-5								73.15				
74			1-2								SRH-1 240-245		0.5	17	
75								74.68	74.68-77.11 DARK GRAY AND LT. GREEN-GRAY RHYOLITE ± CLAY 74.68-77.11 - 2-3% coarse py.		74.68	245-250	0.1	1	
76			2-3								76.20				
77								77.11	77.11-78.33 GREEN AND RED-BROWN DACITE		250-255		0.1	4	
78			Tr					78.33	78.33-78.94 LT. GREEN ALTERED RHYOLITE		77.72	255-260	0.1	1	
79									78.94-81.38 S.O.S WITH DK. GRAY AND LT. GRAY RHYOLITE		79.25				
80			1-2						78.94-81.38 - 1-2% py.	100	260-265		0.4	3	
81								80.47	80.47 - Fault		80.77				
82			Tr					81.38	81.38-81.99 LT. GREEN ALTERED RHYOLITE		265-270		0.2	1	
			1-2					81.99	81.99-82.60 S.O.S WITH DK. GRAY AND LT. GRAY RHYOLITE		82.30				
83								82.60	81.99-82.60 - 1-2% py.		270-275		0.3	3	
								82.91	82.60-82.91 LT. GREEN ALTERED RHYOLITE		83.82				
84			Tr						82.91-84.12 S.O.S. WITH DK. GRAY AND LT. GRAY RHYOLITE		275-280		0.7	1	
								84.12	84.12-84.73 LT. GREEN ALTERED RHYOLITE		85.34				
85								84.73	84.73-91.44 S.O.S WITH DK. GRAY AND LT. GRAY RHYOLITE		280-285		0.5	1	
									86.26 - Fault		86.87				
86									87.78 - Fault		285-290		0.6	4	
87			Tr					86.26							
88								87.78							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
13																			
14			3-5			0						SRH-2 40-45			0.1	1			
15												13.72							
16										15.24		45-50			0.1	1			
17										15.24		15.24							
18										15.24 - 17.68		50-55			0.2	1			
19										17.68 - 31.39		16.76							
20										17.68 - 31.39 - Tr. black silica bx with 1-2% py.		55-60			0.4	14			
21												18.29							
22												60-65			0.1	1			
23												19.81							
24												65-70			0.2	1			
25												21.34							
26												70-75			0.2	1			
27												22.86							
28												75-80			1.0	1			
												24.38							
												80-85			0.1	1			
												25.91							
												85-90			0.1	1			
												27.43							
												90-95			0.1	2			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
28												SRH-2							
29												90-95							
30			1-2			Tr		F	FAULT ZONE			28.96							
31								F				95-100							
32								F		31.39 - 38.10 FAULT ZONE WITH CREAM TO MED. GRAY RHY. 31.39-35.05 - Tr-1% py		30.48							
33			Tr			0		F		35.05-38.10 - 1-3% py		100-105							
34								F	FAULT ZONE			32.00							
35								F				105-110							
36			1-3			0		F				33.53							
37								F				110-115							
38								F				35.05							
39								F		38.10 - 41.15 CREAM TO LT GRAY RHYOLITE ± CLAY 38.10-41.15 - 1-3% py		115-120							
40			1-3			0		F				36.58							
41								F		41.15 - 43.89 FAULT ZONE WITH CREAM TO LT. GRAY RHY. 41.76 - (2) amethyst chips		120-125							
42								F	FAULT ZONE	41.15-43.89 - 1-3% py		38.10							
43								F				125-130							
								F				39.62							
								F				130-135							
								F				41.15							
								F				135-140							
								F				42.47							
								F				140-145							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. a	INTERVAL	SPECIFIC GRAVITY	ASSAYS			
															(ppm) Ag	(ppb) Au		
58												SRH-2						
59						0						190-195			0.1	1		
60			T3									59.44						
61												195-200			0.4	1		
62			T3			Tr-3						60.96						
63												200-205			0.3	5		
64												62.48						
65												205-210			0.5	10		
66			T3			Tr-3						64.01						
67												210-215			0.1	11		
68												65.53						
69												215-220			0.2	7		
70												67.06						
71												220-225			0.4	1		
72												68.58						
73												70.10						
												225-230			0.3	1		
												71.62						
												230-235			0.1	1		
												72.54						
												235-240			0.1	1		

55.78-63.40 (cont'd) CREAM TO LT. GRAY-GREEN RHYOLITE

63.40-64.01 FAULT ZONE WITH S.O.S.
 63.40-64.01 - Tr-3% black silica bx with 1-3% py.
 64.01-66.75 CREAM TO LT. GRAY-GREEN RHYOLITE
 64.01-66.75 - Tr-3% black silica bx with 1-3% py.

66.75-67.36 FAULT ZONE
 66.75-67.36 - Tr-3% black silica bx with 1-3% py.
 67.36-72.54 CREAM TO LT. GRAY-GREEN RHYOLITE
 67.36-72.54 - Tr-3% black silica bx with 1-3% py.

72.54-73.46 OPEN CAVITY? - ELYTIC ROCK FRAGMENTS

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS			
															(ppm) Ag	(ppb) Au		
73			0			0			CAVITY	73.46 - 74.37 CREAM TO LT. GRAY-GREEN RHYOLITE		73.15						
74			1-3			Tr-3				73.46-74.37 - Tr-3% black silica bx with 1-3% py		SRH-2 240-245		0.2	6			
75										74.37 - 74.37 - 82.30 LT. GRAY ALTERED RHYOLITE		74.68						
76										77.72 - (1) amethyst chip		245-250		0.1	3			
77										78.64 - (1) amethyst chip		76.20						
78										79.55 - (1) amethyst chip		250-255		0.2	1			
79												77.72						
80												255-260		0.1	4			
81												79.25						
82												260-265		0.6	1			
83										82.30 - 82.30 - 83.21 LT. GREEN ALTERED RHYOLITE		80.77						
84										83.21 - 83.21 - 84.73 MED. GREEN AND MAROON RHYOLITE FLOWS		265-270		0.1	1			
85										84.73 - 84.73 - 87.17 FAULT ZONE WITH GREEN ALTERED RHYOLITE		82.30						
86									FAULT ZONE			270-275		0.1	3			
87												83.82						
88										87.17 - 87.17 - 88.39 MED. GREEN AND MAROON RHYOLITE FLOWS		275-280		0.1	6			
												85.24						
												280-285		0.1	5			
												86.87						
												285-290		0.1	1			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. @ INTERVAL	SPECIFIC GRAVITY	ASSAYS					
														(ppm) Ag	(ppb) Au				
13																			
14			0			0			GETTING CIRCUL.		0								
15																			
16									15.24	15.24 - 23.77 MED. GRAY RHYOLITE		15.24							
17										21.34 - 23.77 - Tr - 1% dk gray silica bx with 1-2% py.		SRH-3		0.9	23				
18										21.95 - Fault		50-55							
19										23.16 - Fault		16.76		0.3	8				
20												55-60							
21												18.29		0.2	27				
22												60-65							
23												19.81		0.3	9				
24												65-70							
25												100							
26												21.34		0.5	10				
27												70-75							
28												22.86		0.1	4				
29												75-80							
30												24.38		0.1	6				
31												80-85							
32												25.91		0.4	1				
33												85-90							
34												27.43		0.1	1				
35												90-95							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS			
															(ppm) Ag	(ppb) Au		
28			0			0						SRH-3	90-95		0.1	1		
29										28.96	28.96 - 36.58	WHITE RHYOLITE	28.96	95-100	0.2	1		
30			1-2			Tr-1							30.48	100-105	0.1	5		
31													32.00	105-110	0.7	39		
32													33.53	110-115	0.6	10		
33													35.05	115-120	0.5	28		
34													36.58	120-125	0.1	4		
35			1-3			20-25							38.10	125-130	0.1	3		
36													39.42	130-135	0.1	1		
37										36.58	36.58 - 49.68	MED GRAY RHYOLITE	36.58	135-140	0.1	1		
38													41.15	140-145	0.1	1		
39													42.47	140-145	0.1	1		
40																		
41																		
42																		
43																		

FAULT ZONE

28.96 28.96 - 36.58 WHITE RHYOLITE
 - large chunks of rock so could be fracture zone.
 32.00 - 36.58 - 20-25% tan silica bx with 1-3% py.
 34.44 - (1) amethyst chip

36.58 36.58 - 49.68 MED GRAY RHYOLITE
 36.58 - 46.63 - Tr-3% dk gray silica bx with tr-1% py
 46.63 - 46.94 - Fault, 5-7% dk gray silica bx with 1-2% py
 46.94 - 49.68 - Tr-3% dk gray silica bx with tr-1% py

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BREGGA	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS			
															(ppm) Ag	(ppt) Au		
43												SRH-3						
44												140-145						
45			Tr-1			Tr-3						44.20	145-150			0.1	1	
46												45.72						
47			1-2			5-7		F	FAULT	46.43 46.94		47.24	150-155			0.2	6	
48			Tr-1			Tr-3						48.24	155-160			0.1	1	
49												48.77						
50										49.68		100	160-165			0.1	1	
51								F	FAULT ZONE	49.68-51.21 - Tr-3% dk gray silica bx with tr-1% py		50.29						
52								F		51.21		51.82						
53								F		51.21-52.12 FAULT ZONE WITH LT. GRAY AND GREEN RHYOLITE								
54								F		52.12-52.12 - Tr-3% dk gray silica bx with tr-1% py								
55								F		52.12-56.69 FAULT ZONE WITH LT. GRAY RHYOLITE								
56								F		52.12-54.25 - 10-15% black/gray silica bx with 1-3% py								
57								F		54.25-54.86 - 3-5% dk gray silica bx with tr-1% py								
58								F		54.86-55.17 - 20-30% black silica bx with 1-3% py								
59								F		- (S) amethyst chips								
60								F		55.17-56.39 - 3-5% black silica bx with 1-2% py.								
61								F		56.39-56.69 - 5-10% dk gray silica bx with 1-2% py.								
62								F		56.69		54.86	180-185			0.1	2	
63										56.69-62.18 LT. GRAY RHYOLITE								
64										56.69-57.91 - Tr-3% dk gray silica bx with tr-1% py								
65										57.91-58.52 - 5-10% dk gray silica bx with 1-3% py								
66												56.39						
67												57.91	185-190			0.1	1	

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) As			
73																			
74			1-2			3-5				70.71-77.11 (cont'd) LT. GREEN AND MED. GRAY RHYOLITE		7315							
										74.07-77.11 - 60-80% gray±blk. silica bx with 1-3% py.		SRH-3							
												240-245				0.2	1		
75												7448							
76			1-3			60-80						245-250				0.1	2		
77												7620							
												250-255				0.1	6		
78										77.11									
										77.11-83.21									
										77.11-77.42 - 30-40% black silica bx with 1-2% py.		7772							
79									F	78.33									
										77.42-81.99 - Tr-3% dk gray silica bx with tr-1% py.		255-260				0.1	1		
										78.33 - Fault									
80			Tr-1			Tr-2			F	79.25									
										79.25-79.55 - Fault		7925							
									F	80.16									
										80.16 - Fault		100				0.1	1		
										81.99-83.21 - Tr. dk gray silica bx with 4-6% py.		260-265							
81												8077							
												265-270				0.1	1		
82																			
												82.30							
83												270-275				0.2	1		
84									F	83.21									
										83.21-86.56									
										Fault zone with med. green and maroon rhy. - minor sections of solid rock within interval.		83.82							
85			4-6			Tr			F	83.21-86.56 - Tr. dk gray silica bx with 4-6% py.		275-280				0.1	1		
86									F										
												85.34							
												280-285				0.2	1		
87						Tr				86.56									
										86.56-87.17 - Tr. dk. gray silica bx with 4-6% py.		86.87							
88			1-3							87.17-87.48 - Tr. dk. gray silica bx with 1-3% py.		285-290				0.1	1		

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS			
														(ppm) Ag	(ppb) Au		
103						5-10				92.05-116.13 (cont'd) LT. PISTACHIO GREEN ROCK		SRH-3 335-340		0.7	1		
104			Tr			15-20		F		103.63		103.63		0.9	1		
105												340-345					
106			Tr			3-5						105.16		0.1	1		
107			Tr			10-15						106.48		0.3	1		
108												350-355					
109			Tr			3-5						108.20		0.1	1		
110												355-360					
111			5-7			5-10						109.73		0.1	1		
112												360-365					
113			Tr			3-5						111.25		0.1	2		
114			5-7			5-10						365-370					
115			Tr			3-5		F		116.13-121.01 MED. TO DARK GRAY RHYOLITE		114.30		0.1	1		
116										- minor pistachio green rock - blue green rock minor → fair down interval		115.82		0.1	2		
117			4-6			6-10				116.13-117.65 - 60-70% dk gray silica bx with 4-6% py		375-380					
118			Tr-1			3-5				117.65-118.57 - 30-50% dk gray silica bx with tr-1% py.		380-385		0.1	2		
												117.35		0.1	1		
												385-390					

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. & INTERVAL	SPECIFIC GRAVITY	ASSAYS			
														(ppm) Ag	(ppb) Au		
118			Tr			30-50				116.13-121.01 (cont'd) MED. TO DARK GRAY RHYOLITE		SRH-3 385-390		0.1	1		
119			Tr			4-15				118.57-118.87 - Pistachio green rock, 10-15% bx with tr. py.		118.87					
120			Tr			30-50				118.87-120.09 - 30-50% dk gray silica bx with tr-1% py.		390-395		0.1	1		
121			4-6			6-70				120.09-121.01 - 60-70% dk gray silica bx with 4-6% py.		120.40					
122			Tr			8-6				121.01-122.83 WHITE TO LT. GRAY AND BLUE-GREEN RHYOLITE		395-400		0.1	1		
123										121.01-122.83 - 40-50% dk gray silica bx with tr-1% py.		121.92					
124			5-7							122.83-133.20 GREEN AND MAROON RHYOLITE FLOWS		400-465		0.1	3		
125			Tr							122.83-123.44 - Tr. dk gray silica bx with tr-1% py.		123.44					
126			4-6							123.44-123.75 - Tr. dk gray silica bx with 5-7% py.		405-410		0.1	1		
127										123.75-124.66 - Tr. dk gray silica bx with tr-1% py.		124.97					
128			Tr							124.66-124.97 - Tr. dk gray silica bx with 4-6% py.		410-415		0.2	1		
129										124.97-131.37 - Tr. dk gray silica bx with tr-1% py.		126.49					
130										131.37-133.20 - 1-3% py.		415-420		0.1	1		
131												128.02					
132			1-3			0						420-425		0.1	1		
133												129.54					
												425-430		0.1	1		
												131.66					
												430-435		0.2	2		
												132.89					
												435-440		0.2	11		

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. @ INTERVAL	SPECIFIC GRAVITY	ASSAYS				
													(ppm) Ag	(ppb) Au			
133			Tr	15					133.20-143.26 LT. PISTACHIO GREEN ROCK		SRH-3						
134			Tr						133.20-133.81 - Tr-1% py		435-440		0.2	11			
135			Tr						133.81-134.11 - 4-6% py		134.11						
136			Tr						134.11-134.72 - Tr-1% py		440-445		0.5	7			
137			Tr						134.72-135.03 - 4-6% py		135.64						
138			Tr						135.03-137.77 - Tr-1% py		445-450		0.4	2			
139			Tr						137.77-138.07 - 1-3% py		137.16						
140			Tr						138.07-139.29 - Tr-1% py		450-455		0.1	1			
141			Tr						139.29-139.60 - 1-3% py		138.68						
142			Tr						139.60-143.26 - Tr-1% py		455-460		0.1	3			
143									143.26 END OF HOLE		140.21						
											460-465		0.2	2			
											141.75						
											465-470		0.2	5			
											143.26						

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. SRH-4 CLAIM RHUB B PROPERTY RHUB-BARB PAGE No. 1 of 5
 CORE SIZE 3 1/2" AZIMUTH 070° ELEV. COLLAR _____ LOGGED BY K.TAYLOR
 ANGLE OF HOLE -50° TOTAL DEPTH 230'(70.10m) NORTHING _____ DATE BEGUN 18/11/87 FINISHED 19/11/87
 SECTION _____ % RECOVERY 100 EASTING _____ CORE STORED AT SITE

ACID TEST

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppm) Ag	(ppb) Au
0									D	0.00 - 3.05 OVERBURDEN AND GETTING CIRCULATION - Rock at 9'(2.7m)	0					
1									0							
2									0							
3									D	3.05 - 20.73 CREAM TO WHITE RHYOLITE		3.05				
4										- yellow brown weathering 3.05 - 7.32 - 3-5% dk gray silica bx with tr. py.		SRH-4 10-15		0.1	1	
5			Tr			3-5				7.32 - 7.62 - 30-40% dk gray silica bx with 1-3% py.		4.97		6.3	120	
6										7.62 - 9.45 - Tr-3% dk gray silica bx with tr. py.		15-20				
7										8.23 - 8.53 - Fault		6.10		41.9	300	
8										9.45 - 9.75 - 30-40% dk gray silica bx with 1-3% py.		20-25				
9			Tr			30-40			F	16.76 - 17.07 - 3-5% dk gray silica bx with tr. py.	100	7.62		31.9	380	
10										17.07 - 20.73 - Tr. dk gray silica bx with tr. py.		9.14		4.8	89	
11												10.67		0.6	12	
12			Tr			30-40						12.19		0.4	21	
13												40-45				

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppm) Ag	(ppb) Au
13												SRH-4	40-45		0.4	21
14												13.72				
15			Tr			Tr						45-50		0.1	1	
16												15-24		0.3	2	
17						3-5						16.76		0.3	5	
18												18.29				
19			Tr			Tr						60-65		0.4	7	
20												19.81				
21										20.73	20.73-25.60	PINKISH WHITE RHYOLITE	65-70	1.5	45	
22												21.34		0.5	13	
23			0			0						22.06		0.4	8	
24												24.38		0.7	18	
25												80-85				
26			Tr			Tr			F7 FAULT	25.60	25.60-27.74	CREAM TO WHITE RHYOLITE	25.91	0.9	15	
27			0			0						85-90				
28									F FAULT	27.74	27.74-28.95	FAULT ZONE WITH LT. BROWN RHYOLITE	27.43	0.7	22	

- colour possibly due to cinnibar
 - no visible sulphides or bx.
 23.47-23.77 - minor emerald green rock.
 25.30-25.60 - minor emerald green rock
 with lot of clay - fault?

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppm) Ag	(ppb) Au
28									F	FAULT ZONE		SRH-4				
29			0						F	28.95 28.95-30.48	FAULT ZONE WITH LT. GREEN RHYOLITE	90-95			0.7	22
30			Tr						F	29.57-29.87 - 5-7% py		28.96				
30			Tr						F	29.87-30.48 - Tr-1% py		95-100			1.1	29
31			Tr						F	30.48 30.48-32.00	CREAM TO WHITE RHYOLITE	30.48			0.4	11
32									F	30.48-32.00 - Minor emerald green rock, tr. py		100-105				
33			Tr						F	32.00 32.00-35.36	FAULT ZONE WITH LT. PISTACHIO GREEN RHY.	32.00			0.5	9
34									F			105-110				
35			Tr						F			35.53			0.6	10
36									F	35.36-35.97	FAULT ZONE WITH CREAM TO WHITE RHYOLITE	110-115				
37			4-6						F	35.97 35.97-43.28	CREAM TO WHITE RHYOLITE WITH SILICA BRECCIA	115-120			0.4	14
38						70-80				35.97-40.54 - Fracture zone - large chunks of rock		36.58			25.3	470
39										35.97-37.80 - 70-80% dk gray silica bx with 4-6% py		120-125				
40										37.80-40.54 - 70-80% dk gray silica bx with 6-8% py		28.10			46.2	2090
41			6-8							Fracture zone		125-130				
42												39.62			35.4	650
43			4-6			15-20						41.15			8.0	440
												42.67				
												140-145			6.1	187

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. 6	INTERVAL	SPECIFIC GRAVITY	ASSAYS				
															(ppm) Ag	(ppb) Au			
43			4-6					F	FAULT	43.28		SRH-4							
44			Tr			15-20				43.28-47.24	LT.-MED. GRAY RHYOLITE	140-145			6.1	187			
45			Tr			Tr-3				43.28-45.72	Tr-3% dk gray silica bx with tr. py	44.20							
46			Tr			5-10				45.72-47.24	5-10% dk gray silica bx with tr-1% py	145-150			3.5	113			
47			Tr			Tr-3						45.72							
48			Tr			5-10				47.24	47.24-52.73	CREAM TO LT. GRAY RHYOLITE	150-155		2.3	74			
49						Tr-3				47.24-48.16	Tr-3% dk gray silica bx with tr. py	47.24			2.0	31			
50			4-6			5-10		S		48.16-52.12	5-10% dk gray silica bx with 4-6% py	46.77							
51								S		49.07-52.12	Shear zone, some clay	160-165	100		3.7	58			
52								S		52.12-52.73	10-15% dk gray silica bx with 4-6% py	50.39							
53			4-6			10-15		F		Shear zone		170-175			5.2	34			
54						5-10		F		52.73	52.73-61.57	FAULT ZONE WITH CREAM TO LT. GRAY RHYOLITE	51.82						
55			7-10			3-5		F		52.73-54.25	5-10% dk gray silica bx with 4-6% py	53.34							
56								F	FAULT ZONE	54.25-56.08	3-5% dk gray silica bx with 7-10% py	175-180			3.7	128			
57			1-2			3-5		F		56.08-57.91	3-5% dk gray silica bx with 1-2% py	54.86							
58						10-15		F		57.91-59.44	3-5% dk gray silica bx with 10-15% py	180-185			3.6	89			
										59.44-61.57	30-50% dk gray silica bx with 4-6% py	56.39							
												185-190			4.3	38			
												57.91							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. @ INTERVAL	SPECIFIC GRAVITY	ASSAYS					
														(ppm) Ag	(ppb) Au				
58																			
59			35			35		F	Fault Zone	52.73-61.57 (cont'd) FAULT ZONE WITH CREAM TO LT. GRAY RHYOLITE		SRH-4 190-195		4.6	93				
60			46			30-38		F				59.44 195-200		1.9	43				
61								F				60.96 200-205		1.9	46				
62						Tr-1				61.57-70.10 MED. GRAY PORPHYRITIC RHYOLITE FLOWS - looks like "feeder zone" of chalcedonic veinlets with trace pyrite. Dissem py in rock - phenos? of dark and lt. green rock	100	62.48 205-210		1.1	27				
63										61.57-70.10 Tr-1% dk gray chalcedony veinlets with 4-6% dissem. py (in rock)		64.01 210-215		0.8	33				
64		46										65.83 215-220		0.2	9				
65						Tr-1						67.06 220-225		0.6	18				
66												68.58 225-230		0.7	16				
67																			
68																			
69		46				Tr-1													
70										70.10 END OF HOLE		70.10							

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. SRH-5 CLAIM RHUB B PROPERTY RHUB-BARB PAGE No. 1 of 7
 CORE SIZE 3 1/2" AZIMUTH 160° ELEV. COLLAR _____ LOGGED BY K. TAYLOR
 ANGLE OF HOLE -50° TOTAL DEPTH 300' (91.44m) NORTHING _____ DATE BEGUN 19/11/87 FINISHED 20/11/87
 SECTION SILVER-A % RECOVERY 100 EASTING _____ CORE STORED AT SITE

ACID TEST

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS			
															(ppm) Ag	(ppb) Au		
0									0	0.00 - 6.10 OVERBURDEN AND GETTING CIRCULATION - Rock at 2' (0.61m)	0							
1																		
2																		
3									Getting Circul.									
4																		
5																		
6										6.10 - 10.67 CREAM TO WHITE RHYOLITE	100	SRH-5	20-25	1.0	45			
7										9.75 - 10.36 - Tr-3% dk gray silica bx with tr. py.								
8										10.36 - 10.67 - 10-15% dk gray silica bx with 1-2% py								
9																		
10			Tr			Tr-5												
11			Tr			Tr-5				10.67 10.67 - 27.43 PINKISH WHITE RHYOLITE								
			Tr			Tr-5				- colour possibly due to cinnabar								
12			Tr			Tr-5				10.67 - 11.28 - Tr-3% dk gray silica bx with tr. py.								
			Tr			Tr-5				11.28 - 11.58 - S-10% dk gray silica bx with 1-2% py								
13			Tr			Tr-5				11.58 - 13.41 - 3-5% dk gray silica bx with tr-1% py								

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO. B	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppm) Ag	(ppt) Au
13			Tr-1			3-5				10.67 - 27.43 (cont'd) PINKISH WHITE RHYOLITE		SRH-5 40-45			3.9	29
14			1-2			5-10				13.41 - 14.02 - 5-10% dk gray silica bx with 1-2% py		13.72				
			1-3			15-20				14.02 - 14.63 - 15-20% dk. gray silica bx with 1-3% py.			45-50		3.4	48
15			1-2			5-10				14.63 - 15.54 - 5-10% dk. gray silica bx with 1-2% py.						
										15.54 - 16.15 - 40-50% dk. gray silica bx with 3-5% py.		15.24				
16			3-5			40-50				16.15 - 17.07 - 5-10% dk. gray silica bx with 1-2% py.			50-55		2.8	26
			1-2			5-10				17.07 - 19.20 - 30-40% dk. gray silica bx with 4-6% py.						
17										19.20 - 20.12 - Tr-3% dk. gray silica bx with tr. py.		16.76				
										20.12 - 20.42 - 15-20% dk. gray silica bx with 1-2% py.			55-60		4.7	220
18			4-6			30-40				20.42 - 21.03 - 3-5% dk. gray silica bx with 1-2% py.						
										21.03 - 21.34 - 40-50% dk. gray silica bx with 1-3% py.		18.29				
19										21.34 - 23.16 - 3-5% dk. gray silica bx with tr. py.			60-65		2.2	95
			Tr			Tr-3	15-20			23.16 - 24.08 - 40-50% dk. gray silica bx with 4-6% py.						
20										24.08 - 24.38 - 15-20% dk. gray silica bx with 1-2% py.		19.81				
			1-2			3-5				24.38 - 24.69 - 30-40% dk. gray silica bx with 3-5% py.			65-70		1.3	41
21			1-3			40-50				24.69 - 24.99 - 5-10% dk. gray silica bx with tr-1% py.						
										24.99 - 27.43 - Tr-3% dk. gray silica bx with tr. py.		21.34				
22			Tr			3-5				25.60 - 27.43 - Shear zone, some clay			70-75		8.6	54
23												22.86				
24			4-6			40-50							75-80		9.0	121
			1-2			15-20	30-40									
25			3-5			5-10						24.38				
			Tr-1										80-85		12.0	87
26			Tr			Tr-3		S		Shear zone		25.91				
								S					85-90		6.7	83
27										27.43 - 34.75 FAULT ZONE WITH MED-LT. GRAY RHYOLITE						
								F	FAULT	27.43 - 34.75 - Tr-3% dk. gray silica bx with tr. py.		27.43				
28												90-96			0.9	12

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERED	SAMPLE No. & INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppb) Au
28												SRH-5 90-95		0.9	12
29								F				28.96			
30												95-100		0.4	3
31			Tr			Tr-3		F	FAULT ZONE			30.48		0.3	11
32												100-105			
33								F				32.00		0.2	1
34												105-110			
35			Tr			Tr-3		F		34.75 34.75-40.84 FAULT ZONE WITH LT. GREEN-GRAY RHYOLITE 34.75-40.84 - Tr-3% dk gray silica bx with tr. py.	100	33.53		0.1	1
36								F				110-115			
37												35.05		0.1	1
38								F	FAULT ZONE			115-120			
39												34.58		0.2	13
40			Tr			Tr-3		F				120-125			
41												38.10		0.1	1
42		5-7				5-5		F	FAULT ZONE	40.84-41.76 FAULT ZONE WITH MED. GRAY RHYOLITE 40.84-41.76 - 3-5% dk gray silica bx with 5-7% py		39.62		0.1	1
43		6-8				5-10		F	FAULT ZONE	41.76-46.02 FAULT ZONE WITH LT. GREEN-GRAY RHYOLITE 41.76-46.02 - 5-10% dk gray silica bx with 6-8% py		41.15		1.1	33
												42.67		1.0	49
												140-145			

SCALE (M.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppt) Au
43												SRH-5 140-145		1.0	49
44			6-8			5-10		F	FAULT ZONE			44.20			
45								F				145-150		0.8	20
46								F				45.72			
47			5-7			0		F	FAULT ZONE	46.02 46.02-47.85 FAULT ZONE WITH MED. GRAY AND LT. GREEN RHY. 46.02-47.85 - 5-7% py.		150-155		1.5	29
48			Tr			Tr		F	FAULT ZONE	47.85 47.85-49.68 FAULT ZONE WITH LT. GREEN ± WHITE RHYOLITE 47.85-48.16 - Tr. dk gray silica bx with tr. py.		47.24 155-160		1.4	25
49			3-5			0		F	FAULT ZONE	48.16-49.68 - 3-5% py.		48.77			
50										49.68-51.21 MED. GRAY RHYOLITE	100	160-165		4.7	148
51			4-6			25-40				49.68-50.90 - 25-40% dk. gray silica bx with 4-6% py		50.29			
52			5-7			40-60				50.90-51.21 - 40-60% dk gray silica bx with 5-7% py		165-170		7.6	139
53			Tr			5-10		F	FAULT ZONE	51.21 51.21-59.74 FAULT ZONE WITH TAN RHYOLITE		51.82			
54			4-6			30-40				51.21-51.82 - 5-10% dk gray silica bx with tr. py		170-175		7.2	230
55			5-7			50-60		F	FAULT ZONE	51.82-53.34 - 30-40% dk gray silica bx with 4-6% py		53.34			
56										53.34-53.64 - 50-60% dk gray silica bx with 5-7% py		175-180		4.1	159
57										53.64-57.30 - 30-40% dk gray silica bx with 6-8% py		54.86			
58			6-8			30-40		F	FAULT ZONE	57.30-58.83 - 15% dk gray silica bx with 6-8% py		180-185		19.6	187
										58.83-59.74 - 30-50% dk gray silica bx with 8-10% py		56.39			
												185-190		8.5	270
												57.91			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS: DESCRIPTIVE GEOLOGY	% RECOVERY	SAMPLE No. B INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppt) Au
73						30-50		F		71.32-75.59 (cont'd) FAULT ZONE WITH LT. GRAY TO WHITE RHYOLITE		73.15			
74			6-8			15-25		F	FAULT ZONE	74.68-75.59- 20-30% dk gray silica bx with 4-6% py		SRH-5 240-245	1.6	54	
75			4-6			20-30		F				74.68			
76			5-7			30-40		F		75.59 75.59-76.50 FAULT ZONE WITH LT. GREEN, TAN AND GRAY RHY.		245-250	1.8	83	
77			5-7			15-20		F	FAULT ZONE	76.50 75.59-76.50 - 30-40% dk gray silica bx with 5-7% py		76.20			
78			5-7			40-60		F	FAULT ZONE	76.50-79.25 FAULT ZONE WITH LT. PISTACHIO GREEN, PINKISH WHITE & GRAY RHY.		250-255	0.7	32	
79			4-6			15-20		F		77.11-78.33-40-60% dk gray silica bx with 5-7% py		77.72			
80								F		78.33-79.25 - 15-20% dk gray silica bx with 4-6% py.		255-260	1.9	87	
81			4-6			15-20		F	FAULT ZONE	79.25 79.25-84.73 FAULT ZONE WITH BANDED CREAM AND MED. GRAY RHY.	100	79.25			
82								F		79.25-82.30-15-20% dk gray silica bx with 4-6% py.		260-265	1.6	33	
83			3-5			15-20		F		82.30-83.21-40-60% black silica bx with 4-6% py.		80.77			
84			4-6			15-20		F	FAULT ZONE	83.21-83.82-15-20% black silica bx with 3-5% py		265-270	1.1	43	
85			3-5			15-20		F		83.82-84.12-40-50% black silica bx with 4-6% py.		82.50			
86			4-6			50-75				84.12-84.73-15-20% black silica bx with 3-5% py		270-275	1.5	44	
87			1-3			20-30				84.73 84.73-91.44 BANDED CREAM AND MED. GRAY RHYOLITE		83.82			
88										84.73-86.87-50-75% black silica bx with 4-6% py		275-280	0.8	36	
										86.87-88.39-20-30% dk gray silica bx with 1-3% py		85.34			
										88.39-91.44 - 10-15% dk gray silica bx with 1-3% py.		280-285	1.8	47	
												86.87			
												285-290	1.0	34	

MINGOLD RESOURCES — REVERSE CIRCULATION DRILL LOG

HOLE No. SRH-6 CLAIM RHUB 8 PROPERTY RHUB-BLRB PAGE No. 1 of 7
 CORE SIZE 3 1/2" AZIMUTH 160° ELEV. COLLAR _____ LOGGED BY K. TAYLOR
 ANGLE OF HOLE -50° TOTAL DEPTH 300'(91.4m) NORTHING _____ DATE BEGUN 20/11/87 FINISHED 21/11/87
 SECTION SILVER-C % RECOVERY 100 EASTING _____ CORE STORED AT SITE

ACID TEST

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO.	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppm) Ag	(ppb) Au
0									0	0.00-10.67 OVERBURDEN AND GETTING CIRCULATION						
1									0	- Rock at 30'(9.14m)						
2									0							
3									0							
4									0							
5									0							
6									0							
7									0							
8									0							
9									0							
10									0	9.14						
										GETTING CIRCUL.						
										10.67						
11			Tr			Tr-3	60-70			10.67-11.28 CREAM TO WHITE RHYOLITE		10.67				
			Tr-1							10.67-11.28-Tr-3% dk gray silica bx with tr. py.		SRH-6				
12								F		11.28-14.02 FAULT ZONE WITH CREAM TO WHITE RHYOLITE		35-40		2.5	27	
			Tr			Tr-3				11.28-11.58 - 60-70% dk gray silica bx with tr-1% py.	100					
13								F		11.58-13.72-Tr-3% dk gray silica bx with tr. py.		12.19		7.8	101	
												40-45				

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE NO.	INTERVAL	SPECIFIC GRAVITY	ASSAYS	
															(ppm) Ag	(ppb) Au
13												SRH-6				
14									F	11.28-14.02 (cont'd) FAULT ZONE WITH CREAM TO WHITE RHYOLITE		40-45			7.8	101
										13.72-14.02-40-50% dk gray silica bx with tr-1% py.		13.72				
15										14.02-16.76 CREAM TO WHITE RHYOLITE		45-50			5.8	105
										14.02-16.76-Tr-3% dk gray silica bx with tr. py.						
16												15.24			2.7	75
												50-55				
17									F	16.76-25.60 FAULT ZONE WITH CREAM TO WHITE RHYOLITE		16.76				
										16.76-17.37-Tr-3% dk gray silica bx with tr. py.		55-60			9.0	102
18										17.37-17.68-30-40% dk gray silica bx with tr-1% py.						
										17.68-18.29-Tr-3% dk gray silica bx with tr. py.		18.29				
19										18.29-18.59-50-60% dk gray silica bx with tr-1% py.		60-65			3.5	101
										18.59-20.42-Tr-3% dk gray silica bx with tr. py.	100					
20										20.42-20.73-5-10% dk gray silica bx with tr. py.		19.81				
										20.73-23.77-Tr-3% dk gray silica bx with tr. py.		65-70			4.1	38
21									F	23.77-24.38-50-60% dk gray silica bx with 1-2% py.		21.84				
										24.38-25.60-Tr-3% dk gray silica bx with tr. py.		70-75			5.3	43
22												22.86				
												75-80			9.2	83
23												24.38				
												80-85			18.1	92
24												25.91				
										25.60-27.43 AMORPHOUS WHITE QUARTZ BRECCIA		85-90			29.7	280
25										25.60-27.43-15-20% dk gray to black silica with tr. py.						
										27.13-27.43-Fault zone		27.43				
26										27.13-28.96 FAULT ZONE WITH CREAM TO WHITE RHYOLITE		90-95			5.8	24
										27.43-28.96-3-5% dk gray silica bx with tr. py.						
27																
28									F							

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(ppm) Ag	(ppb) Au
28												SRH-6 90-95		5.8	24
29						5%		F		28.96-29.57 FAULT ZONE WITH TAN RHYOLITE		28.96			
30								F		28.96-29.57-5-10% gray silica bx with tr. py		95-100		2.3	10
31								F		29.57-37.49 FAULT ZONE WITH LT. TO MED. GREEN-GRAY RHY.		30.48			
32						3-5		F		29.57-33.53-3-5% dk gray silica bx with tr. py		100-105		1.2	6
33								F	FAULT ZONE	33.53-37.49-70-80% med. gray silica bx with tr. py		32.00			
34								F				105-110		0.3	3
35								F				33.53			
36						70-80		F				100-115		0.8	29
37								F				35.06			
38								F		37.49-49.68 FAULT / FRACTURE ZONE WITH PINK, CREAM AND GREEN RHY.		115-120		0.3	15
39						5-10		F		37.49-39.01-5-10% gray silica bx with tr. py.		36.58			
40								F	FAULT ZONE	39.01-40.54-20-30% med-dk gray silica bx with tr. py.		120-125			
41						20-30		F		40.54-43.59-50-70% dk gray silica bx with tr-1% py.		38.10		0.1	6
42								F		43.59-44.81-20-30% dk gray silica bx with 1-3% py.		39.62			
43						50-70		F	FAULT ZONE	44.81-48.16-30-40% dk gray silica bx with 4-6% py		130-135		0.1	2
								F		48.16-49.68-15-20% dk gray silica bx with 6-8% py.		41.16			
								F				135-140		0.1	1
								F				42.67			
								F				140-145		0.3	1

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. INTERVAL	SPECIFIC GRAVITY	ASSAYS	
														(pphm) Ag	(ppb) Au
43			Tr-1			50-70						SRH-6 140-145		0.3	1
44			1-3			20-30						44.20			
45								F				145-150		0.3	1
46									FAULT ZONE			45.72			
47			4-6			30-40		F				150-155		0.7	1
48								F				47.24		0.4	3
49			6-8			15-20		F				48.77			
50										49.68	100	160-165		1.7	8
51			6-8			15-20				49.68-52.12 PINK, CREAM AND GREEN RHYOLITE 49.68-52.12 - 15-20% dk gray silica bx with 6-8% py		50.29		1.0	7
52												51.82			
53										52.12-55.17 MED. GRAY RHYOLITE 52.12-55.17 - 5-10% dk gray silica bx with tr-1% py		170-175		0.9	16
54			Tr-1			5-10						53.34		1.4	17
55										55.17-64.01 FAULT ZONE WITH MED. GRAY RHYOLITE 55.17-55.78 - 5-10% dk gray silica bx with tr-1% py 55.78-57.30 - 40-50% dk gray silica bx with 1-3% py 57.30-59.44 - 70-80% dk gray silica bx with 4-6% py 59.44-64.01 - 50-70% dk gray silica bx with 1-3% py		54.86		1.4	13
56			1-3			40-50			FAULT ZONE			56.39			
57												185-190		2.1	12
58			4-6			70-80						57.91			

SCALE (m.)	UNIT	GRAPHITE	PYRITE	QUARTZ	COLOR	BRECCIA %	TEXTURE	FRACTURING	GRAPHIC LOG	COMMENTS:	% RECOVERY	SAMPLE No. INTERVAL	SPECIFIC GRAVITY	ASSAYS				
														(ppm) Ag	(ppb) Au			
73												73.15						
74								F		66.45 - 85.34 (cont'd) FAULT ZONE WITH MED GRAY TO GREEN-GRAY RHY.		SRH-6		0.8	9			
75			Tr			5-15		F		79.86 (1) Amethyst chip		240-245						
76								F	FAULT ZONE	85.04 (2) Amethyst chips		74.48		0.3	5			
77								F				245-250						
78								F				76.20		0.7	4			
79			Tr-Am			5-15		F				250-255						
80								F				77.72		0.3	1			
81								F	FAULT ZONE			255-260						
82								F				79.25		0.6	1			
83			Tr			5-15		F			100	260-265						
84								F				80.77		0.2	1			
85								F				265-270						
86								F		85.34 85.34 - 87.48 MED. GRAY TO GREENISH GRAY RHYOLITE		82.30		0.8	2			
87								F		85.34 - 87.48 - 5-15% dk gray silica bx with tr-1% py.		83.82		0.3	3			
88			Tr			5-15		F	FAULT	87.48 87.48 - 91.44 "ZEBRA" (BLACK/WHITE STRIPED) RHYOLITE		270-275						
								F		87.48 - 91.44 - 5-10% dk gray silica bx with tr-1% py.		86.87		0.5	1			
								F		87.48 - 88.09 - Fault.		285-290		0.3	1			

1988 SILVER ZONE
DIAMOND DRILL LOGS / ASSAYS

DIAMOND DRILL RECORD

DATE BEGAN July 6/88 DATE COMPLETED July 7/88

PROPERTY RHUB - BARB PROJECT No 620 DEPTH 114.60 m

HOLE NO SDH - 7 CO-ORD _____ HOR. LENGTH 57.3 m

CLAIM NO. RHUB 8 ELEVATION _____ DIRECTION 072°

ACID TEST;
APPARENT -66°
CORRECTED -60°
TEST DEPTH 114.6 m

CORE DIAMETER NQ ANGLE -62°

SDH-7

m	To	Description	Graphic	C.A.	Reay	Meters	Frac	Alteration			Py.	Mineralization Gy Pb/Zn	Number	Ass	Ag
								Kol	Qz	Bi					
0.0	3.35	Overburden - casing to 3.05				0	1								
3.35	17.98	Cream rhyolite with moderate flow-banding. Moderate silicification. 1-2mm silica bands parallel to flow-banding		50			4								
		6.86-7.32 Dark gray silica patches 1-2% dissem py + veinlets		45			5		Mod		Tr.				
		8.07-10.67 Occ. dark silica patches & wk veinlets py. Tr-1 py		40			7				1-2				
		10.67-11.80 Patches, veinlets & wk bx of dark gray silica. Tr-1 py		100			8		Wk		Tr.				
		14.14-16.03 Scattered bx & veinlets		25			9				Tr-1				
		16.03-17.98 Strong dark gray to black silica bx with 3-5% dissem py. + tr-1 tabular steel gray metallic locally		55			11		Mod-Stony		1-2				
				40			13								
				30			14		Mod						
				80			15				1-2				
				30			16		Stony						
				50			17		Stony		3-5	Tr-1			
				35			18								
17.98	46.02	Tectonic bx and/or agglomerate. 0.5-6 cm. clasts of predom. gray to cream rhy. floating in buff. intensely alt'd (argillie) matrix.		NA			19		Int. Wk. 1-2		Tr.				

10.67

54951

.003

.10

11.80

14.14

54952

.001

.03

16.03

54953

.001

.01

17.98

54954

.002

.14

20.12

54955

.001

.04

From	To	Description	Graphic	C.A.	Rock	Mt. #	Fract.	Int.	Mod-Strong	Wk-Mod	Wk-Strong	Py	Mineralization	Py	Number	Assays	Avg	
17.98-46.02 (cont'd)																		
																54961		
																40.53		
																54962	.013	1.17
																41.88		
																54963	.003	.16
																43.28		
																54964	.002	.06
																44.80		
																54965	.007	.27
																46.32		
46.02-50.69		Lt. gray to buff rhy. ash tuff. Intense argillic alt'n. Wk lamination or possibly shearing. Wk-mod silicification as microveinlets parallel & crosscutting lamination. Rock seems to be shattered due to alteration and/or shearing. V. fine dissem. py as diffuse bands thruout. Lower contact clay gouge.														54966	.001	.05
																47.85		
																54967	.001	.01
																49.37		
																54968	.001	.01
																50.69		
50.69-54.86		S.O.S. with prominent lamination - flow-banding? Fine dissem. py throughout (3-5%) 53.34-53.64 5-7% py as fine veinlets & bands Strong silicification														54969	.002	.09
																52.12		
																54970	.006	.13
																53.64		
																54971	.001	.02
																55.17		
54.86-67.97		Same as 46.02-50.69, Wk. lamination. Mod. silicification. Fine dissem py & scattered veinlets throughout (1-5%) 54.86-56.14 3-5% py as fine dissem & veinlets 57.00-57.30 3-5% py 59.13-61.57 3-5% py														54972	.001	.04
																56.69		
																54973	.002	.02
																58.21		
																54974	.002	.03
																59.74		
																54975	.002	.05

From	To	Description	Grain	Matrix	Fract	Keel	Gr	Bi	Cont	Py	Hem	Number	Av	Ag	(5)
79.86	98.36	Fine grained lt. gray rhy lapilli tuff? or flow? Matrix fine with clasts to 2.5cm.													
		83.02-84.50 Fault bx. Upper 40° - lower not known	NA							Fr-2		54989	.001	.03	
		86.20-88.09 Fault bx. Upper not known - lower 60°										81.68			
		89.06-90.52 Fault bx. Upper not known - lower 80°								Bx-1		54990	.001	.01	
		84.5-84.88 Silica healed bx with 3-5% py.	NA							S-5		83.21			
		90.98-93.21 Fault bx. Upper 55° - lower not known.										54991	.001	.01	
		93.75 Narrow fault bx zone @ 30° to core	NA									84.73			
		94.18-94.58 Fault bx. Upper 85° - lower not known										54992	.001	.01	
		94.88-95.40 Amethyst lenses & veinlets										86.25			
		95.71-95.95 Fault bx. Upper 55° - lower 20°										54993	.001	.02	
		96.93-97.68 Amethyst veinlets & clots										87.78			
		97.84-98.36 Fault bx. Upper 55° - lower 40°										54994	.001	.01	
												89.31			
												54995	.001	.01	
												90.83			
												54996	.001	.01	
												92.35			
												54997	.001	.01	
												93.88			
												54998	.001	.02	
												95.40			
												54999	.001	.03	
												96.93			
												55000	.001	.03	
												98.45			
98.36	99.57	lt. gray rhy ash tuff? Upper contact has large clast of green clay. Broken. See also 100.										51301	.001	.02	
												99.58			
												51302			

From	To	Description	Frac.	Alteration				Mineralization		Assays			
				Kaol	Qz	Bi	Carb.	Py	Hem	Number	Ag	Ag	
99.57	114.60	<p>Intercalated med green dacite to andesite flows and pyroclastics (ash to lapilli tuff). Pyroclastics show grading locally. Mod-strong carbonate (calcite) throughout. Brecciated locally with hematitic quartz healing. Py appears to be assoc. with carb. veinlets & open space fills. Vesicular with calcite fill @ top.</p> <p>101.25-101.43 Fault bx. Upper 40° - lower 60°</p> <p>109.57-112.01 Microbreccia with hematitic quartz healing</p> <p>112.78-113.69 Hematite staining along bands</p>	100							51302	.001	.01	
			101	80	100	40	Wk				101.20		
			102	80			Wk						
			103					Med-Strong		Tr-1			
			104										
			105	80									
			106										
			107	100									
			108	60									
			109										
			110	70						Tr-1	110.05		
			111		100		Wk	Wk		5-7	51303	.001	.01
			112								111.50		
			113	80							51304	.001	.01
		114							3-5	113.05			
114.60		END OF HOLE								51305	.001	.02	
										114.60			

DIAMOND DRILL RECORD

DATE BEGAN July 7, 1988 DATE COMPLETED July 8, 1988

PROPERTY RHUB- BARB PROJECT No 620 DEPTH 123.75 m

HOLE No SDH- 8 CO-ORD _____ HOR. LENGTH 52.3 m

CLAIM No. RHUB 8 ELEVATION _____ DIRECTION 160°

ACID TEST ;
APPARENT - 70°
CORRECTED - 64.5°
TEST DEPTH 123.75 m

CORE DIAMETER NQ ANGLE - 65°

SDH-8

From	To (m)	Description	Depth (m)	Grain Size	Mod.	Str.	Int.	Py	Number	Ax	Aq
0.00	3.51	Overburden to 1.52. Broken cream rhy laminated flow (no recovery) casing to 3.05	0-3.51								
3.51	29.26	Cream rhy with moderate to strong flow banding. Moderate silicification 1-3 mm silica bands parallel to flow-banding	3.51-29.26								
		3.51 - 3.87 Dk. gray to black silica bx & veinlets. Tr. py	3.51-3.87	100	Mod.	Strong	Tr-1	Tr	51306	.002	.01
		3.87 - 4.88 Patches & veinlets of dark gray silica parallel to flow-banding	3.87-4.88	100	Mod.	Strong			51307	.001	.04
		4.88 - 5.09 Dk gray to black silica bx & veinlets. Tr. py	4.88-5.09	100	Mod.	Strong					
		10.21 - 29.26 Rock bleached to white although doesn't appear to be increase in argill.	10.21-29.26	100	Mod.		Nil	Surface oxidation	51308	.004	.23
		11.33 - 14.78 Med-dk gray silica bx & veinlets	11.33-14.78	100	Mod.	Strong	Int.	Tr	51314	.005	.65
		11.33 - 12.10 Med gray silica bx. Tr. 1% py. Py incr. at base of interval. fine dust & intergrowths.	11.33-12.10	100	Mod.	Strong		2-4	51309	.004	.08
		13.25 - 14.08 Med dk gray silica bx. 2-4% py.	13.25-14.08	100	Mod.	Strong		Tr	51311	.001	.01
		14.08 - 14.78 Patchy silica & minor bx. Tr-1% py	14.08-14.78	100	Mod.	Strong		Tr	51310	.001	.89
		15.45 - 16.06 Bx + veinlets, Tr. r.	15.45-16.06	100	Mod.	Strong		1-2	51312	.003	.12
			16.06-18.59	100	Mod.	Strong			51313	.003	.02
			18.59-20.11	100	Mod.	Strong					

From	To	Description	Alteration	Kaol	Qtz	Bi	Ry	Number	Au	Ag
29.26	50.60 (cont'd)	40.72-41.33 3-5% py as fine disseminations in matrix and/or clasts					Tr	40.72		
		44.65-44.87 Ash-tuff? layer. Lam. marked by silica micro-veinlets, Tr py.	NA	Int.		1-2	3-5	51318 41.33	.001	.01
		47.55-50.60 1-3% py mainly as disseminations & inclusions in clasts					Tr			
		50.60 Tr. realgar as fine grains.		Int.				46.09		
		48.01-49.23 Fault bx.						51319 46.87	.001	.01
								47.51		
								51320	.002	.06
								49.26		
								51321	.001	.03
								50.59		
50.60	65.41	Lt. gray to buff rhy. ash tuff. Intense argillic alteration. Wk. lamination or possibly shearing. Wk-mod silicification as microveinlets parallel & cross-cutting lamination. Rock has shattered appearance possibly due to alteration and/or shearing. V. fine disseminated py (2-4%) as diffuse bands and less commonly as solid veinlets. Upper contact sharp & apparently conformable at 070°					Tr. Real.			
		51.21-51.30 1-2 mm veinlet of solid py @ 25° to core.						51325	.001	.02
		52.27-54.25 1-2 mm veinlets of solid py @ 0-25° to core						52.12		
								51326	.001	.02
								53.64		
								51327	.001	.04
								55.16		
								51328	.001	.01
								56.69		
								51329	.001	.01
								58.21		
								51330	.001	.02
								59.74		

From To		Description	Alteration	Py	Arg	Native Ag	Number	Au	Ag
			80.98				51342	.001	5.92
80.98-83.21		Lt green rhy-dacite flow? with 2-fmm white spheroids. Cores of spheroids often corroded with py replacement. Microbrecciation with Hgray silica healing throughout	81 82 83	Mod Shung Wk			51343	.001	.05
		82.91-83.21 Fault bx + intr. argillie	84	Int.			51344	.001	.06
83.21-87.63		Lt. greenish gray to buff rhy. ash tuff? Brecciated due to faulting throughout. 83.21-87.63 Fault bx.	85 86	Wk. Mod Shung			51345	.001	.04
		85.86-87.32 Tr qz metallic + blue qz	87				51346	.002	3.10
		86.41-86.50 Silvery needles (micro-native Ag?)	88				51347	.001	.06
		86.41-87.72 5-7% py	89	Int.			51348	.001	.07
87.63-95.71		Lt.-med. gray & buff rhy lapilli tuff. Clasts of med gray & buff floating in matrix of H. gray rhy. ash tuff.	90 91 92	Wk. Mod Shung Int.			51349	.001	.02
		88.30-88.39 Veinlets & bx fill of py + dk qz	93				51350	.001	.50
		89.45-100.52 Fault bx	94				51351	.001	.03
		90.31 Amethyst.	95				51352	.001	.05
		90.31-91.44 Tr. qz. metallic	96				51353	.001	4.61
		91.74-92.11 Amethyst + blue qz qz.	97				51354	.001	.06
		91.74-92.81 Tr. qz. metallic	98				51355	.001	.04
		93.57 Tr. native sulph + realgar	99						
		(* No visible source for anom. silver in 51353)	100						
95.71-100.73		S.O.S. except buff. alteration has disappeared. Lt. gray (to white locally) rhy in matrix.							

DIAMOND DRILL RECORD

DATE BEGAN July 8, 1988 DATE COMPLETED July 9, 1988

PROPERTY RHUB - BARB PROJECT NO 620 DEPTH 154.23 m

HOLE NO SDH - 9 CO-ORD _____ HOR. LENGTH 87.36 m

CLAIM NO. RHUB 8 ELEVATION _____ DIRECTION 070°

ACID TEST;
APPARENT - 62° CORE DIAMETER NQ ANGLE -60°
CORRECTED - 55.5°
TEST DEPTH 154.23 m

From	To	Description	Topog.	C.A.	Notes	Kaol.	Gz	Bi	Py	Cinn	Number	Az	Aq	
19.50	26.91	Lt. gray to white rhy ash to lapilli tuff. Strong to intense argillic alteration 20.88-22.68 Fault by 4 gauge. Assumed most of lost core in fault zone. 21.64-21.79 Mod. cinnamon staining associated with 2mm. blk silica veinlet 25.05-26.21 V. broken - fault?	60	60	60	Strong - Int.	WK	Nil	Tr	Nil	54798	.001	.01	
										Mod	21.64			
											54799	.001	.03	
											23.16			
											54800	.001	.01	
											24.69			
											51501	.001	.02	
											26.21			
											51502	.001	.01	
											27.74			
26.91	61.57	Lt-med qy rhy lapilli tuff to agglomerate. Could also be lahar. Weathers buff to H. orange on exposure to air. Contact sharp @ 30°. Similar to overlying material except coarser and distinctive weathering. 27.21-29.26 V. broken - fault? 29.87-29.99 " " - " 31.39-31.55 " " - " 37.16-37.49 Shear zone - no gauge Upper 65°, lower unknown (1-3cm) 37.95-39.01 Fragments not dk qy silica + 2-3% py. 40.17-40.90 Shear zone - no gauge Upper 55°, lower 65° 41.67-41.88 Shear zone - no gauge Upper unknown, lower 25° 42.89-43.89 Shear zone - no gauge Upper 40°, lower 75°	45	99	100	30	Strong - Int.	2-3	2-3	Tr	WK	51503	.001	.01
											29.26			
											51504	.001	.01	
											26.78			
											51505	.001	.01	
											32.31			
											51506	.001	.02	
											33.88			
											51507	.001	.01	
											35.36			
											51508	.001	.02	
											36.88			
											51509	.001	.01	
											37.78			
											51510	.001	.01	
											38.71			
											51511	.001	.01	
											40.17			

From	To	Description	Scale	Grain Size	Mineralization	Ry	Arg	Number	Am	Ag
26.91	61.57 (cont'd)	40.90-41.18 1-2% py, 2-3% qy metallic	NA	40	55	Tr-1	Nil	41.17		
		42.18-42.89 1-2% py, tr-1 " "	NA	41	55	1-2	2-3	51512	.001	.04
		45.63-49.68 1-3% py, tr-2% " " ?	NA	42	55	Tr	Nil	41.45		
		Difficult to estimate % of qy metallic due to biotite in rock.	NA	43	55	1-2	Tr-1	51513	.001	.03
		49.68-56.75 Biotite has disappeared and apparently replaced by py. pseudomorphs.	NA	44	75	Tr	Tr	42.98		
		2-5% py, tr-1% qy metallic	NA	45	75	Tr	Tr	51514	.001	.03
		56.75-56.88 Fragments of blue-qy to blk silica with 5-7% py & 1-2% qy metallic	NA	46	75	1-3	Tr-2	44.50		
		56.89-57.24 Minor frags. blue-qy qz, 2-3% py, 1-2% qy metallic	NA	47	75	Tr	Tr	51515	.001	.01
		57.24-57.55 Fragments of blue-qy to blk qz with 5-7% py, 2-3% qy metallic	NA	48	75	1-3	Tr-1	46.02		
		57.55-61.57 Frags. of blue-qy to black qz with 1-3% py, 1-3% qy metallic	NA	49	75	1-3	Tr-2	51516	.001	.01
		57.67-58.09 Fault bx. Upper 90°, lower 75°?	NA	50	75	2-5	Tr-1	47.55		
		60.02-61.57 Fault bx. Upper 45°, lower	NA	51	75	1-3	Tr-1	51517	.001	.01
			NA	52	75	2-5	Tr-1	49.07		
			NA	53	75	2-5	Tr-1	51518	.001	.03
			NA	54	75	2-5	Tr-1	50.60		
			NA	55	75	2-5	Tr-1	51519	.002	.02
			NA	56	75	2-5	Tr-1	52.12		
			NA	57	75	2-5	Tr-1	51520	.001	.13
			NA	58	75	2-5	Tr-1	53.64		
			NA	59	75	2-5	Tr-1	51521	.001	.02
			NA	60	75	2-5	Tr-1	54.86		
			NA	61	75	2-5	Tr-1	51522	.001	.07
			NA	62	75	2-5	Tr-1	55.41		
			NA	63	75	2-5	Tr-1	51523	.002	.10
			NA	64	75	2-5	Tr-1	56.69		
			NA	65	75	2-5	Tr-1	51524	.001	.07
			NA	66	75	2-5	Tr-1	58.22		
			NA	67	75	2-5	Tr-1	51525	.001	.10
			NA	68	75	2-5	Tr-1	59.74		

From	To	Description	Scale	Mod	Qz	Ry	Arg.	Number	Aut	Ag
77.11	112.01	74.19-74.43 Fault bx. Upper 60°, lower 50°	80	Mod Strong	Mod	1-2	Tr-1	51540	.001	.04
		74.98-75.50 " " Upper & lower 60°	100					82.77		
		75.65-75.93 " " Upper 65°, lower 60°	82					51541	.001	.03
		76.93-77.11 " " Contacts unknown						82.30		
		Lt-med. qy rhy. med. to coarse lapilli tuff. Could also be lahar. Exotic rock frags support lahar. Weathers buff to H. orange on exposure to air. Most of section broken	100	Mod Strong	Mod	1-2	Tr-1	51542	.001	.01
		77.11-77.60 Fault bx. Upper unknown, lower 70°	100					83.82		
		78.15-78.33 Broken zone - fault? (Strong alignment of clasts locally)						51543	.001	.02
		79.10-79.37 Fault bx. Contacts unknown	100	Int. Mod	Wk-Mod	Tr-1	Tr	85.31		
		81.38-81.69 Fault bx. Upper & lower 55°						51544	.001	.01
		83.61-83.67 Fault bx @ 30°				1-2	1-2	86.87		
		85.16-85.86 Fault bx. Upper & lower 50°						51545	.001	.02
		86.62-87.33 Fault bx. Upper 40°, lower 50°						88.12		
		88.02-88.39 Fault bx. Upper & lower 60°	100	Int. Mod	Wk-Mod	2-5	1-3	51546	.001	.02
		89.42-89.73 Very broken - fault?						88.82		
		90.22-90.50 Fault bx. Upper 60°, lower 50°		Mod Strong	Mod Strong	1-2		51547	.001	.01
		91.99-94.49 Fault bx. Minor section of solid rock, upper & lower 70°	100	Mod Strong	Mod Strong		1-3	90.22		
		91.23-93.67 Scattered amethyst						51548	.001	.01
		91.74-94.49 2-5% py, 2-5% qy metallic as dissems & vth						91.74		
		96.53-98.02 Fault bx. Upper 40°, lower 30°	100	Mod Strong	Mod Strong	1-2	1-3	51549	.001	.01
		99.00-101.01 Fault bx. Upper 80°, lower 70°						92.30		
						2-5	2-5	51550	.001	.07
								94.79		
						1-3	1-3	51551	.001	.01
								96.72		
								51552	.002	.03
						1-3	1-3	97.84		
								51553	.002	.02
						1-3	Tr-1	99.86		
								51554	.001	.01

From	To	Description	Scale	Qz	Py	Arg.	Number	Am	Ag
77.11-112.01 (cont'd)		101.44-101.56 Fault bx. Upper 55°, lower 30°	60	100	100	100	51554	.001	.01
		101.56-104.42 Scattered amethyst.					100.89		
		102.75-102.84 Fault @ 20°		100	101	101	51555	.001	.01
		103.05-103.14 Fault. Upper 75°, lower 60°		100	102	102	102.41		
		103.24 Fault @ 50°		100	103	103	51556	.001	.01
		103.39 Fault @ 50°	50	100	104	104	103.24		
		104.42-104.57 Fault bx. @ 50°		100	105	105	51557	.001	.02
		104.94 Fault @ 70°		100	106	106	105.41		
		105.40-105.74 Fault bx. Upper 55°, lower 30°	50	100	107	107	51558	.001	.01
		106.98-107.26 Fault bx @ 60°		100	108	108	106.98		
		108.51-108.69 Fault bx. Upper 55°, lower 75°		100	109	109	51559	.001	.01
		108.94-109.61 Fault bx. @ 55°		100	110	110	108.94		
		109.73-110.03 Scattered amethyst		100	111	111	51560	.001	.01
		110.40-110.67 Fault bx. @ 40°		100	112	112	110.67		
		110.67-112.01 S.O.S except cream & lime-green fragments.		100	113	113	51561	.001	.01
		111.62-112.78 Fault bx. @ 60°		100	114	114	111.62		
				100	115	115	51562	.001	.01
112.01-113.54		Med green dacite to andesite flow. Contact @ 70°		100	116	116	51563	.002	.01
		113.08-113.54 Fault bx. Upper 60°		100	117	117	113.54		
113.54-133.59		Porphyritic sh. dacite flow. Phenos of plag. & qz (G.F.P.) - hyabysal volcanic feeder?		100	118	118	51564	.001	.01
		113.54-114.76 Fault bx. lower 50°		100	119	119	114.76		
		115.70-115.79 Fault @ 70°		100	120	120	51565	.001	.02
		116.10-120.85 Fault bx. Upper & lower 55°		100	121	121	51566	.001	.01
		116.53-116.95 1-2cm wide dk qz to blk qz vein with strong py & minor qz metallic.		100	122	122	51567	.001	.01
		120.85-122.68 Lt. qz flooding to stockwork. Tr-2% py, 1-2% metallic.		100	123	123	51568	.001	.01
				100	124	124	51569	.001	.01
				100	125	125	51570	.001	.01

From	To	Description	Geologic	CA	Rock	Notes	Fluc.	Kaol	Qz	Py	Arg	Number	Ass	Ag	
113.54-133.59 (cont'd)	122.22-122.50	Fault bx. Upper 25° lower 20°		NA			120	Int	Mod-Strong	Tr-1	Tr	51570	.001	.01	
	122.68-122.74	Fault @ 55°					121	Mod-Strong	Strong-Int.	Tr-2	Tr-1	51571	.001	.01	
	122.96-132.01	Dk qz & blk qz stockwork. Tr-2 py, 1-2% py metallic. Veins typically .5-1 cm wide & blk colour. Two prominent vein directions @ 20° and 110°		NA			122					122.23	51572	.001	.02
	123.59-124.39	V. broken - fault? Low angle to core axis.		NA			123	Wk Mod		Tr-2	1-2	123.75	51573	.001	.07
	132.01-133.47	Wk veinlets. Strong (2-3%) dissem. py and fair (1-2%) qz metallic		70			124	Wk Mod	Strong-Int.			125	51574	.001	.01
	133.47-133.59	Stockwork veinlets of dk. qz @ 5° and 80°					126			Tr-2	1-2	126.40	51575	.001	.03
	132.01-133.59	Porphyry med qz colour. Mod-Strong foliation.					127					128.32	51576	.001	.03
							128	Wk Mod	Strong-Int.	Tr-2	1-2	129.91	51577	.001	.09
							129					129.59	51578	.001	.02
							130					131.92	51579	.001	.02
							131					132.47	51580	.002	.08
							132	Wk Mod		2-5		134.42	51581	.001	.04
133.59-145.02		Med green dacite-andesite porphyry. Mainly plaq. phenos with rare qz. Contact faulted. Rock quite fractured. 5% red-brown K-spar? 133.59-133.69 Fault zone @ 55° 141.61-142.92 Lt. green to brownish green breccia. Looks like altered equivalent of above with dk qz silica bx. overprint. Upper 40° lower 25° 141.67 2 cm quartz zone @ 70°		NA			133	Wk Mod		1-3	Tr				
							134	Wk Mod							
							135								
							136								
							137	Wk Mod	Wk Mod	1-3	Tr				
							138								
							139								
							140			1-3	Tr				

From	To	Description	Grain Size	C.A.	Reak.	Meters	Feet	Alteration	Py	Arg.	Mineralization	Assay	Number	A
133.59-145.02	(cont'd)	142.55-142.62 4 cm gouge zone @ 30°	P	NA	100	140	141	Wk. Mod	1-3	Tr				
			P	NA	100	142	143	Wk. Mod	3-5	Tr				
			P	NA	100	144	145	Wk. Mod	1-3	Tr				
145.02-148.99		Lahar breccia? Large angular fragments of green dacite-andesite porphyry healed by lt. greenish gray sandy matrix. Random orientation of clasts.	P	NA	100	146	147	Wk. Mod	1-3	Tr				
148.99-149.63		Lahar debris flow. Lt. green & gray sandy material showing strong imbrication and west grading. Upper contact gradational.	P	NA	100	149	150	Wk. Mod	2-5	1-2			51582	.00
149.63-154.23		Lt. lime green & med gray ^{porphyritic} flow. 149.63-151.36 Med-dk qz silica healed bx. 151.36-153.31 Scattered dk gray silica veinlets & fair amethyst as euhedral xls & veinlets.	P	NA	100	152	153	Wk. Mod	2-5	1-2			51583	.00
		152.70 1-2% silver gray crystals. Too fine to identify - not galena.	P	NA	75	154	154	Wk. Mod	Tr-1	Tr			51584	.00
154.23		END OF HOLE											51585	.00

HOLE

149.50

51582

150.57

51583

152.40

51584

153.28

51585

154.23

From	To	Description	Graphic	CA	Rior	Meters	Frac	Alteration	Keol	Qz	Bi	Carb	Py	Number	Ax	Aq							
9.45-28.86 (cont'd)	23.98-24.26	Patchy dk qz silica. 3-5 py. 24.99 - 4cm dark qz silica w. 3-5% fine dissem. py		70		20									20.11								
						21										51599	.001	.05					
						22												21.64					
						23													51600	.001	.01		
						24													51601	.001	.01		
						25														51602	.001	.02	
						26														25.91			
						27														51603	.001	.03	
						28														27.43			
						29														51604	.001	.01	
						28.86-41.91	28.86-41.91	Brecciated S.O.S. Appears to be a crackle breccia as fragments can be fitted back together. Frags. healed by lt. gray silica with finely dissem. py. Some biotites partially replaced by py. Wk carb. with silica. Breccia more of a stockwork of silica veinlets. Pervasive silicification replaced by veinlets. At least two stages of silicification. Py almost exclusively in veinlets. Stockwork less intense from 35.66-40.53m. Scattered amethystine quartz		70		29									28.25		
												30											
31																			54715	.001	.01		
32																			30.78				
33																				54716	.001	.01	
34																				32.31			
35																				54717	.001	.01	
36																				32.82			
37																				54718	.001	.01	
38																				35.26			
39																				54719	.001	.01	
																				35.22			
														54720	.001	.01							
														36.28									
														54721	.001	.01							
														38.40									
														54722	.001	.01							
														39.21									
														54723	.001	.01							

From	To	Description	Grain	C.A.	Relief	Habit	Fract.	Kal.	Qz	Bi	Carb	R ₁	Arg	Number	Au	Ag
52.43	71.13	62.78-70.10 Tr. qy. metallic. 1-3% py 70.10 Fault @ 35° to core. 70.62-71.13 Fault @ 90° to core	75			60		Wk-Mod			Mod-Strong					
						61		Wk-Mod		Tr-1	Wk.	1-3	Nil	62.78		
						100		Mod-Strong	Blk-99%					51605	.001	.03
						62								64.31		
						60				Tr-1	Mod-Strong		Tr	51606	.001	.02
						64								65.84		
						65						1-3		51607	.001	.01
						100								67.36		
						70					Mod-Strong			51608	.001	.01
						66							Tr	68.73		
						75		Mod-Strong						51609	.001	.01
						67		Wk-Mod				1-3		70.04		
						68		Mod-Strong						51610	.001	.01
						69							Tr	71.02		
						70								51611	.001	.01
						71					Nil			72.63		
						71.13								N/S		
71.13	80.16	Agglomerate. Same as previous except clasts larger. Intense oxillic alteration. Has broken appearance. 71.83-72.63 Fault @ 90° to core. Tr. qy. metallic. 72.63-77.41 Tr-1 qy. metallic with good blue-qy qz. 1-3% py. 77.41-77.88 Fault bx. Upper 25° lower unknown. 77.88-79.70 Tr. qy. metallic 78.94-79.25 Fault bx. Upper 50° lower 60° 79.10-80.16 1-2% metallic	NA			72		Wk-Mod						74.34		
						73		Int	Good Blk-99%	Nil				54736	.001	.01
						100						1-3		75.71		
						74							Tr-1	54737	.001	.01
						75					Nil			77.04		
						76								54738	.001	.01
						77		Int		Nil				78.60		
						78						1-3		54739	.001	.01
						79		Mod					Tr	80.12		
						80						2-4	1-2			

From	To	Description	Scale	NA	Feet	Kaol	Qz	Bi	Carb	Py	Arg	Number	Au	Ag
80.16-96.23		Lt. gray to buff rhy ash tuff. Very wk to no lamination. Quite broken throughout	80.16		80									
		80.16-80.47 1-2% qy. metallic			81		Mod.	Nil	Nil			54740	.001	.01
		80.47-82.88 Tr:lg metallic			82		8hr 9/92					81.69		
		81.07-81.59 Fault bx. Upper 55° lower 55°			83							54741	.001	.01
		82.26-82.60 Fault bx. Upper 60° lower 35°			84		stuck					82.82		
		82.88 Fault w. gouge @ 50°			85		Mod. Strong					51612	.001	.04
		83.21-84.12 Series of narrow gouge filled faults @ 35-45° & 130°. Beginning of stockwork of qz veins and open space fills (83.21-84.02)			86			Nil	Nil			84.34		
		84.13-86.78 1-2% qy. metallic narrow			87		stuck Mod. Strong					51613	.001	.01
		86.87-96.23 Series of narrow gouge filled faults @ 45°, 90° & 130° to core. Within this section are thicker gouge zones. Rock often looks like several stages of brecciation			88							85.65		
		94.03-97.10 1-2% qy. metallic			89							51614	.001	.03
		95.59-96.23 Fault bx. Contacts unknown			90							86.96		
					91							51615	.001	.14
					92			Nil	Nil			88.70		
					93							51616	.002	.15
					94							90.22		
					95							51617	.002	.22
					96							91.74		
					97							51618	.001	.04
					98							93.27		
					99							51619	.002	.03
					100							94.06		
												54742	.001	.14
												94.79		
												54743	.002	.36
												96.23		
96.23-120.70		Lt. green & H-med qy banded rhy ash tuff? Numerous faults throughout.			97							51620	.002	.04
		96.23-97.72 Fault gouge. Lower contact 55°, upper unknown			98		Strong - Int.	Nil	Nil			97.14		
		98.85-99.21 Fault, Upper & lower 40°			99							51621	.002	.78
					100							97.99		
												51622	.002	.03
												99.36		
												51623	.002	.05

From	To	Description	Scale	Section	Unit	Iteration	Py	Arg	Number	Au	Aq
96.23	120.70 (cont'd)	101.93-102.11 Fault bx. Upper 90°, lower 70°	65		100				51623 100.89	.002	.05
		104.85-120.70 Strong network of med to dk gray silica microveinlets forming a microstockwork. When intensity increases becomes essentially a crackle breccia. Fragments seldom rotated.	55		100	Med Strong		1-2 1-3	51624 102.41	.001	.04
		104.97-105.10 Fault bx. Upper 60°, lower 90°			100	Strong - Int.			51625 103.94	.001	.03
		107.38-108.02 Fault bx. Upper & lower 50°			100	Strong - Int. Strong		1-2 1-3	51626 105.58	.002	.02
		111.25 - 7 cm wide fault @ 40°			100			1-2	54744 106.50	.001	.02
		111.71 - 6 cm wide fault @ 60°			100			Tr-1	54745 107.44	.001	.04
		112.56 - 112.78 Fault bx. Upper 70°, lower 75°			100	Strong - Int. Strong		1-2	54747 109.94	.001	.02
		114.60 - 114.70 Fault bx. Upper 70°, lower 60°			100	Strong - Int. Microstock to bx			54748 111.56	.001	.03
		115.03 - 6 cm wide fault @ 80°			100				54749 112.61	.001	.01
		115.18 - 8 cm wide fault @ 60°			100			Tr-1	54750 114.60	.001	.01
		115.92-116.13 Fault bx. Upper & lower 50°			100			2-3	54751 115.28	.001	.04
		116.25-116.43 Fault bx. Upper & lower 55°			100			Tr-1	54752 116.13	.001	.05
		113.87-114.60 1-2% qtz metallic			100			1-2	54753 117.01	.001	.10
		116.89-118.48 1-3% qtz metallic			100			1-2	54754 117.85	.001	.01
		117.77-118.02 Fault bx @ 65°			100			Tr-1	54755 119.18	.001	.03
		119.54-120.70 Fault bx. Upper 60°, lower 40°			100			1-2 Tr-1	54756 120.70	.001	.03

From	To	Description	NA	100	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	Ry	Arg	Number	Au	Ag	
	120.70																									1-2	Tr-1	54756 120.70	.001	.03	
120.70	123.54	Lt. gray and buff rhyolite agglomerate or lahar. Subangular clasts up to 5cm in matrix of same composition - clast supported.																								Tr-1	Tr	51627 122.22	.001	.01	
	123.54																									2-3		51628 123.57	.001	.04	
123.54	136.67	Lt. gray to lt. lime green rhy ash tuff. Stockwork of med. to dk gray silica veinlets with fine euhedral pyrite. Dissem. py also in ash tuff but only tr-1%. In places looks like crackle breccia with silica healing 127.80-127.98 Dk. gray silica healed bx. with 3-5 py & tr. qtz metallic.																								2-3	Tr-1	54757 125.27	.001	.02	
	136.67																									1-2		54758 126.80	.001	.02	
	136.67																									1-2		54759 128.32	.001	.01	
	136.67																									Tr-1		54760 129.84	.001	.01	
	136.67																									1-2		54761 131.87	.001	.01	
	136.67																									Tr-1		54762 132.89	.001	.02	
	136.67																									1-2	Tr-1	54763 134.42	.001	.04	
	136.67																											54764 135.74	.001	.04	
136.67	138.35	Med. to coarse rhy. lapilli tuff with minor dark gray fine ash tuff bands. 1-2% qtz metallic. 138.04-138.35 Silica flooded bx.																									1-2		54765 137.10	.001	.03
138.35	140.63	Lt. to med. qtz rhy. ash to lapilli tuff. 10-15% lapilli clasts. Lapilli strongly aligned.																								Tr-1	Tr	51629 138.99	.001	.02	
																												51630	.001	.01	

From	To	Description	Scale	Grain	Matrix	Py	Arg	Number	Au	Ag	
138.35	140.63 (cont'd)					Tr-1	Tr	51630	.001	.01	
140.63	149.65	Intercalated coarse and fine lapilli tuff and minor ash tuff. Could be lahar sequence as banded clasts indicate significant rotation with planar surfaces developed and alignment of clasts. 144.17-146.91 1-2% py, 1-2% qz metallic 149.05-149.65 Pk gray silica veinlets forming weak stockwork 149.35-149.65 1-2% py, 1-2% qz metallic	25						140.51		
			141						51631	.001	.01
			142						142.04		
			100						51632	.001	.02
			143						143.56		
			60						51633	.001	.01
			144						144.17		
			145						51634	.001	.02
			146						145.54		
			100						51635	.001	.01
149.65	152.06	Weakly laminated rhy. ash tuff. Weak dk gray silica veinlets. 149.65-150.57 1-2% py, 1-2% qz metallic 151.33-152.06 Fault bx with dk. gray to blk silica	55						147		
			148						51636	.001	.01
			149						148.13		
			100						51637	.001	.01
			150						149.23		
			15						54767	.001	.01
			151						150.14		
			152						54768	.001	.01
			153						151.33		
			154						54769	.001	.01
152.06	175.17	Lt. gray rhy ash tuff to lapilli tuff. V. weak alignment of lapilli. Rock has spongy appearance with numerous small (.5-5mm) cavities, 20-25% lapilli. 152.64-152.86 Crushed zone. Contacts erratic. 154.96-155.48 1-3% py, 1-2% qz metallic 157.28-157.70 Fault bx. Contacts unknown	15						152.06		
			152						51638	.001	.01
			153						152.70		
			154						51639	.001	.01
			155						154.23		
			100						51640	.001	.01
			156						154.96		
			157						51641	.001	.01
			158						155.45		
			100						51642	.001	.01
175.17	175.17		70					156.15			
			159					54770	.001	.02	
			160					157.38			
			NA					54771	.001	.02	
175.17	175.17							159.80			
								54772	.001	.01	

From	To	Description	Graphic	C.A.	Reg.	M.L.S.	Frac.	Kal.	Qz	Amiration	Ry	Arg	Mineralization	Number	As	Ag
	158.19-158.40	Fault bx. 15° to core				160					Tr-1	Tr		160.32	.001	.01
	159.08-159.56	" " 5° " "			100	161								54773	.001	.02
	160.02-160.78	" " 20° " "			NA	162			Wk.					160.85		
	161.24-162.12	" " 5° " "				163					Tr-1	Tr		54774	.001	.01
	162.58-163.43	" " 5° " "				164								163.37		
	163.68-163.92	" " Upper 5°,				165								54775	.001	.03
	164.93-165.87	lower 40°				166								165.85		
	166.42-170.20	Scattered veinlets & bx fills of blue-qtz to blk silica. 2-3% py			NA	167			Mod Strong		1-2	Tr		54776	.001	.01
	166.97	1 cm fault @ 40°				168			Strong		2-3			54777	.02	.04
	167.82-168.04	Fault bx @ 40°				169								167.94		
	(168.04-175.17 Lt. maroon sections with lt. gray.)					170			Mod Strong		2-3	Tr		54778	.002	.05
	168.86-169.83	Fault bx @ 30°			100	171								169.47		
	170.96-171.45	" " Upper 40°,				172								54779	.001	.01
		lower 30°				173					1-2			170.99		
	171.69-171.85	Fault bx @ 20°				174			Strong					54780	.001	.01
	171.60-171.69	Dk gray to blk silica w. 5-7% py, tr-1% pyrochlore				175			Mod Strong		5-7	Tr	Tr-1	172.52		
	172.33-172.55	" " " "				176					3-7	Tr-1		54781	.001	.01
	173.20-173.37	" " " "			100	177					1-2	Tr	Tr-1	173.25		
	174.80-175.17	Blk. silica bx. w. 10-12% py, 3-5% pyrochlore? 175.17				178					5-7			54782	.001	.01
	175.17-	Lt. greenish qz & lt. maroon rhy to dacite agglomerate or lahar. Contains fragments of laminated rhy and exotic rocktypes suggesting lahar sequence. Still spongy appearance. Faulted contact @ 40°			NA	179			Wk-Mod		Tr-1	Tr-1		174.20		
	179.19-179.62	Crushed zone				180			Wk-Mod		10-12	3-5		54783	.001	.01
						181			Mod					175.17		
									Crushed Zone					54784	.001	.06

DIAMOND DRILL RECORD

DATE BEGAN July 11, 1988 DATE COMPLETED July 12, 1988

PROPERTY RHUB-BARB PROJECT No 620 DEPTH 215.19 m

HOLE No SDH-11 CO-ORD HOR. LENGTH 141.18 m

CLAIM NO. RHUB 8 ELEVATION DIRECTION 260°

ACID TEST;
APPARENT -56°
CORRECTED -49°
TEST DEPTH 215.19 m

CORE DIAMETER NQ ANGLE -50°

SDH-11

From	To	Description	Grain	Clas	Vol	Qz	Bi	Py	Am	Grn	Number	Am	Aq
0.00	9.45	Overburden. Casing to 6.10 m.											
9.45	10.36	Lt. qy. to buff rhy-dac. flow. Med-dk. green streaks (1-2 mm.) parallel flow banding. Microstockwork of fine (0.2-1 mm) melt qz veinlets, parallel & x-cutting flow banding. Strong buff to orange surface oxidation. 10.06-10.36 V. broken - fault? Upper 50° lower unknown	75	100	50	Mod-Strong	Straw	3-5	Tr-1	Tr	Wk		
10.36	16.76	Cream to light gray rhy. bx. Looks like bleached equivalent of above. Looks like crackle bx as fragments can be fitted back together. Heated by amorphous lt-med qz silica.	75	80	50	Mod-Strong	Straw	1-2	Tr-1	Nil	Nil	51364	.001 .03
16.76	51.05	11.89-12.31 Same as 9.45-10.36. 13.96-15.76 V. broken core - fault. Contact unknown	75	100	50	Mod-Strong	Straw	1-2	Tr-1	Nil	Nil	51365	.001 .01
			75	100	50	Mod-Strong	Straw	1-2	Tr-1	Nil	Nil	51366	.001 .01
			75	100	50	Mod-Strong	Straw	1-2	Tr-1	Nil	Nil	51367	.001 .02
			75	100	50	Mod-Strong	Straw	1-2	Tr-1	Nil	Nil	51368	.001 .01
			75	100	50	Mod-Strong	Straw	1-2	Tr-1	Nil	Nil	51369	.001 .01
			75	100	50	Mod-Strong	Straw	1-2	Tr-1	Nil	Nil	51370	.001 .01

From	To	Description	Scale	Recon	Fract.	Kad.	Qz	Bi	Carb.	Py	Amg	Number	Am	Ag
16.76	51.05 (cont'd)	flow-banding. Strong to intense pervasive silicification.	70	70	20	Strong	Δ	1-2	Silica healed bx.	1-2	Nil	20.42	.001	.01
	18.26 - 18.41	Fault zone with some gouge. Upper 50°, lower 60°	70	70	21	Strong	Δ			Tr-1	Tr	51371	.001	.02
	19.02 - 19.29	Broken zone	70	70	22	Strong	Δ				Nil	21.95		
	19.29 - 20.57	Fault gouge. Upper 65°, lower 80°. Fragments of dk qz healed bx.	70	NA	23	Strong	Δ	1-2			Tr	51372	.001	.02
	19.02 - 20.97	Dk qz silica healed bx.			24	Strong	Δ		Silica healed bx.	Tr-1		23.32		
	21.28 - 21.98	Fault bx. Upper 40°, lower unknown			25	Strong	Δ	1-2		Tr-1	Tr			
	22.34 - 22.80	Fault bx. Upper 25°, lower 20°			26	Strong	Δ			Tr	NI			
	22.70 - 26.37	Dk qz silica healed bx. Bx much weaker going down interval.	85		27	Strong	Δ							
	28.01 - 29.26	" " "			28	Strong	Δ	1-2	Silica healed bx.	1-2	Tr			
	30.02 - 30.36	" " "			29	Strong	Δ							
	30.36 - 32.16	Weak silica veining	80		30	Strong	Δ	1-2	Silica healed bx.	1-2				
	32.16	5 cm fault @ 70°			31	Strong	Δ			Tr	Tr			
	32.16 - 41.45	Weak stockwork of hairline qz veinlets.	80		32	Mod Strong	Δ				Tr			
	46.02 - 46.18	Fault bx. Upper 60°, lower 20°			33	Mod Strong	Δ	1-2	Weak stock.	1-2	Nil	34.20		
	47.06 - 47.30	Broken zone			34	Mod Strong	Δ					51373	.001	.01
	47.70 - 50.29	Weak stockwork of hairline qz veinlets. Biotites becoming corroded.	85		35	Mod Strong	Δ					35.36		
					36	Mod Strong	Δ					36.58		
					37	Mod Strong	Δ					51374	.001	.02
					38	Mod Strong	Δ	1-2		2-3	Tr-1	38.10		
					39	Mod Strong	Δ			1-2	Nil	51375	.001	.01
					40	Mod Strong	Δ			Tr-1		39.62		
												51376	.001	.01

From	To	Description	Graphic	C.A.	Rec.	Diags	Frac.	Kad.	Qz	Bi	Carb	Ry	Arg.	Number	Au	Ag	
52.12-81.62 (cont'd)	52.67-53.28	V. broken-fault? Upper & lower 65°		85		60		Mod-Strong	Strong	1-2	WK	Tr-1	Nil	51385	.001	.01	
	54.71-55.17	V. broken-fault? Upper & lower 65°		100		61							1-2		51386	.001	.01
	58.52-58.67	Amethyst vein (1cm) w. good py., fair argentite and weak cinnibar subparallel to cre.		75		62						WK			51387	.001	.01
	68.12-68.31	Fault bx @ 70°		100		63				Strong	1-2		1-2	Nil	51388	.001	.01
	73.06	2cm fault gouge @ 75°		70		64			Mod-Strong			WK			51389	.001	.01
	74.23	2cm fault gouge @ 90°		100		65						Nil	1-2		51390	.001	.02
	71.32-81.62	Average size of fragments larger and matrix finer grained		70		66			Mod-Strong	Tr		WK			51391	.001	.01
	79.24-79.55	Fault bx. Upper 80°, lower 75°		85		67			Strong				Tr		51392	.001	.01
	79.70-80.19	Fault bx. Upper 65°, lower 55°		85		68			Mod-Strong					Nil	51393	.001	.01
	79.25-81.62	Fragments almost exclusively rhy ash tuff.		100		69			Strong	Tr		WK	1-2		51394	.001	.01
				75		70									51395	.001	.01
				75		71			Strong						51396	.001	.01
				60		72			Mod-Strong				1-2	Nil	51397	.001	.01
				75		73			Strong	Tr		WK			51398	.001	.01
				75		74											
			75		75												
			75		76			Strong	Mod-Strong			1-2					
			100		77								Tr				
			80		78												
			100		79						WK	1-2	Tr				
			80		80						Nil						
			100		80						Nil						

From	To	Description	Graphic	C.A.	Recon	Meters	Frac.	Knd.	Qz	Alteration	Mineralization			Assays																				
											Px	Aur	Cinn	Number	Au	Ag																		
91.74-105.31 (cont'd)								Mod-Strong	Mod-Strong								51411	.001	.03															
																	100.89	1-2	Tr	Nil	51412	.001	.01											
																	102.61																	
																	100	70	102	70	FA	AS	AS	AS	AS	AS	Fair amorph.	Nil	Nil	51413	.001	.01		
																																	102.94	
																	100	70	104	70	AS	AS	AS	AS	AS	AS	Mod-Strong	1-2	Nil	Nil	51414	.001	.01	
																																		104.62
																	105.31	70	105	70										Tr.	Wk.	51415	.001	.03
																	105.31-108.20		Lt. qz and lt green finely laminated rhy. flow? Laminations strong but very fine. Microscopic silica veinlets form meander pattern.						Mod-Strong	Strong					Nil	Nil	51416	.001
107.67																																		
108.20																																		
108.20-109.42		Lt. greenish qz rhy. lapilli tuff. Mainly ash.						Mod-Strong					Nil	Nil	51417	.001	.01																	
																		108.62																
109.42-112.17		Lt. green & gray rhy ash tuff? Weak lamination locally.						Mod-Strong	Mod-Strong				1-3	Nil	Nil	51418	.001	.01																
																			110.02															
																			112.17															
112.17-114.15		Med-coarse rhy lapilli tuff. No alignment of clasts.						Mod-Strong	Mod-Strong				Tr	Tr-1	51419	.001	.01																	
																		112.56																
114.15-130.14		Same as 109.42-112.17. Contact faulted 115.52-128.63 Wk stockwork of med qz qz. veinlets						Wk-Mod					1-2	Nil	51420	.001	.03																	
																		112.76																
127.10-127.25		Fault by @ 40°						Mod-Strong					1-2	Nil	51421	.001	.03																	
																		113.54																
127.25-130.14		Mod-strong stockwork veinlets & veins of med dk. qz.						Wk-Mod	Strong				1-2	Tr	51422	.001	.03																	
																		114.91																
119.18								Wk-Mod	Strong	Wk-ekuk			1-2	Tr	51423	.001	.01																	
																		116.12																
119.18								Wk-Mod	Strong				1-2	Tr	51424	.001	.01																	
																		117.65																
119.18								Wk-Mod	Strong				1-2	Tr	51425	.001	.02																	
																		119.18																
119.18								Wk-Mod	Strong				1-2	Tr	51426	.001	.01																	
																		119.18																

From	To	Description	Gravels	C.A. Res.	Flint	Kaol.	Gz.	Py.	Aq.	Cinn.	Assays		
											Number	As.	Ag.
114.15	130.14 (cont'd)										51426	.001	.01
											122.70		
											51427	.001	.04
											122.22		
											51428	.001	.05
											123.74		
											51429	.001	.03
											125.27		
											51430	.001	.05
											126.80		
											51431	.001	.01
											128.22		
											51432	.001	.03
											129.84		
130.14	132.04	Intercalated lt. green & med gy rhy. Indistinct banding. Lower part has spherulitic balls.									51433	.001	.01
											131.87		
132.04	183.46	130.14-132.04 Mod. strong stockwork veinlets & veins of med. dk gy. qz.									51434	.001	.01
		130.45-131.14 Fault bx. @ 20°									132.89		
		131.40-132.04 Spherulitic balls									51435	.004	.06
		Lt. & med gy rhy. ash. tuff. Fair lamination. Strong parting parallel to lamination.									134.42		
		132.18-133.01 Very broken with numerous slips & gouge zones parallel to lamination. Upper & lower 45°.									51436	.001	.01
		137.53-137.77 Fault bx. Upper 50°, lower 60°									135.94		
											51437	.003	.06
											137.46		
											51438	.002	.09
											138.99		
											51439	.002	.08
											140.00		

From	To	Description	Graphite	C.A.	Recon.	Matrix	Fract.	Kad. Qz.	Alteration	Mineralization		Assays			
										Py	Arg	Cinn.	Number	Au	Ag
132.04-183.46 (cont'd)	132.98-153.92	Hairline veinlets of solid py-marcasite parallel to lamination and at 25-45° to core crossing laminations steeply.		20		140		Mod-Strong		1-3	Tr	Nil	51439 140.51	.002	.05
						141		Mod-Strong					51440	.004	.09
						142		Mod-Strong	Mod-Strong stockw.		1-2		142.04		
						143		Mod-Strong		1-3	Tr-1	Nil	51441	.003	.07
						144		Wk-Mod		1-2	Tr		143.56		
	139.83-140.00	Qz healed bx.				144		Mod-Strong					51442	.001	.02
	140.57-150.66	Mod-strong stockwork of hairlines & veinlets of med/dk qz.		15		145		Mod-Strong					145.08		
						146		Strong-Int.		1-2	Tr		51443	.003	.05
	145.63	2cm fault @ 80°				147		Strong-Int.					146.41		
	149.20	2cm fault @ 80°				147		Mod-Strong		1-2			51444	.002	.08
	149.05-149.20	Tr. Silver coloured needles.		0		148		Mod-Strong			Tr	Nil	148.13		
	152.52-152.63	Fault bx @ 35°		10		149		Strong-Int.					51445	.004	.21
	153.44-153.56	Fault bx @ 70°?				149		Mod-Strong		1-2	Tr	Hairlines of solid py-marc.	149.66		
	154.38-154.69	Broken zone-fault?				150		Strong-Int.					51446	.002	.05
	154.78-155.75	Series of narrow faults & slips, upper & lower 70°		25		151		Mod-Strong					151.18		
	154.78-169.62	Mod-strong stockwork of hairlines & veinlets of med f/dk qz.				152		Strong-Int.					51447	.002	.04
						153		Mod-Strong		1-2	Tr	Nil	152.70		
	154.78-168.10	Hairlines & veinlets of near solid py-marc.		35		154		Strong-Int.			Tr-1		154.23		
						155		Mod-Strong		1-3	Tr		51449	.001	.02
	159.11-159.72	Fault bx. Upper 55°, lower 35°		80		156		Mod-Strong				Nil	155.75		
	157.73	Tr. silver coloured needles.				157		Mod-Strong					51450	.001	.06
	163.98	Knots of amethyst up to 1.5cm.		65		158		Mod-Strong	Mod-strong stockw.	1-3	Tr	Hairlines & veinlets of near solid py-marc.	157.28		
						159		Mod-Strong					51451	.003	.05
	164.59-179.28	Scattered veinlets & knots of amethyst occasionally.		50		159		Mod-Strong		1-3	Tr		159.80		
								Mod-Strong					51452	.001	.07

From	To	Description	Grain	Ca.	Reson.	Fract.	Mod. Qz.	Amerth.	P ₁	Arg	Conn.	Graph.	Number	Au	Ag
132.04-183.46	168.10-168.71	Series of narrow faults & slips. Upper & lower 75°	75		160	Mod-Strong			1-3	Tr.	Nil		160.32	.001	.07
	169.62-170.47	Strong to intense stockwork of hairlines & veinlets of med & dk qz.	70		100	Int.							51453	.001	.10
	170.47-172.67	Mod-strong stockwork of hairlines & veinlets of med & dk qz. Pyromic in with qz but only rare near solid veinlets.	60		162	Strong-Int.			1-2				161.05		
			40		163	Mod-Strong				Tr			51454	.001	.07
			65		164	Strong-Int.			1-3				163.37		
			80		165	Mod-Strong	Amerth.						51455	.001	.09
			100		166	Strong-Int.	Mod-strong stkwk.			Tr	Nil		164.90		
	167.34-167.94	2-3% qz metallic.	80		167	Mod-Strong			1-3				166.42		
	170.17-170.39	2-3% qz metallic.	100		168	Strong-Int.							51456	.003	.11
	172.67-178.00	Wk-mod stockwork of hairlines & veinlets of med & dk qz.	80		169	Strong-Int.			2-3				167.94	.012	1.33
			100		170	Mod-Strong							51457	.003	.09
			75		171	Strong-Int.			1-3	Tr	Nil		169.47		
	178.00-183.46	Strong-int stockwork of hairlines & veinlets of med & dk qz.	100		172	Mod-Strong	Strong-intense stkwk.			Tr			51458	.002	.24
			75		173	Strong-Int.	Mod-strong stkwk.			2-3			170.99		
	179.28-179.71	Mod. graphite along sheared fractures.	100		174	Strong-Int.			1-3	Tr.			51459	.002	.03
			70		175	Mod-Strong					V.wk		172.52		
	179.45-179.65	Wk chrysocolla staining.	100		176	Mod-Strong			1-2				51460	.002	.18
	181.20-181.28	Fault bx @ 70°	70		177	Mod-Strong				Tr-1			174.04		
	181.63-181.66	Fault bx @ 70°	100		178	Mod-Strong				Nil	V.wk		51461	.002	.01
	181.97-182.12	Fault bx @ 70°	70		179	Mod-Strong							175.82		
	183.39-183.46	Fault bx/Upper 55°, lower 30°	80		180	Strong	Wk-mod stkwk		1-2		Nil		51462	.001	.01
			100		181	Strong			1-3	Nil			177.09		
			80		182	Strong							51463	.001	.02
			100		183	Strong			1-2				178.61		
			100		184	Strong	Strong-int stkwk.			Tr	Nil		51464	.001	.03
			100		185	Strong							180.13		

Hairlines/veinlets of near solid pyromic

Chrys. Mod.

From	To	Description	Strat. C.A.	Recon. Miles	Frac.	Kool	Qz	Alteration	Py	Arg	Cu	Number	Av	Aq
132.04	183.44 (cont'd)			100	100	Strong			1-2	Tr	Nil	51466	.002	.09
				75	181	Int.	Strong					181.64		
					182			Strong-int. stkwk				51467	.002	.02
				70	183	Int.	Strong		1-2	Tr	Nil	183.18		
				100	184	Int.	Mod-Strong		2-5	2-5		51468	.006	.08
					185							184.71		
183.46	215.19	Brecciated lt. qz and lt. lime green rhy. ash tuff. Several stages of brecciation apparent. First stage looks to have occurred shortly after deposition with healing by material of similar composition. Later overprinting by weak to mod. stockwork veining. Wk lamination locally.		NA	186	Int.			1-3	Tr-2		51469	.004	.07
				100	187	Int.	Mod-Strong					187.22		
					188							51470	.003	.04
					189	Int.			1-3	Tr-2		189.76		
		183.46-184.68 2-5% py, 2-5% qz metallic? Looks like same qz metallic as previously, but could be extremely fine granular blebs of marcasite.		NA	190	Int.						51471	.003	.01
				100	191	Int.	Mod-Strong					189.28		
					192			Weak-mod stkwk				51472	.002	.04
					193	Int.			Tr-1		Nil	192.80		
					194	Int.			Tr			51473	.001	.01
					195	Int.			1-3			192.83		
		184.68-189.22 1-3% py, tr-2% qz metallic		5	196	Int.						51474	.001	.01
					197	Int.						193.85		
					198	Int.	Mod-Strong		1-3	Tr	Nil	51475	.002	.03
				100	199	Int.						195.37		
					200	Int.			1-2			51476	.001	.01
												196.90		
												51477	.001	.03
												198.42		
									1-2			51478	.001	.02
									Tr		Nil	199.95		

From	To	Description	Graphic	C.A.	Recon	Notes	Spec.	Material	Kind	Qz	By	Ag	Can	Number	Am	Ag
183.46	215.19 (cont'd)			NA	100		200	Int. Mod. Stone			1-2	Tr	Nil	51479	.001	.02
							201							201.97		
							202							51480	.001	.01
							203							203.00		
				NA	100		204	Int. Mod. Stone			1-2	Tr	Nil	51481	.001	.01
							205							204.52		
							206							51482	.001	.01
							207	Int. Mod. Stone	Wk. mod. st. k. k.		1-2	Tr	Nil	51483	.001	.01
				NA	100		208							207.57		
							209							51484	.001	.01
							210	Int. Mod. Stone			1-2	Tr	Nil	51485	.001	.03
				NA	100		211							209.09		
							212							51486	.001	.01
							213	Int. Mod. Stone			1-2	Tr	Nil	51487	.001	.03
				NA	100		214							210.62		
							215							51488	.001	.01
														212.14		
														51487	.001	.03
														213.66		
215.19		END OF HOLE					215							51488	.001	.01
														215.19		

DIAMOND DRILL RECORD

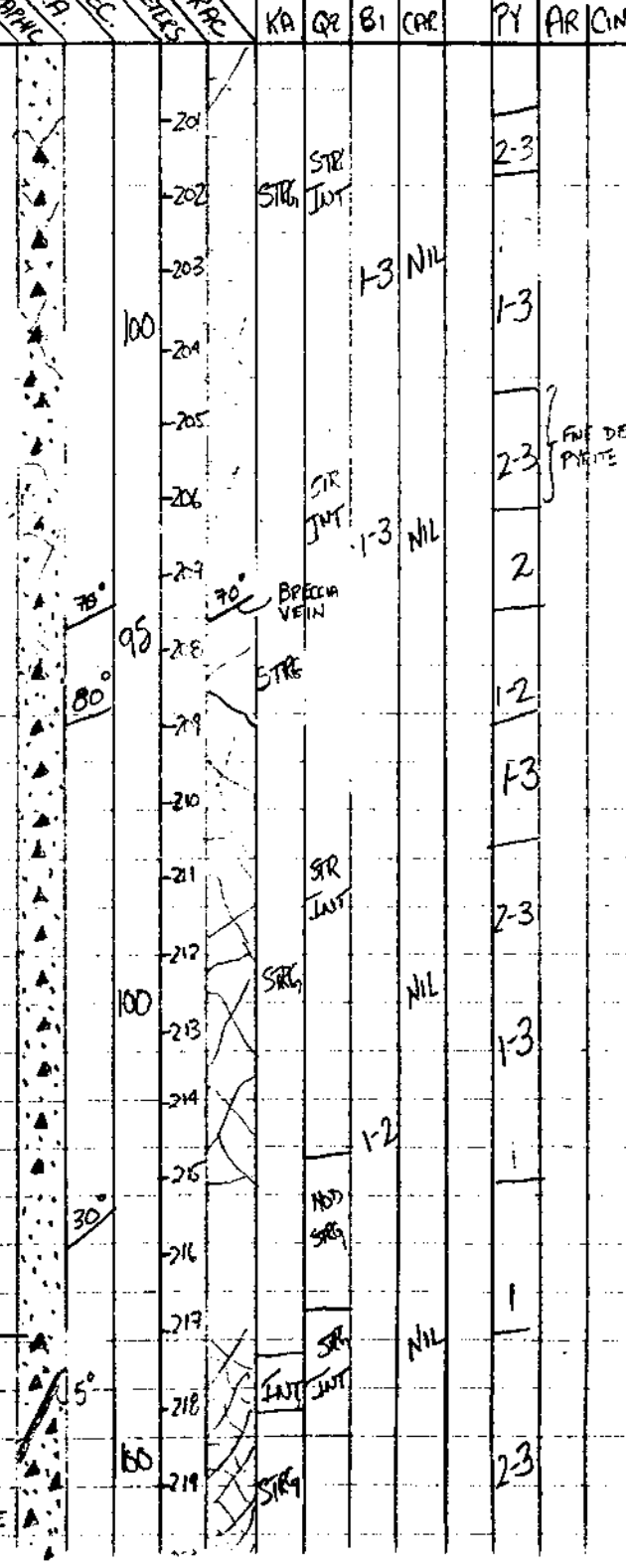
DATE BEGAN July 13, 1988 DATE COMPLETED July 14, 1988

PROPERTY	<u>RHUB - BARB</u>	PROJECT No	<u>620</u>	DEPTH	<u>242.62 m</u>
HOLE No	<u>SDH-12</u>	CO-ORD	<u> </u>	HOR. LENGTH	<u>162.34 m</u>
CLAIM No.	<u>RHUB-8</u>	ELEVATION	<u> </u>	DIRECTION	<u>260°</u>
ACID TEST; APPARENT	<u>-55°</u>	CORE DIAMETER	<u>NQ</u>	ANGLE	<u>-50°</u>
CORRECTED	<u>-48°</u>				
TEST DEPTH	<u>242.62 m</u>				

FROM - TO	DESCRIPTION	SPIC	EC	ZFB	HC	KA	QZ	B1	CR	PY	ARG	CIN	NUMBER	QU	Og
65.81 - 87.63 (cont.)	83.36 - 84.0 - FAULT ZONE, CLAY - INTENSE ARGILLIC ALTERATION FAULT TOP ~ 55° FAULT BOTTOM ~ 60°	81	100			MOD STRG	WK MOD		WK	1-2					
	84.43 - CONTACT BETWEEN COARSE CLASTS TO FINER MORE ROUNDED CLAST (CRUDE GRADING) TOP ~ 65°	82						TR							
	84.95 - CONTACT BOTTOM ~ 85°	84				INT				TR					
	86.25 - FAULT TOP ~ 85°	85				STRG	MOD			1-2					
		86	90			INT									
		87								2-3					
		88				STRG							87.63		
87.63 - 95.71	LIGHT GREEN & GREY RHYOLITE ASH TUFF STRONG ARGILLIC ALTERATION. MED GREY TO DARK GREY QUARTZ VEINLETS WITH ASSOCIATED BRECCIA. 1-3 % DISSEMINATED PYRITE.	89				MOD	1-2		NIL	1-3	TR		54566	.001	.02
		90									TR		89.15		
		91	95			STRG				1			54567	.001	.03
		92											90.52		
		93				MOD				2-3			54568	.001	.02
		94				MOD	1-2		NIL	1-3			92.04		
		95				MOD							54569	.001	.01
95.71 - 112.34	SAME AS 87.63 - 95.71. WHITE - TO LIGHT GREY & GREEN RHYOLITE ASH TUFF FAINT FLOW BANDING. MINOR AMETHYST IN VEINLETS & BLOBS.	96							WK				93.57		
		97				STRG				1-2			96.32		
		98				WK	1-2						54570	.001	.01
		99											97.85		
												54571	.001	.01	
												99.36			

FROM - TO	DESCRIPTION	SP. GRAIN	A	EC	STRG	INT	KA	QZ	BI	KAR	Py	Arg	CIN	NUMBER	QUOG	(4)
139.5 - 146.8 (cont)	160.2 - 160.9 - FAULT GOUGE TOP ~ 60° BOTTOM ~ 60°													160.32		
	161.65 - 162.10 - FAULT GOUGE TOP 1 BOTTOM ~ 20°													54609	.001 .02	
	161.85 - 163.4 - WK STOCKWORK OF MED GREY QZ VEINLETS (1mm - 1cm WIDE, PYRITE FILLED.													161.85		
	165.68 - 165.90 - FAULT GOUGE TOP ~ 27°													54610	.001 .05	
	166.41 - 167.31 - FAULT GOUGE TOP ~ 35° TOP ~ 35°													163.37		
	168.01 - 169.6 - STOCKWORK VEINING AND BRECCIA (3% PYRITE)													54611	.001 .03	
	169.6 - 169.9 - FAULT GOUGE TOP ~ 5° BOTTOM ~ 20°													164.90		
	172.2 - 172.8 - FAULT GOUGE TOP ~ 25° BOTTOM UNDETERMINED													54612	.002 .01	
	171.10 - STOCKWORK OF GREY QZ VEINLETS WITH MINOR BRECCIA 2-5% PYRITE AS SCATTERED BIORS AND FLOW VEINLETS.													166.42		
	175.2 - 175.6 - DARK GREY TO BLACK SUBHEDRALIC MINERAL POSSIBLY ARGENTITE (Tr - 1%)													54613	.001 .01	
														169.95		
														54614	.001 .02	
														167.47		
														54615	.002 .03	
														171.0		
														54616	.001 .03	
														172.5		
														54617	.001 .03	
														174.04		
														54618	.001 .06	
														175.56		
														54619	.001 .04	
														177.09		
176.80 - 182.71	WHITE TO LIGHT GREY ASH TUFF WITH DISTINCT LAMINATION (LIGHT GREY QZ), MINOR VEINLETS TO STOCKWORK SYSTEM WITH MINOR BRECCIA. STRONG													54620	.001 .04	
														178.61		
														54621	.001 .03	

FROM - TO	DESCRIPTION	SPHCL	A.C.	TESTS	KA	QZ	B1	CR	PY	AR	CIN	NUMBER	QU	AG	(11)		
182.71-217.01 (cont)	201.3-215.2 - STOCKWORK OF VEINETS WITH BRECCIA STRONG TO INTENSE SIGNIFICATION 218.3-218.56 - FAULT GOUGE, TOP UNDETERMINED BOTTOM ~ 5'											200.58					
									2-3				54635 201.47	.001	.02		
													54636 203.00	.001	.02		
										1-3			54637 204.52	.001	.01		
										2-3			54638 206.04	.007	.02		
										2			54639 207.56	.001	.01		
										1-2			54640 209.09	.001	.02		
										1-3			54641 210.61	.001	.02		
										2-3			54642 212.14	.001	.01		
										1-3			54643 213.66	.001	.01		
										1-2			54644 215.06	.001	.01		
										1			54645 217.47	.001	.01		
		217.01-240.0	WHITE TO LIGHT GREEN WITH MORE DISTINCT LIME GREEN COLOUR, MOD TO INTENSE BRECCIA WITH STRONG-INTENSE (OR INTENSE) 1-2-5% (PURE)											54646 218.24	.001	.02	
											2-3			54647 219.76	.001	.01	



FROM - TO	DESCRIPTION	SPARK	P.	EC	MC	KA	QZ	BI	CAR	PY	AR	CN	NUMBER	QUAG	12
217.01 - 240.0 (cont)	221.23 - 221.85 - FAULT GOUGE GOUGE TOP & BOTTOM UNDET. 3-5% PYRITE	[Diagram: Fault gouge with triangles]	95	-221	-	STR ₉	STR ₉	1-3	NIL	2-3			54648	.001	.02
	SUT								3-5 ^{TR}			221.28			
	223.5 - 223.80 - FAULT GOUGE BOTTOM ~ 10°			-222						3			54649	.001	.03
	231.0 - BRECCIA VEIN ~ 55° BOTTOM			-223									222.8		
	230.1 - 230.4 - BLACK SUBMETALIC MINERAL WITH YELLOW- ORANGE STAINING			-224	10°								54650	.001	.01
	237.74 - 237.75 - BANDED LIGHT GREY TO DARK GREY QZ WITH 10-15% PYRITE ~ 90°			-224	85°								224.30		
	238.7 - 239.97 - FAULT GOUGE TOP ~ 70°			-225									54701	.001	.01
	238.6 - 238.7 - BANDED QUARTZ VEIN AT TOP OF FAULT GOUGE TOP/BOTTOM ~ 70° (10-15% PYRITE)			-225	85°								225.85		
				-226	55°								54702	.001	.01
				-227									227.38		
				-228									54703	.001	.01
				-229									228.90		
				-230									54704	.001	.01
				-231	55°								230.42		
				-232									54705	.001	.01
				-233									231.95		
				-234									54706	.001	.01
				-235									233.53		
				-236									54707	.001	.01
				-237									235.00		
				-238									54708	.001	.01
				-239									236.96		
				-240									54709	.001	.01
				-241									238.04		
				-242									54710	.001	.03
				-243									239.57		

From - To	DESCRIPTION	GRAINE	C.A.	REC	FEELS	FRAC	ALTERATION				MINERALIZATION			NORICEP	Au	Ag	(13)
							KA	GR	BI	CR	PY	AR	CN				
240.0 - 242.62	LIGHT GRAY & GREEN ASH TUFF WITH VERY INTENSE SILICIFICATION. LIGHT GREY TO DARK GREY SILICA BANDS WITH UP TO 10-15% PYRITE. BANDING 70°			70°		211	SIR				57			54712	.001	.01	
						212	INT	1-2	NIL	2-3			54713	.001	.02		

END OF HOLE