

K - FORENSIC RIVER 82(3A)

2

327

00 527

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35
40
45

GEOLOGICAL BRANCH
ASSESSMENT REPORT

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25	5
				B		68°		<p>rubble from 25'-30'</p> <p>2 of these</p> <p>2 of these</p> <p>2 of these</p>										
				J ₂	C	26°												
				J ₂	Fe	8°												
				B		62°												
				J ₂	W	31°	180°											
				J ₂	W	31°	87°											
				J ₂	C	36°												
				J ₂	C	31°	180°											
				J ₂	C	24°												
				J ₂	C	12°												

OPEN FILE

COMPLETED

LOGGED BY: E. Daignault
DATE: July 9/82
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 2 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
5								FIRST ELEVEN FEET IS OVERBURDEN												
10																				
15				J ₂	Fe	36°														
				J ₂	Fe	42°														
				J ₂	Fe	48°														
				J ₂	Fe	26°														
				J ₂	Fe	26°			2 of these											
				J ₂	Fe	43°			3 of these											
20				J ₂	Fe	21°			2 of these											
				J ₂	Fe	8°														

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DATE: July 9/82

PROJECT No. _____

South Eagle
Q22B

149,732.0 N
26 715.9 E

2151.5 m

Golder Associates

Hole No. 1710

SHEET 1 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
55				J ₂	C	7°														
				B	W	57°														
				J ₂	W	24°														
60				J ₅	W	32°	180°	5 of these												
				J ₂	W	7°														
				B		60°														
65				J ₅	W	40°		N7 discontinuous												
				J ₂		57°	179°													
				J ₅	W	24°														
70				J ₂	C	38°	180°	6 N 2" apart												
				J ₂	B	7°														

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DATE: July 2/88
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 3 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
80				J ₅		39°													
85				J ₂ B	C	36° 64°													
90				B J ₅ J ₂	W C	65° 24° 24°	110°												
95				J ₂ B	W	24° 68°	120°												

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 DATE: July 9/82
 PROJECT No. _____

Golder Associates

Hole No. 1710
 SHEET 7 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
105				J ₂ B	C	9° 62°														
110				J ₁ J ₂ J ₅	C C W	30° 50° 18°														
115				J ₅ J ₂	W W	33° 24°		2 of these												
120				J ₂ B	C	38° 28° 62°														

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Golder Associates

Hole No. 1710
SHEET 5 OF _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/>			BROKEN CORE <input checked="" type="checkbox"/>			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15						
130				J ₂	C	7°	95°	3 of these																	
				J ₂	C	12°																			
				B	C	72°																			
135				J ₅	W	7°																			
				J ₅	W	18°																			
				J ₂	W	18°																			
140				B		75°																			
				J ₂	W	24°																			
				J ₂	W	18°																			
145				J ₂	W	43°																			
				J ₂	C	47°																			
				B		55°																			
				J ₂	C	26°	180°	2 N 6" apart																	
				J ₂	C	7°																			
				J ₂	C	14°																			

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DATE: July 9/82
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 6 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15	
155				J ₅	W	22°		6 joints polished 2~3" apart												
				J ₂	W	7°														
				J ₂	W	24°														
160				B		62°		2 of these												
				J ₅	W	44°	85°													
				J ₅	W	7°														
165				J ₂	W	31°														
				J ₂	W	39°														
				B	W	56°														
				J ₂	W	22°	170°													
170				J ₂	W	43°	180°	2 of these												
				B		64°														
				J ₂	C	7°		3 of these												
				J ₂	C	57°	45°	3 of these												

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DATE: July 9/82

PROJECT No. _____

Golder Associates

Hole No. 1710

SHEET 7 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
180				J ₂	C	24°		2 of these 2 of these N/1" apart												
				B		58°														
				J ₂	C	7°														
				J ₂	C	18°														
185																				
				J ₂	C	22°		3 of these												
190																				
195																				

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DATE: July 9/82
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 2 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
205				J ₂	B	14°													
210				B		38°													
215				J ₂	C	41°	240°												
220				J ₅	W	36°													
				J ₂	C	44°													
				B		57°													

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 DATE: July 9/82
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Golder Associates

Hole No. 1710
 SHEET 9 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
-255				J ₅	W	42°		6 of these												
				J ₅	C	11°														
				J ₅	W	16°		2 of these												
				J ₂	W	11°		2 N 1" apart												
-260				J ₅	C/W	65°		2 of these N 1" apart												
				B		40°														
				J ₂	C	20°/10°														
-265				J ₅	W	47°		3 of these												
				J ₂	C	41°/175°		2 of these												
-270				B		44°														
				J ₅	C	38°														

LOGGED BY: F. Daignault

DATE: July 11/82

PROJECT NO.

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG BRECCIA / COUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15	
-280				J ₂	W	23°		4 of these												
				J ₅	W	22°														
				B		56°														
				J ₅	W	32°	180°		5 of these											
-285				J ₂	C	14°		5-8 of these												
				J ₅	W	42°														
				B		56°														
-290				J ₅	W	22°														
-295				J ₂	C	22°														
				B		56°														
				J ₅	W	9°														

LOGGED BY: E. Daignault

DATE: July 12/82

PROJECT NO.:

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG <input type="checkbox"/> BRECCIA / SOUGE <input checked="" type="checkbox"/> BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
305				B		50°		X-bedding											
				J ₂	C	40°	360°												
				J ₂	C	9°	75°												
310				B		48°													
				J ₂	C	72°	360°												
315				J ₂	C	9°	75°												
				J ₂	C	30°	189°												
320				B		55°													
				J ₂	C	22°													
				J ₂	C	52°													

LOGGED BY: E. D. [unclear]
DATE: July 17/82
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 13 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15	
330				J ₃	W	11°		2 of these												
				J ₂		62°														
				B		57°														
335				J ₃	W	5°														
				J ₂	C	22°														
340				B		58°	210°													
				J ₂	C	30°														
				J ₂	C	47°														
345				B		58°														

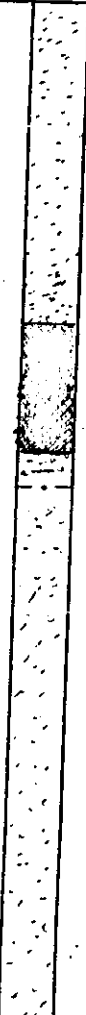
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 DATE: July 11/82
 PROJECT NO. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
355																			
360																			
365																			
370																			

LOGGED BY: E. Dargault
 DATE: July 11/82
 PROJECT No. _____

Golder Associates

Hole No. 1710
 SHEET 15 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15	
405				B		61°			<input type="checkbox"/> BRECCIA / GOUGE <input checked="" type="checkbox"/> BROKEN CORE											
410				J ₂ C		34°														
415				B		67°														
				J ₂ C		26°														
				J ₅ W		26°														
420				J ₂ W		35° / 55°														
				J ₅ W		27° / 24°	3 of these													
				J ₂ W		9°	2 of these													
				B		55°														

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 DATE: July 12/82
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Golder Associates

Hole No. 1710
 SHEET 17 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / BOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
430				J ₂	W	34°	85°	2 of these													
				J ₁	W	16°	30°														
				B		57°															
435				J ₅	C	16°															
440				J ₂	C	16°		3 of these													
				J ₂	C	32°															
				B		64°															
445				J ₅	C	16°															

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DATE: July 12/82
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 18 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
455				J ₂	C	40°		4 of these											
460				J ₂	C	38°													
				J ₅	W	38°													
				J ₅	C	22°	180°	2 of these											
				B		45°													
465				J ₂	C	9°		2 of these											
				J ₅	W	42°	175°												
470				J ₂	C	48°	70°												
				B		54°													
				J ₅	W	30°		2 N 1" apart											
				J ₂	C	7°													

LOGGED BY: E. Dignault
DATE: July 12/83
PROJECT No: _____

Golder Associates

Hole No. 1710
SHEET 19 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
480				B		53°		2 of these											
				J ₂ C		44°													
485				J ₂ C		28°		2 of these ~ 3" apart											
490				J ₂ C		18°													
495				J ₂ C		7°		2 of these											
				B		54°													
				J ₂ C		7°													
				J ₂ C		24°													

LOGGED BY: E. Daignault
 DATE: July 12/82
 PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
505				J ₂	C	16°														
510				B		64°														
515				J ₂	W	16°														
				J ₅	W	16°														
				B		64°														
				J ₅	W	11°														
520				J ₂	C	34°														
				J ₂	W	12°	85°													
				J ₂	C	7°														
				J ₂	C	12°														

LOGGED BY: E. Dignault
DATE: July 12/82
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 21 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
530																			
535																			
540																			
545				B		36°													
				J ₂	B	9°													
				J ₂	B	32°	25°	2 of these											
				J ₂	B	24°													

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 DATE: July 12/82
 PROJECT No. _____

Golder Associates

Hole No. 1710
 SHEET 23 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
555				J ₂	C	32°	165°												
				B		55°													
				J ₅	C	16°													
560				B		58°													
565				J ₂	C	34°													
570				J ₂	C	22°		2N 1" apart											
				J ₂	B	28°													
				J ₂	C	22°	130°	2 of these											

LOGGED BY: E. Daignault
 DATE: July 14/82
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DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
580				B		48°													
585				J ₂	W	9°	85°												
590				J ₂	C	6°		3 of these											
				B		61°													
				J ₂	C	7°		2 of these											
				J ₂	C	28°													
595				J ₂	C	18°		2 of these											
				J ₂	C	7°													

LOGGED BY: E. Mignault
DATE: July 14/82
PROJECT No. _____

Golder Associates

Hole No. 1710

SHEET 25 OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE			BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25	5	10	15				
605				J ₂	C	7°		2 of these																
610				J ₂	C	28°																		
				J ₂	C	62°																		
				J ₂	C	9°																		
615				J ₂	C	26°																		
				J ₂	C	52°																		
				J ₂	C	34°																		
620				J ₂	C	12°		3 of these (2 are J ₅)																
				J ₂	W	12°																		
				J ₂	C	53°	360°																	
				J ₂	W	16°																		
				J ₂	W	8°		2 of these																

LOGGED BY: S. Daignault
 DATE: July 14/82.
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Golder Associates

Hole No. 1710
 SHEET 26 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
630				B		55°														
				I	W	34°														
635																				
				B		58°														
640				J ₂	C	61°	145°													
645				J ₂		32°	180°	2 of these												
				B		48°														

LOGGED BY: E. Desautels
DATE: July 17/82
PROJECT No. _____

Golder Associates

Hole No. 1710
SHEET 27 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
655				B J ₂	C W	50° 25°	120°												
660																			
665				B	C	50°													
670				J ₂	W	7°													

LOGGED BY: F. Daignault
 DATE: July 14/82
 PROJECT No. _____

Golder Associates

Hole No. 1710
 SHEET 28 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
680				J ₂ C		28°	180°													
685				J ₂ C		35°														
				B	B	45°														
690																				
695				J ₂ W		18°														

LOGGED BY: E. Daignault
 DATE: July 14/82
 PROJECT No. _____

Golder Associates

Hole No. 1710
 SHEET 29 OF _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
705				B		53°														
710				J ₂	W	38°	350°													
715				J ₂	W	22°														
				J ₂	W	16°														
720				B		53°														
				J ₂	W	22°														

2 of these

LOGGED BY: E. Duggan
 DATE: July 14/82
 PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
-780																			
-785																			
-790																			
-795				B	J ₂	B	5°												

LOGGED BY: E. Dargault

DATE: July 15/82

PROJECT NO.

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
805				B		67°													
				J ₂	B	68°	180°												
810																			
815				B		54°													
				J ₂	C	7°													
				J ₂	C	18°													
820				J ₂	C	22°													

LOGGED BY: E. Dignault

DATE: July 15/82

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
-830				B		57°														
-835				J ₂ B		22° 5'														
-840				J ₂ B		9°														
				B		57°														
				J ₂ W		18°														
-845				J ₂ B		28°														
				B		40°		2 of these												

LOGGED BY: E. Daignault

DATE: July 15/82

PROJECT NO:

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
-855				J ₂	W	22°		2 of these													
-860				J ₅ B	W	56° 48°															
-865				J ₅	W	23°		3 of these													
-870				J ₂ B	B/W	7°															
				J ₃ B	W	22° 58°															

LOGGED BY: E. Dringault

DATE: July 15/82.

PROJECT NO.

Golden Appraisal

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GORGE BROKEN CORE	HARONNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILL'G	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
-880				B		62°															
-885				J ₂ B		36°															
-890				J ₂ C		16°															
-895				B		68°															

LOGGED BY: E. Daignault

DATE: July 15/83

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
-905																			
-910				J ₂ C		28°													
-915				J ₂ B		28°	2 of these N 1/2" apart												
				J ₂ B		38°													
-920																			

LOGGED BY: E. Dymally
DATE: July 16/82
PROJECT No.

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
-930				J ₂	C	24°													
				J ₅	W	24°	10°												
				J _{1/2}	C	7°													
				B		68°													
-935				J ₂	C	45°		2 of these											
				J ₂	C	24°													
				J ₂	W	30°													
				J ₂	W	14°													
-940				J ₂	W	44°													
				J ₂	C	7°		2 of these											
				B		69°													
-945				J ₂	C	16°		runs N 4' through core											

LOGGED BY: F. Desjardins
DATE: July 15/82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	PRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	IF CLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
-1005				B I W		65° 34°															
-1010																					
-1015																					
-1020				B		60°															

LOGGED BY: E. Dignault
DATE: July 16, 1962

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2			75	50
				B		8°											
				J1		8°											
-1080				J1		8°											
				J2		11°											
				B		90°											
-1085				B		90°											
-1090				B		90°											
				J2		14°											
-1095				B		90°											

LOGGED BY: P. DUBZINSKI

DATE: 21 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / COUGE <input type="checkbox"/> BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		90°													
-1105				B		70°													
-1110				B		76°													
-1115				B		85°													
-1120				B		90°													

LOGGED BY: P. DUDZINSKI

DATE: 21 JULY 82

PROJECT No. _____

Golder Associates

Hole No. 1710

SHEET 46 OF _____

DEPTH	PERCENT COR. LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2			75	50
						85°											
- 1130				B		76°											
- 1135				B		75°											
- 1140				B		52°											
- 1145				B		61°											

LOGGED BY: P. DUDZINSKI

DATE: 21 JULY 82

PROJECT No.

Goldor Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	DIP/CLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		46°																
1158				B		45°																
1160				B		41°																
1165				B		60°																
1170				B J2		60° 8°																

LOGGED BY: P. DODZINSKI

DATE: 20 JULY 82

PROJECT No.

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
				B		48°											
1180				B		45°											
				B		33°											
1185				B		48°											
1190				B		53°											
1195				B		62°											

LOGGED BY: _____

DATE: _____

PROJECT No. _____

Golder Associates

Hole No. _____

SHEET _____ OF _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
				B	W	56°														
-1230				B		60°														
-1235				B		56°														
-1240				B		65°														
-1245				B		70°														

LOGGED BY: P. DUBZINSKI

DATE: 21 JULY 82

PROJECT NO.

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		60°														
1330				B		60°														
1335				B J2		10° 18°														
1340				B J3		75° 40°														
1345				B		75°														

LOGGED BY: R. DUDZINSKI

DATE: 21 JULY 82

PROJECT No:

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		66°													
-1355				B JS	W	65° 34°													
-1360				B J2		65° 18°													
-1365				B		65°													
-1370				B J2		65° 8°													

LOGGED BY: P. DUDZINSKI

DATE: 21 JULY 82

PROJECT No.

Colder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		60°														
-1380				D		55°														
-1385				B		74°														
				B		20°														
-1390				B		64°														
-1396				B		65°														

DUGGED BY: P. DUDZINSKI

DATE: 21 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		52														
-1405				B		50°														
-1410				B		61°														
-1415				B		51°														
-1420				B		54°														

LOGGED BY: P. DUDZINSKI
DATE: 22 JULY 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		61°													
-1430				B		52°													
-1435				B		57°													
-1440				B		58°													
-1445				B J2		71° 32°													

LOGGED BY: P. DUDZINSKI

DATE: 22 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		45°														
-1455				B J2		40° 32°														
-1460				B J2		15° 32°														
-1465				B		59°														
-1470				B		50°														

LOGGED BY: P. DUDZINSKI
DATE: 22 JULY 82
PROJECT No.

Hole No. 1710

Golder Associates

DEPTH	PERCENT CORE LOSS 25 50 75	FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/>	BROKEN CORE <input type="checkbox"/>	HARDNESS 4 3 2	ROCK QUALITY DESIGNATION 75 50 25	NATURAL FRACTURE FREQUENCY PER FOOT 5 10 15
		TYPE	INFILLING	INCLINATION								
-1480		B		64° 15°								
-1485		B J5	w	51° 27°								
-1490		B J2		64° 35°								
-1495		B		62°								

LOGGED BY: Z. DUBZINSKI
DATE: 22 JULY 82

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		69°														
				J2		5°														
-1530				B		68°														
-1535				B		56°														
-1540				B		64°														
				J2		10°														
-1545				B		76°														
				J2		8°		2 EACH												

LOGGED BY: P. DUDZINSKI

DATE: 22 JULY 82

PROJECT NO.

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		64°																
				J3	W	45°	180°															
-1605				B		55°																
-1610				B		79°																
-1615				B		66°																
-1620				B		74°																
				J3	W	48°																

LOGGED BY: P. DUDZINSKI

DATE: 23 JULY 82

PROJECT NO:

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
				B		65°											
1630				B		50°											
1635				B		53°											
1640				B		59°											
1645				B		61°											

LOGGED BY: P. DUDZINSKI
DATE: 26 JULY 82

Golden Associates

Hole No. 171D
SHEET OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		58°														
-1655				B J2		58° 27°														
-1660				B J2		50° 23°														
-1665				B		54°														
-1670				B J2		67° 8°														

LOGGED BY: P. DUDZINSKI

DATE: 26 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
-1705				B		69°														
-1710				B		66°														
-1715				B		65°														
-1720				B		74°														

LOGGED BY: P. DUDZINSKI

DATE: 26 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		69°																
-1730				B		51°																
-1735				B		66°																
-1740				B		69°																
-1745				B		68°																

LOGGED BY: P. DUDZINSKI

DATE: 26 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

SHEET OF

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		70°																
-1755				B		67°																
-1760				B		72°																
-1765				B		64°																
-1770				B J2		65° 18°	2 EACH															

LOGGED BY: P. DUDZINSKI
DATE: 27 JULY 20

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> FROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		76°														
-1780				B		62°														
-1785				B		69°														
-1790				B		56°														
-1795				B		62°														

LOGGED BY: P. DUDZINSKI

DATE: 11/17/50

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		60°														
-1805				B		66°														
-1810				B		63°														
-1815				B		60°														
-1820				B		64°														

LOGGED BY: P. DUDZINSKI

DATE: 27 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B		65°															
-1830				B		65°															
-1835				B		63°															
-1840				B		61°															
-1845				B		60°															

LOGGED BY: P. DODZINSKI

DATE: 27 JULY 82

PROJECT No.

Golden Associates

Hole No. _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
				B		67°														
-1855				B J2		70° 120°														
-1860				B		68°														
-1865				B		66°														
-1870				B		64°														

LOGGED BY: P. DUDZINSKI
DATE: 27 JULY 82
PROJECT No.

Golder Associates

Hole No. 1710
SHEET OF

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		61°													
-1880				B		55°													
-1885				B		58°													
-1890				B		63°													
-1895				B		56°													
				B	W	44°	4' EACH.												

LOGGED BY: P. DUDZINSKI
DATE: 27 JULY 82
PROJECT No.

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
				B		66°															
				B		25°															
-1905				B		66°															
-1910				B		70°															
-1915				B		66°															
-1920				B		62°															

LOGGED BY: P. DUDZINSKI

DATE: 27 JULY 82

PROJECT No.

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		68°														
				J2		8°														
-1930				B		58°														
-1935				B		64°														
-1940				B		60°														
-1945				B		63°														

LOGGED BY: P. DUDZINSKI

DATE: 28 JULY 82

PROJECT NO.

Golden Age

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
				B		66°															
-1955				B J3	W	58° 38°	150°														
-1960				B J2		64° 21°		2 EACH.													
-1965				B J2		65° 21°															
-1970				B		60°															

LOGGED BY: P. DUDZINSKI

DATE: 28 JULY 82

PROJECT No:

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION 75 50 25	NATURAL FRACTURE FREQUENCY PER FOOT 5 10 15
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3		
				B		60°									
-1980				B		69°									
-1985				B		63°									
-1990				B J2		61° 24°									
-1995				B		68°									

LOGGED BY: P. DUDZINSKI

DATE: 28 JULY 82

PROJECT No.

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		60°													
-2005				B		60°													
-2010				B		62°													
-2015				B		62°													
-2020				B		61°													

LOGGED BY: P. DUBZINSKI

DATE: 28 JULY 82

PROJECT NO.

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B		67°															
-2030				B		68°															
-2035				B		62°															
-2040				B		76°															
-2045				B 13		69° 8°															

LOGGED BY: P. DUDZINSKI

DATE: 28 JULY 82

PROJECT No.

Golder Associates

Hole No. 17 ko

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B		62°															
-2055				B J2		66° 23°	-														
-2060				B		62°															
-2065				J J2		70° 36°															
-2070				B		61°															

LOGGED BY: P. DUDZINSKI

DATE: 28 JULY 82

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		
				B		68°							75 50 25		
				J2		29°									
-2080				B		64°									
-2085				B		71°									
				J2		8°									
-2090				B		77°									
-2095				B		70°									

LOGGED BY: P. DUDZINSKI
 DATE: 29 JULY 82
 PROJECT NO:

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION 75 50 25	NATURAL FRACTURE FREQUENCY PER FOOT 5 10 15
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		
				B J5	W	70° 46°									
-2105				B J2		66° 11°									
-2110				B J2		72° 42°									
-2115				B J2		64° 11°									
-2120				B J2		61° 50°	3 EAct								

LOGGED BY: P. DUBZINSKI

DATE: 29 JULY 82

PROJECT NO.

Goldier Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B J2		78° 43°															
-2130				B J2 J2		76° 43° 12°															
-2135				B J2		66° 33°															
-2140				B		74°															
-2145				B J2		69° 21°															

LOGGED BY: P. DUDZINSKI

DATE: 29 JULY 82

PROJECT No

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25	5
				B		66°		2 FACIT										
				J2		25°												
-2155				B		65°												
-2160				B		64°												
-2165				B		45°												
				S2		12°												
-2170				B		49°												

LOGGED BY: P. DUDZINSKI

DATE: 29 JULY 82

PROJECT No:

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILL'G	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		51°																
-2180				B		74°																
-2185				B		65°																
-2190				B		70°																
-2195				B J2		74° 45°	2 EACH															

LOGGED BY: P. DUDZINSKI

DATE: 29 JULY 82

PROJECT No:

Goldier Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HANDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILL'G	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		76°														
				52		39°														
-2205				B		70°														
-2210				B		72°														
-2215				B		73°														
-2220				B		70°														

LOGGED BY: P. DUDZINSKI

DATE: 29 JULY 82

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		74°														
-2220				B		84°														
-2235				B J2		79° 22°														
-2240				B		79°														
-2246				B		79°														

LOGGED BY: P. DUDZINSKI
 DATE: 29 JULY 82
 PROJECT No:

Hole No. 1710

Golder Associates

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		78°														
-2255				B		79°														
-2260				B		50°														
-2265				B		77°														
				52		36°														
-2270				B		77°														

LOGGED BY: P. DUDZINSKI

DATE: 30 JULY 82

PROJECT No:

Golden Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		77°														
-1280				B		76°														
-1285				B		79°														
-1290				B		81°														
-1295				B		77°														

LOGGED BY: P. DODZINSKI

DATE: 30 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		80°																
-2305				B		82°																
-2310				B		86°																
-2315				B 52		89° 12°																
-2320				B		68°																

LOGGED BY: P. DUDZINSKI

DATE: 30 JULY 82

PROJECT IN:

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		77°														
-2330				B		75°														
-2335				B		79°														
-2340				B		77°														
-2345				B		77°														

LOGGED BY: P. DUDZINSKI

DATE: 30 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15		
				B		72°		2 EACH		<input type="checkbox"/> BRECCIA / GOUGE <input checked="" type="checkbox"/> BROKEN CORE											
				12		27°															
-2355				B		82°															
				15	W	8°															
-2360				B		83°															
-2365				B		84°															
-2370				B		76°															

LOGGED BY: P. DUDZINSKI
DATE: 30 JULY 82
PROJECT No. _____

Golder Associates

Hole No. 1710

SHEET _____

DEPTH	PERCENT CORF LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		80°														
				J2	W	32°														
-2380				B		71°														
-2385				B		77°														
				J2		10°														
-2390				B		76°														
-2395				B		74°														

LOGGED BY: P. DUDZINSKI

DATE: 30 JULY 82

PROJECT No.

Golder Associates

Hole No. 1710

CURT

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
				B		80°														
-2405				B		79°														
-2410				B		70°														
-2415				B		73°														
-2420				B		75°														

LOGGED BY: P. DUDZINSKI

DATE: 30 JULY 82

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / COUPE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS	ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING							
				B		85°						4 3 2	75 50 25	5 10 15
-2430				B		85°								
-2435				B		80°								
-2440				B		76°								
-2445				B		80°								

LOGGED BY: P. DUDZINSKA

DATE: 29 JULY

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		6°														
-2455				B		72°														
-2460				B		75°														
-2465				B		78°														
-2470				B JS		76° 38°														

LOGGED BY: P. DUDZINSKI

DATE: 6 AUG 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
				B		71°	2 EACH.	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]	[Vertical line with dots]		
			J2		16°																
-2505				B		75°															
			J2		17°																
-2510				B		77°															
-2515				B		74°															
-2520				B		74°															

LOGGED BY: P. DUDZINSKI

DATE: 6 AUG 82

PROJECT NO:

Goldor Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		76°													
-2530				B J5	w	78° 20°													
-2535				B J2		74° 8°													
-2540				B		75°													
-2545				B		77°													

LOGGED BY: P. DUDZINSKI

DATE: 6 AUG 82

PROJECT No.

Golder Associates

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
-2605				B	C/W	68°														
-2610																				
-2615				B		68°														
-2620				B		75°														

LOGGED BY: E. Daignault
DATE: Aug 9 / 82.

Hole No. 1710

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
-2680				B	C	70°													
-2685				J ₂	W	40°													
-2690				J ₂	W	47°													
-2695				J ₂	W	32°													
				B	C	77°													

end of hole.

LOGGED BY: E. Daignault
 DATE: Aug 9/82.

Hole No. 1710

DEPTH	PERCENT CORE LOSS			ACT			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/>	BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION						ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
5							Casing 17' 8"														
10																					
15																					
20																					
				W		51°															
				W		28°															
				W		56°															

LOGGED BY: D. Johnson

DATE: 8 JUNE 82

PROJECT No. _____

922C

149,505.7N

26,919.5E

2002.8 m elevation

Golder Associates

Hole No. 1715

SHEET 1 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURE			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
				B		47°														
				I ₂		27°	180°	2 of these												
				I ₃																
30				B	W	53°														
				I ₂	F	54°	160°	3 of these												
				W																
35				B		53°														
				I ₂		34°	160°													
				I ₂		27°	230°													
40				B		53°														
				I ₂		27°	230°													
45				B		53°														
				I ₂		8°	160°	2 of these												

LOGGED BY: D. Johnson
DATE: 8 JUNE 82
PROJECT No. _____

Golder Associates

Hole No. 1715
SHEET 2 OF 76

DEPTH	PERCENT CORE LOSS			FRACT		DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING				INCLINATION	ANGLE TO BEDDING	4		3	2	75	50	25
				B		45°											
55				B	B	45°											
				I		34°	190°										
				I		70°	40°										
60				B		53°											
65				B		53°											
				I		80°											
70				B		53°											

LOGGED BY: D. Johnson
 DATE: 8 June 82
 PROJECT No. _____

Golder Associates

Hole No. 1715
 SHEET 3 OF 76

DEPTH	PERCENT CORE LOSS			FACT			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
				B	B	53°															
				B		42°	150°														
80				B		53°															
85				B		53°															
90				B		53°															
95				B		53°															

LOGGED BY: D. Johnson
 DATE: 8 June 82
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Golder Associates

Hole No. 1715
 SHEET 4 OF 76

DEPTH	PERCENT CORE LOSS			ACT			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / BOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BENDING	4	3	2	75	50	25	5	10
				B		45°													
				L2		8°													
105				B		48°													
110				B		53°													
115				B		53°													
120				B		53°													
				L1		45°	26°												
				L2															
				L3															

LOGGED BY: D. Johnson
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Golder Associates

Hole No. 1715
SHEET 5 OF 76

DEPTH	PERCENT CORE LOSS			FACT			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE / BROKEN CORE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15		
130				L1		52°	2 of these														
				L2		8°															
				L3																	
				L3		48°															
135				B		48°															
				L3																	
140				B		48°	2 of these														
				L2		8°															
145				B	B	48°															
				L2		8° 250°															

LOGGED BY: D. Johnson
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Golder Associates

Hole No. 1715
 SHEET 6 OF 76

DEPTH	PERCENT CORE LOSS			ACT				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B	B W	53°														
155				B		53°														
160				B		53°														
165				B L L L	W	50° 8° 57°	70°													
170				B		52°														

LOGGED BY: D. Johnson
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 PROJECT No. _____

Golder Associates

Hole No. 1715
 SHEET 7 OF 76

DEPTH	PERCENT CORE LOSS			ACT			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
180				B L2		53° 8°												
185				B L2		49° 74°	180°											
190				B L2 L3	B	48° 38°	50°											
195				B L2		49° 25°	180°											

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Golder Associates

Hole No. 1715
 SHEET 8 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
205				B	N	37°													
				B		50°													
				B		20°	30°												
210				B	W	53°													
				B		50°	20°												
215				B		53°													
220				B	W	53°													
				B		40°	50°												
				B		8°													

Sof these about 10cm apart

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Golder Associates

Hole No. 1715
 SHEET 9 OF 76

DEPTH	PERCENT CORE LOSS			RAC S				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B	W	S3°													
230				B	W	S3°													
235				B 4'	W	S3° 8°													
240				B 4'		S3° 2°													
245				B		S3°													

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Golder Associates

Hole No. 171S

SHEET 10 OF 70

DEPTH	PERCENT CORE LOSS			RAC S			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
				B	W	55°													
255				B	N	52° 8° 32°	20°												
260				B		53° 8°													
265				B		46° 28°	8°												
270				B		46°													

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Golder Associates

Hole No. 1715
 SHEET 11 OF 70

DEPTH	PERCENT CORE LOSS			TRACKS				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		53°													
280				B		53°													
285				B		53°													
				L ₁		20°	190°												
290				B	B	53°													
295				B	B	53°													

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Golder Associates

Hole No. 1715

SHEET 12 OF 76

DEPTH	PERCENT CORE LOSS			RAC S			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
305				B		53°													
				B		53°													
				B		53°													
				B		53°													
310				B		53°													
				B		53°													
				B		53°													
315				B		53°													
				B		53°													
320				B		53°													

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Golder Associates

Hole No. 1715
 SHEET 13 OF 76

DEPTH	PERCENT CORE LOSS			DIPS				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		48°														
330				B		48°														
335				B		48°														
340				B		48°														
345				B L2		48° 8° 90°														

LOGGED BY: _____
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Golder Associates

Hole No. 1715
 SHEET 14 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15				
				B		55°																	
355				B J2		58° 8°		2 of these															
360				B		48°																	
365				B L1 L2		48° 8°																	
370				B L1 L2		48° 8° 70°																	

LOGGED BY: D. Johnson
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Golder Associates

Hole No. 1715
SHEET 15 OF 76

DEPTH	PERCENT CORE LOSS			RAC			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3		2	75	50	25
380				L12		40°	70°										
385				L12		45°	20°										
390				B		53°											
395				B		53°											

LOGGED BY: D. JOHNSON
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Golder Associates

Hole No. 1715
 SHEET 16 OF 76

DEPTH	PERCENT CORE LOSS			TRAC				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		50°													
405				W		40°													
				L ₂ W		55°	230°												
410				B		40°													
				L ₂ W		15°													
415				W		45°													
				L ₂ W		15°	60°												
420				B		47°													
				L ₂ W		71°	20°	2 of these											

LOGGED BY: D. Johnson
DATE: 10 June 82
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Golder Associates

Hole No. 1715
SHEET 17 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15			
430				B		53°																
435				B L ₂		53° 26°																
440				B L ₂		53° 18°	300'	3 of these														
445				B		53°																

LOGGED BY: D. Johnson
 DATE: 10 June 82
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Golder Associates

Hole No. 1715
 SHEET 18 OF 76

DEPTH	PERCENT CORE LOSS			RAC			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3		2	75	50	25	5
				B		53°	2 of these											
455				B		52°												
460				B		53°												
465				B		53°												
470				B		53°												

LOGGED BY: D. Johnson
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Golder Associates

Hole No. 1715
 SHEET 19 OF 76

DEPTH	PERCENT CORE LOSS			RAC1 S			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		53°												
				U ₂		2°												
				U ₂		35°	90°											
480				B		53°												
				U ₂		14°												
485				B		53°												
				U ₂														
490				B		53°												
				U ₂		18°												
495				B		53°												

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Golder Associates

Hole No. 1715
 SHEET 20 OF 76

DEPTH	PERCENT CORE LOSS			RAC S				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		53°													
S05				B 1/2		54° 32°													
S10				B		54°													
S15				B 1/2		55° 16°													
S20				B		55°													

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Golder Associates

Hole No. 1715
 SHEET 21 OF 76

DEPTH	PERCENT CORE LOSS			TRAC			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BRCKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	FILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
530				W		45°													
				W		70°	30°												
535				W		53°													
				W		8°													
540				W		52°													
				W		8°	30°												
				W		38°	6°												
545				W		29°	34°												

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Golder Associates

Hole No. 1715
 SHEET 22 OF 76

DEPTH	PERCENT CORE LOSS			RAC			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				L ₂		53°												
				L ₂		8°												
555				B		53°												
						..												
560				B		53°												
565				L ₂		8°												
570				L ₂		8°												

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Golder Associates

Hole No. 1715
 SHEET 23 OF 76

DEPTH	PERCENT CORE LOSS			TRENDS			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		53°													
580				B W		53° 20°	15°												
585				B W		53° 20°	25°												
590				B W		53° 21°	15°	2 of these											
595				B		53°													

LOGGED BY: D. Johnson

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Golder Associates

Hole No. 1715

SHEET 24 OF 76

DEPTH	PERCENT CORE LOSS			RAC S				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				W		45°													
605				W		45°													
610				W		55°													
615				W W W		55° 25° 2°	150°												
620				W W		55° 25°													

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Golder Associates

Hole No. 1715
SHEET 25 OF 76

DEPTH	PERCENT CORE LOSS			FRAC				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
630				B		53°													
635				B		53°													
640				B		53°													
645				B		53°													

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Golder Associates

Hole No. 1715
 SHEET 26 OF 76

DEPTH	PERCENT CORE LOSS			RACS			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
655				W		57°													
660				B															
665																			
670				W		55°													

LOGGED BY: D. Johnson
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Golder Associates

Hole No. 1715
SHEET 97 OF 76

DEPTH	PERCENT CORE LOSS			RAC S			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		53°												
680				B		53°												
				B		34°												
685				B		53°												
690				B		53°												
695				B		53°												

LOGGED BY: D. Johnson
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Golder Associates

Hole No. 1715
 SHEET 28 OF 70

DEPTH	PERCENT CORE LOSS			RAC'S			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		57°												
705				B		57°												
810				B		57°												
815				B		57°												
				B		14°	115°	2 of these										
1720				B		57°												
				B		29°	158°											

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 DATE: 11 June 82
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Golder Associates

Hole No. 1715
 SHEET 29 OF 76

DEPTH	PERCENT CORE LOSS			RAC			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
730				L1B		55°	0°													
735				L1B		55°	0°													
740				B		57°														
745				L1B		57°	0°													

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Golder Associates

Hole No. 1715
SHEET 30 OF 70

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		57°													
755				B I ₂	B	57° 31°	170°	2 of these											
760				B I ₂ W		57° 8°	90°	Continuous thru core											
765				B		57°													
770				B		57°													

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Golder Associates

Hole No. 1715
 SHEET 31 OF 76

DEPTH	PERCENT CORE LOSS			"RAC" S			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE / BROKEN CORE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15			
				B		57°																
780				B		54°	2 of these															
				B		32°		135°														
				B		8°		105°														
				B		25°		90°														
785				B		53°																
790				B		57°																
795				B		57°																

LOGGED BY: D. Johnson
 DATE: 11 June 82
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Golder Associates

Hole No. 1715
 SHEET 32 OF 76

DEPTH	PERCENT CORE LOSS			RAC			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		57°												
805				B		57°												
810				B I ₂		57° 80°	2 sets ~ 4cm apart											
815				B I ₂		57° 80°	2 sets											
820				B I ₂		57° 80°												

LOGGED BY: D. Johnson

DATE: 11 June 82

PROJECT No. _____

Golder Associates

Hole No. 1715

SHEET 33 OF 76

DEPTH	PERCENT CORE LOSS			RAC S			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE			BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3		2	75	50	25	5	10	15		
830				B		57°																
				B		8°	90°															
				B		42°	230°															
				B		57°																
				B		8°																
				B		24°	175°															
835				B		57°																
				B		34°	340°															
840				B		53°																
845				B		47°																

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Golder Associates

Hole No. 1715
 SHEET 34 OF 76

DEPTH	PERCENT CORE LOSS			RAC			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE			BROKEN CORE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15					
855				N		47°																		
860				N		43°																		
865				N		43°																		
870				N		43°																		

LOGGED BY: D. Johnson
 DATE: 11 June 82
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Golder Associates

Hole No. 1715
 SHEET 35 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				W		47°	180°												
880				W	W	47°													
890																			
895				W	W	48°													

LOGGED BY: D. Johnson
 DATE: 15 June 82
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Golder Associates

Hole No. 1715
 SHEET 36 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY			PERMEABILITY
	25	50	75	TYPE	INFILLING	INCLINATION			4	3	2	75	50	25	5	10	15	
-930				B		55°												
-935				B		55°												
				B		50°	180°											
-940				B		55°												
-945				B		55°												

LOGGED BY: D. Johnson
DATE: 15 June 82
PROJECT No. _____

Golden Associates

Hole No. 1715

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	BRECCIA/GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY			PERMEABILITY
	25	50	75	TYPE	INFILLING	INCLINATION				4	3	2	75	50	25	5	10	15	
955				W		55°													
960				W		56°													
965				W		55°													
970				W		55°													

LOGGED BY: D. Johnson

DATE: 15 June 97

PROJECT NO.

Golden Associates

Hole No. 1715

SHEET 25 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	BRECCIA/SOLGE <input type="checkbox"/>	BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY			PERMEABILITY
	25	50	75	TYPE	INFILLING	INCLINATION					4	3	2	75	50	25	5	10	15	
				B		55°														
-980				B		55°														
-985				B		57°														
-990				B		54°														
-995				B		55°														

LOGGED BY: D. Johnson
DATE: 15 June 82
PROJECT NO. _____

Goldar Associates

Hole No. 1715

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	BRECCIA/GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY			PERMEABILITY
	25	50	75	TYPE	INFILLING	INCLINATION				4	3	2	75	50	25	5	10	15	
				W		0°													
-1005				W		50°													
-1010				W		50°													
-1015				W		50°													
-1020				W		50°													

LOGGED BY: D. Johnson
DATE: 15 June 80

Hole No. 1715

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION												ANGLE TO BEDDING
	25	50	75						4	3	2	75	50	25	5	10	15	
				B		50°												
-1030				B		50°												
-1035				B		55°												
-1040				B		54°												
-1045				B		55°												

LOGGED BY: D. Johnson

DATE: 15 June 82



GEOTECHNICAL LOG

HOLE No. 1715

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
1055				R		55°														
				R		90°	50°													
1060				R		55°														
1065				R		55°														
1070				R		55°														

LOGGED BY: D. Johnson
 DATE: 18 June 82
 PROJECT No. _____

Golder Associates

Hole No. 1715
 SHEET 43 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				S1W		S60													
1080				B		S70													
1085				B		S70													
1090				B		S60													
1095				S1W		S50	80°												

LOGGED BY: D. Johnson
DATE: 15 June 82
PROJECT No. _____

Golder Associates

Hole No. 1715
SHEET 44 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1105				B F2	W	53°	80°	7 to 10 of these												
1110				B F2	N	55°	80°	6 of these												
1115				B F2	W	54°	42°													
1120				B F2	W	53°	40°	4 of these												

LOGGED BY: D. Johnson

DATE: 15 June 82

PROJECT No.

Golder Associates

Hole No. 1715
SHEET 45 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				W	W	SSO														
1130				W	W	SSO														
				W	W	40°	30°													
1135				W	W	SSO														
				W	W	40°	180°	3 of these												
				W	W	40°	280°													
1140				W	W	SSO														
				W	W	40°		sealed, 5 of these												
				W	W	40°														
1145				W	W	SSO														

LOGGED BY: D. Johnson
DATE: 15 June 89
PROJECT No. _____

Golder Associates

Hole No. 1705
SHEET 46 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				N	N	55°															
1155				N		55°															
1160				N	N	55°															
1165				N		55°															
				N		55°	150°														
1170				N		55°	310°														
				N		55°	180°	2 y + use													

LOGGED BY: D. Johnson
DATE: 15 June 82
PROJECT No. _____

Golder Associates

Hole No. 1715
SHEET 47 OF 76

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
1180				B		SS ^o		Sealed, 3 ft less	[Dotted pattern]	[Empty grid]									
			B	W	SS ^o														
			1/2	W	41 ^o	150 ^o													
1185			B	W	SS ^o														
			1/2		8 ^o														
1190				B	W	SS ^o													
1195				B	W	SS ^o													

LOGGED BY: D. Johnson
 DATE: 15 JUNE 82
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Golder Associates

Hole No. 1715
 SHEET 48 OF 76

DEPTH	PERCENT CORE LOSS			ACTUAL		DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING					INCLINATION	ANGLE TO BEDDING	4	3	2	75	50	25	5
				B	W	52°												
1205				B	W	53°												
1210				B	W	53°												
1215				B T ₂	W	53° 45°	180°											
1220				B	W	53°												

V.Fr. gr

LOGGED BY: D. Johnson
DATE: 15 June 82
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Golder Associates

Hole No. 1715
SHEET 49 OF 76

DEPTH	PERCENT CORE LOSS			ACTU			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY			NATURAL FRACTURE		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	FREQUENCY PER FOOT	5
1230				B	W	53°	24°												
1235				B		53°													
1240				B		53°	40° 19°												
1245				B		53°													

LOGGED BY: D. Johnson
DATE: 15 June 82
PROJECT No. _____

Golder Associates

Hole No. 1715
SHEET 50 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURE			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LC	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3			2	75	50
				B		57°											
				B		20°											
1255				B		57°											
1260				B	W	57°											
1265				B		57°											
1270				B	W	57°											

LOGGED BY: D. Johnson
DATE: 12 June 82
PROJECT No. _____

Golder Associates

Hole No. 1705
SHEET 51 OF 76

DEPTH	PERCENT CORE LOSS 25 50 75	CTU			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE	BROKEN CORE	HARDNESS 4 3 2	ROCK QUALITY DESIGNATION 75 50 25	NATURAL FRACTURE FREQUENCY PER FOOT 5 10 15	V. Fract
		TYPE	INFILLING	INCLINATION									
1280		B		33°									
1285		B		30°									
1290		B		34°									
1295		B		33°									
		B		8°									

LOGGED BY:
DATE:
PROJECT No.

Golder Associates

Hole No. 1215
SHEET 52 OF 76

DEPTH	PERCENT CORE LOSS			CTU				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B		53°															
1305				B		53°															
1310				B		53°															
1315				B L2		53° 8°															
1320				B L2	W	53° 53°	180°														

LOGGED BY: D. Johnson

DATE: 15 June 82

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Golder Associates

Hole No. 1715

SHEET 53 OF 76

DEPTH	PERCENT CORE LOSS			ACTL			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
1330				B S ₂	W	S ₃₀ 80°	130°	Sealed, 3 of these												V.F. gr
1335				B S ₂		S ₃₀ 40°	130°	2 of these												
1340				B S ₂	W	S ₃₀ 40°	130°	3 of these												
1345				B		S ₃₀		Basal ss @ 1344'												cs gr

LOGGED BY: D. Johnson
 DATE: 15 June 82
 PROJECT No. _____

Golder Associates

Hole No. 175
 SHEET 54 OF 76

DEPTH	PERCENT CORE LOSS			CTU				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE / BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
1355				B	W	50°	270°	2 + Lese													
				B	W	80°	155°	2 + Lese													
1360				B	W	50°	90°	4 + Lese													
				B	W	50°															
1365				B	W	50°															
				B	W	50°															
1370				B	W	50°															

LOGGED BY: D. Johnson
DATE: 16 June 82
PROJECT No. _____

Golder Associates

Hole No. 1715
SHEET 55 OF 76

DEPTH	PERCENT CORE LOSS			ACTU			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3		2	75	50	25
1380				B L ₂		50° 80°											
1385				B L ₁ L ₂		50° 80° 10° 175°											
1390				B L ₁ L ₂		60° 80° 10° 180°											
1395				B L ₁ L ₂		60° 80° 85°	2 ↑ these										
1395				B L ₁ L ₂		60° 80° 75°											

LOGGED BY: D. Johnson
DATE: 16 June 82
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Golder Associates

Hole No. 1715
SHEET 56 OF 76

DEPTH	PERCENT CORE LOSS			TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING	DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LC	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75								4	3	2		75	50	25
				W		25°	185°										
1405				W		49°											
1410				W		50°	70°										
				W		80°		2 of these									
				W		80°											
1415				W		50°											
				W		80°											
				W		24°		2 of these									
1420				W		47°											
				W		80°											

LOGGED BY: _____

DATE: _____

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Golder Associates

Hole No. 1715

SHEET 57 OF 76

DEPTH	PERCENT CORE LOSS 25 50 75			ICTU			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GONGE			BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3		2	75	50	25	5	10	15				
				B		45°																		
1430				B	W	52°																		
1435				B		53°																		
1440				B	W	53°																		
1445				B		53°																		

LOGGED BY: D. Johnson
 DATE: 16 June 82
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Golder Associates

Hole No. 1715
 SHEET 58 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				LB		57°		Leaked													
1455				B		65°															
1460				B		40°															
1465																					
1470				B		55°															

LOGGED BY: D. Johnson

DATE: 17 June

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Golder Associates

Hole No. 1715

SHEET 59 OF 76

DEPTH	PERCENT CORE LOSS			FACTORS				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		55°													
1480				B		66°													
1485				B		69°													
1490				B		70°													
1495				B		70°													

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LOGGED BY: D. Johnson
DATE: 17 June 82
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Golder Associates

Hole No. 1715
SHEET 60 OF 76

DEPTH	PERCENT CORE LOSS			FACT 3				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		70°																
1505				B		70°																
1516				B		70°																
1515				B		70°																
1520				B		70°																

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LOGGED BY: D. Johnson
 DATE: 17 June 82
 PROJECT No. _____

Golder Associates

Hole No. 1715
 SHEET 61 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		70°													
530				B		70°													
1535				B		70°													
1540				B		72°													
1545				B 15		72° 8°	8°												

LOGGED BY: D. Johnson
 DATE: 17 June 82
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Golder Associates

Hole No. 1715
 SHEET 62 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE %	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
1605				W	W	70°															
1610				W		69°															
1615				W		68°															
1620				W		76°															

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LOGGED BY: D. Johnson
 DATE: 18 June 82
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Golder Associates

Hole No. 1715
 SHEET 65 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				W		60°														
1630				W		60°	240°	2 of these												
1635				W		60°		healed												
1640				W		60°														
1645				W		70°														

LOGGED BY: D. Johnson

DATE: 21 June 82

PROJECT No. _____

Golder Associates

Hole No. 1715

SHEET 66 OF 76

DEPTH	PERCENT CORE LOSS			FACT			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
1680				W	W	65° 22° 80°	80° 80°													
1685				W	W	69° 80°														
1690				W	W	70° 80°														
1695				B		70°														

LOGGED BY: D. Johnson

DATE: 21 JUNE 82

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Golder Associates

Hole No. 1715

SHEET 68 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
1705				B		70°													
1710				B		68°													
1715				B		70°		2 + base											
1720				B		69°													

LOGGED BY: D. Johnson
DATE: 21 June 82
PROJECT No. _____

Golder Associates

Hole No. 1715
SHEET 69 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1730				W S		70° 12°														
1735				B W		69° 50°	80°													
1740				B W		70° 12°	90°													
1745				W S		70° 12°														

LOGGED BY: D. Johnson
DATE: 21 June 82
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Golder Associates

Hole No. 1715
SHEET 70 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				W		70°		3 of these healed	[Dotted pattern]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]		
755				W		180°	50°														
				W		70°															
1760				W		70°															
				W		120°															
1765				W		70°															
1770				W		70°															

LOGGED BY: D. Johnson
DATE: 21 June 82
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Golder Associates

Hole No. 1715
SHEET 71 OF 76

DEPTH	PERCENT CORE LOSS			FACTORS				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GORGE BROKEN CORE (HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B	W	72°														
1805				B		78°														
1810				B		78°														
				B	W	80°														
				B	W	120°		healed												
1815				B		75°														
1820				B		75°														

LOGGED BY: D. Johnson
 DATE: 21 June
 PROJECT No. _____

Golder Associates

Hole No. 1715
 SHEET 73 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		75°														
1830				B		75°														
1835				B		75°														
1840				B		76°														
1845				B		76°														
				J2	W	19°														

LOGGED BY: D. Johnson
 DATE: 21 June 82
 PROJECT No. _____

Golder Associates

Hole No. 1715
 SHEET 74 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		75°														
1855				B		76°														
1860				B L2		75° 1°														
1865				B L5		75° W 180°														
1870				B L5		75° W 20°														
								healed												
								healed												

LOGGED BY: D. Johnson
DATE: 21 June 82
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Golder Associates

Hole No. 1715
SHEET 75 OF 76

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
0								0/13 0 to 13'												
10				W		46°	38°													
12				W		46°	38°													
20				W	W	34°	38°	5 of these, healed												
				W	W	35°		2 of these												
				W	W	35°		2 of these												
				W		100°	38°	1 of these												

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Q22C

149, 206.0N
26, 671.6E

20 27.3 m elevation

Golder Associates

Hole No. 1720
SHEET 1 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/>	BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING						4	3	2	75	50	25	5	10	15		
30				W		60°		3 f+Lese 2 f+these, healed 5-10 of these, healed ~5 cm apart	.														
				W		120°																	
				W		10°																	
				W		64°																	
				W		10°																	
				W		85°																	
35				W		63°	5 f+Lese, healed	.															
				W		32°																	
				W		17°																	
				W		10°																	
				W		38°																	
				W		60°																	
40				W		50°	5 f+Lese 3 f+Lese	.															
				W		140°																	
				W		35°																	
				W		17°																	
				W		24°																	
				W		100°																	

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DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE			BROKEN CORE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15						
55				F		10°		3 of these Possible fault or shear zone at 56'	[Graphic Log]	[Breccia/Gouge]	[Broken Core]	[Hardness]	[Rock Quality]	[Natural Fracture]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]		
						33°																			
				F		35°																			
				B		52°																			
60				F	W	55°																			
				F	W	10°																			
65				M		53°	150°	2 of these 5-10 of these	[Graphic Log]	[Breccia/Gouge]	[Broken Core]	[Hardness]	[Rock Quality]	[Natural Fracture]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	
				M		47°																			
				M		27°																			
				F	W	10°																			
70				F	W	54°		3 of these	[Graphic Log]	[Breccia/Gouge]	[Broken Core]	[Hardness]	[Rock Quality]	[Natural Fracture]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	[Frequency]	
				F	W	10°																			

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Golder Associates

Hole No. 1720
SHEET 3 OF 60

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				W	W	54°	22°	3 of these												
				W	W	35°														
80				W	W	55°	190°													
				W	W	55°		Possible shear zone @ 87'												
				W	W	46°	50°													
85				W	W	50°		2 of these												
				W	W	50°		Leaked												
				W	W	55°														
90				W	W	50°														
				W	W	54°		2-3 of these												
				W	W	50°														
95				W	W	43°														

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Golder Associates

Hole No. 1720
 SHEET 4 OF 66

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT																																								
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15																																						
105				F ₁ W	W	40°	18°		[Graphic Log: Dotted pattern with a solid black rectangle at 110-115 ft depth]	<input type="checkbox"/>																																																
						10°														20°																																						
				47°	40°																																																					
				40°																																																						
110				F ₁ W	W	47°														[Graphic Log: Dotted pattern with a solid black rectangle at 110-115 ft depth]	<input type="checkbox"/>																																					
						32°																																																				
115				F ₁ W	W	50°																										3-6 f + lease	[Graphic Log: Dotted pattern with a solid black rectangle at 110-115 ft depth]	<input type="checkbox"/>																								
						23°																																							10°													
120				F ₁ W	W	61°																																							2-3 f + lease 3-5 f + lease	[Graphic Log: Dotted pattern with a solid black rectangle at 110-115 ft depth]	<input type="checkbox"/>											
						23°																																																				35°

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Golder Associates

Hole No. 1720
SHEET S OF 66

DEPTH	PERCENT CORE LOSS			TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING	DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GONG / BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75									4	3	2	75	50	25	5	10	15		
130				L1-B	W	65°		3 g + Lese	[Dotted Pattern]													
				L2-B	W	28°	10°															
				L2-B	W	10°	170°															
135				G1-B	W	67°		healed	[Dotted Pattern]													
				G2-B	W	21°																
140				G1-B	W	71°		healed	[Dotted Pattern]													
				G2-B	W	10°	27°															
				G2-B	W	23°	19°															
145				G1-B	W	70°			[Dotted Pattern]													
				G2-B	W	10°																

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Golder Associates

Hole No. 1720
 SHEET 6 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15			
				B		67°																
155				B		63°																
160				B		60°																
165				B		59°																
170				B B B		60° 35° 47°	50°	27 + loss														

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Golder Associates

Hole No. 1720
 SHEET 7 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		65°													
180'				B W		69° 17°	95°	2 ↑ + Lese											
185'				B W		71° 31°	180°	4 ↑ + Lese											
190'				B W		71° 55°	180°												
195'				B W		70° 16°	35°												

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DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
230				S ₂		67° 41°	21°													
235				S ₂		53° 60°	18°													
240				S ₂		55° 39°	20°													
245				B		56°														

LOGGED BY: D. Johnson
 DATE: 17 Aug 92
 PROJECT No. _____

Golder Associates

Hole No. 1720
 SHEET 10 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
255				L ₂ B		56° 46°	18°												
260				L ₂ B		56° 34°													
265				B		55°													
270				L ₂ B		53° 46°													

LOGGED BY: D. Johnson
 DATE: 17 Aug 82
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Golder Associates

Hole No. 1720
 SHEET 11 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
280				W W		58° 32° 26°	19° 16°	2 1/2 + Les-											
285				W W		61° 32°	18°												
295				W		63°													
290																			
295				W W W		64° 42° 46°	14° 16°												

LOGGED BY: D. Johnson
 DATE: 17 Aug 82
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Golder Associates

Hole No. 1720
 SHEET 12 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
305				W		64°													
				W	W	65°	18°												
				W		60°													
310				W		60°	18°												
				W		62°													
				W		60°													
315				W		50°													
				W		47°													
320				W		45°	18°												

LOGGED BY: D. Johnson
 DATE: 17 Aug 82
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Goider Associates

Hole No. 1720
 SHEET 13 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / COUGE <input type="checkbox"/> BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT													
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15											
355				W		55°		Leaked	[Dotted pattern]																						
				W		10°																									
				W		20°																									
				W		20°																									
				W		35°	180°																								
360				W		33°														3 of these	[Dotted pattern]										
				W		12°																									
				W		35°	180°																								
				W		37°	140°																								
				W		50°	240°																								
365				W		47°														3-6 of these	[Dotted pattern]										
				W		35°																									
				W		47°	180°																								
370				W		45°																									
				W		35°	180°																								

LOGGED BY: D. J. [unclear]
DATE: 17 Aug 82
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DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE <input checked="" type="checkbox"/>	HARONESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
380				B	W	47°		2 of these												
				B	W	39°	86°													
385				B	W	44°		2 of these												
				B	W	24°	270°													
390				B		45°		2 of these												
395				B	W	45°	90°													

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Golder Associates

Hole No. 1720
SHEET 16 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		45°		Shear zone ~ 400'											
405				B		48°		broken core, silts.											
410				B		43°													
				B		47°	200	2 f-lense											
				B		35°	180												
				B		47°	200	3 f-lense											
415				B		42°													
				B		32°	500												
420				B		42°													
				B		28°	90°												

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Golder Associates

Hole No. 1720
SHEET 17 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
430				R		43°															
435				R		33°															carb
440																					
445				R		45°															carb

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Golder Associates

Hole No. 1720
 SHEET 8 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GONGE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				W		41°																
530				W		40°																
535				W		44°																
				W		35°	10°	5-10 ft Lese														
				W		30°	10°															
540				W		41°																
				W		10°																
545				W		45°																
				W		40°	80°															

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Golder Associates

Hole No. 1720
SHEET 22 OF 106

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
				B		40°											
S55				B		33°											
S60				B		30°											
S65				B		35°											
S70				B		35°											
				W		65°	180°	3 of these									
				W		65°	120°	3-5 of these									

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Golder Associates

Hole No. 1720
 SHEET 23 OF 26

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				R		45°														
580				L1 L2	W	47° 72°	77°													
585				L1 L2	W	55° 48°	158°													
				L1	W	48°	150°	8-10 of these healed												
590				L1 L2	W	56° 48°	190°													
				L1	W	46°	190°	5-7 of these, healed												
595				L1 L2	W	55° 20°	190°													
				L1	W	46°	190°	3-5 of these												

LOGGED BY: D. Johnson
DATE: 23 Nov 82
PROJECT No. _____

Golder Associates

Hole No. 1720
SHEET 24 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				LW	W	47°													
605				B		46°													
				B		23°													
610				B		42°													
				B		40°													
615				B		40°													
				B		46°													
620				B	W	49°	180°												
				B	W	47°	90°	Leaked 3 1/2 + Loss											

LOGGED BY: D. Johnson
 DATE: 23 Aug 82
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Golder Associates

Hole No. 1720
 SHEET 25 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B		40°		2 of these	[Dotted pattern]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]		
655				B	W	22°	80°														
				B		44°															
				B		25°															
660				B		47°															
665				B		49°															
670				B		49°															

LOGGED BY: D. Johnson
 DATE: 23 Aug 82
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Golder Associates

Hole No. 1720
 SHEET 27 OF 66

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15	
705				L ₁ B	W	48 35°		4-C ↓ + Lesse, healed												
				B		47°														
				B	W	46°														
				B	W	35°		3-S ↓ + Lesse, healed												
710				B		48														
715				B	W	47 35°	160°													
720				B		48														

LOGGED BY: D. Johnson
 DATE: 24 Aug 82
 PROJECT No. _____

Golder Associates

Hole No. 1720
 SHEET 29 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				A ₂		50°	4°														shaly
755				B	B	57°															
760				B		58°															
765				B		47°															shaly
770				B	B	45°															Carby

LOGGED BY: D Johnson

Hole No. 172e

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
780				B		50°															
785				MB		40° 4°															
790				B		45° 12°															
795				B	W	45° 12° 32°	210°	2 1/2 lines													

LOGGED BY: D. Johnson
DATE: 24 Aug 82
PROJECT No. _____

Golder Associates

Hole No. 1720
SHEET 32 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		43°		2 f + Lese	[Dotted pattern]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	
805				B		35°	180°													
				B		42°														
810				B		42°														
				B		15°		[Dotted pattern]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	
				B		43°														
815				B		43°														
				B		43°														
820				B		44°	94°	[Dotted pattern]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	[Empty grid]	
				B		44°														
				B		44°														
				B		44°														

LOGGED BY: D. Johnson
DATE: 24 AUG 82
PROJECT No. _____

Golder Associates

Hole No. 1720
SHEET 33 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
830				B		40°												
				B		39°	230°											
				B		37°												
835				B		45°												
840				B		45°												
845				B		45°												

LOGGED BY: D. Johnson
 DATE: 24 Aug 82
 PROJECT No. _____

Golder Associates

Hole No. 1720
 SHEET 34 OF 41

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
855				B	W	97° 41°	35°														
860				B		27															
865				B		27															
870				B		25°															

LOGGED BY: D. Johnson
 DATE: 24 Aug 82
 PROJECT No. _____

Golder Associates

Hole No. 1720
 SHEET 35 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
880				B		25°													
885				B		19°													
890				B		15°													
895				B		16°													

LOGGED BY: D. Johnson
 DATE: 24 Aug 89
 PROJECT No. _____

Golder Associates

Hole No. 1790
 SHEET 36 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
905				F1		40°														
910				F1W		33° 70°														
915				F1	N	10°		healed												
920																				

LOGGED BY: J. JOHNSON
 DATE: 24 AUG 82
 PROJECT No. _____

Golder Associates

Hole No. 1790
 SHEET 37 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
930				5		3°															
935																					
940				2		34°															Sandy
945																					

LOGGED BY: D. Johnson
 DATE: 24 Aug 82
 PROJECT No. _____

Golder Associates

Hole No. 1720
 SHEET 38 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		35°													
955				B		40°													
960																			
965				L2 B	B	20°												Carby	
970				B B	B	30°												Carby	

LOGGED BY: D. Johnson

DATE: 24 Aug 89

PROJECT No. _____

Golder Associates

Hole No. 1720

SHEET 39 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
980				L ₂	B	4°															
				L ₂	B	30°															
				L ₂	B	10°															
985				B	B	30°															
990				B		35°															
995				L ₂	B	15°															
				L ₂	B	37°															

LOGGED BY: D. Johnson
DATE: 24 Aug 82
PROJECT No. _____

Golder Associates

Hole No. 1720
SHEET 40 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
1055				C		2°													
1060				B		47°													
1065				B 42°	P	55° 33°	246°	2 of these											
1070				B		56°													

LOGGED BY: D. Johnson
 DATE: 24 Aug 82
 PROJECT No. _____

Golder Associates

Hole No. 1720
 SHEET 43 OF 66

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1080				R		55°		3.5 f/lense	[Dotted pattern]											
			R		19°	270°														
			R		45°															
			R	W	62°	60°														
1085				R		45°		3 f/lense	[Dotted pattern]											
			R	W	62°															
1090				R		45°		5 f/lense	[Dotted pattern]											
			R		45°															
1095				R		45°		5 f/lense	[Dotted pattern]											
			R		29°	70°														

LOGGED BY: D. Johnson
DATE: 24 Aug 82
PROJECT No. _____

Golder Associates

Hole No. 1728
SHEET 44 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		48°														
1105				B		53°														
1110				B		50°														
1115				B		47°														
1120				B		47°														

LOGGED BY: D. Johnson

DATE: 24 Aug 82

Hole No. 1720

45 266

Golden Associates

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECKLE SOLID BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
				L1W		45°	90°	3 ↓ + lease										
1130				L1W		45°	90°	2 ↓ + lease										
				L1W		15°	60°											
1135				L1W	W	47°	180°											
				L1W		45°	230°											
1140				L1W		10°	10°											
				L1W		44°	90°											
1145				L1W		44°	90°											

LOGGED BY: D. Johnson
DATE: 24 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720

CURT 46 OF 61

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10
1155				R	B	45°											
1160				B		45°											
1165				W S1 S2		45° 40° 20°	180° 30°	3 1/2 + Lese									
1170				S1 S2		45° 25°		2 1/2 + Lese									

LOGGED BY: J. Johnson
DATE: 24 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720
SHEET 47 OF 11

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIAL GAUGE OR BROKEN CORE (%)	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	30	25	15	10
1180				B		45°											
1185				B		45°											
1190				B 2		45° 15°	230°										
1195				B 2	W	45° 03°	130°										

LOGGED BY: D. Johnson
DATE: 24 Aug 82



GEOTECHNICAL LOG

HOLE No. 172e
SHEET 48 OF 11

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPEC. GUAGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	5
				B		45°												
1205				B		47°												
1210				B		46°												
1215				B		45°												
1220				B 5-12		48° 33°		3 of these										

LOGGED BY: D Johnson
DATE: 24 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 19 OF 66

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG PRECIPITATION BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 5		
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2					
1230				B	✓	35°											
1235				FW	W	35° 14°	0° slks										
1240				FW	W	35° 15°	2 1/2 + less										
1250				B		35°											

LOGGED BY: D. Johnson

DATE: 24 Aug 82

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GEOTECHNICAL LOG

HOLE No. 172c

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPEED/GAUGE BROKEN CORE%	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10
1255																	
1260				B		SS'											
1265																	
1270																	

LOGGED BY: D Johnson
DATE: 25 Aug 82



GEOTECHNICAL LOG

HOLE No. 172e
SHEET 5 OF 66

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG DRECCA/GOUGE BROKEN COREZZ	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	35	10	15
1280				W	W	8°												
1285				W	W	10°												
1290																		
1295																		

LOGGED BY: D Johnson
DATE: 25 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720
SHEET 52 OF 66

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECKLE GAUGE BROKEN CORE (%)	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	5
1305				N	E	15												
1310																		
1315																		
1320																		

LOGGED BY: D. Johnson
DATE: 25 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 53 of 66

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GRAVEL BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	75	50	15
1330				v		v												
1335				v		f												
1340				v		50°												
1345				v		50°												

LOGGED BY: D. Johnson
DATE: 25 Aug 82



GEOTECHNICAL LOG

HOLE No. 1320

SHEET 5 OF 6

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BREGGA/GOUGE IN BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 25 10 15		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	15
				B		55°												
1355				B		55°												
1360				B		55°												
1365				B		55°												
1370				B		55°												

LOGGED BY: D. Johnson
DATE: 25 AUG 82



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 55 OF 66

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG GRAIN/COLOR BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION - %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
				B		4°												
1380				B		8°												
1385				B		58°												
1390				B		57°												
1395				B		57°												

LOGGED BY: D. Johnson
DATE: 25 AUG 82



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 56 OF 66

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BREGDA GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	75	10	15
				W	W	10°		Leaked										
1405				B		45°												
1410				B		40°												
1415				B		35°												
1420				W		10°												

LOGGED BY: D. Johnson
DATE: 25 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720

Sheet 57 of 11

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION												ANGLE TO BEDDING
1430				2		55° 54°	250° 27 + Lesa											
1435				3		50°												
1440				3		47°												
1445				3		43°												

LOGGED BY: D. J. ...
 DATE: 25 AUG 82



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 58 OF 61

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BREGGA/GAUGE IN BROKEN CORE(S)	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10
1455																	
1460				B		SS											
1465				G		SS											
1470				B		SS											

LOGGED BY: D. Johnson
DATE: 25 AUG 82



GEOTECHNICAL LOG

HOLE No. 172e
SHEET 59 OF 66

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
1480				B		5°												
1485																		
1490				IL		4°												
1495																		

LOGGED BY: D. Johnson
DATE: 25 Aug 89



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 20 OF 66

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	BRECCIA/GOUGE OR BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	15	10
				W		35°												
1505				W		37°												
1510				W		47°												
1515				LW	W	55° 22°	160°	3 1/4 Lese										
1520				W		55°												

LOGGED BY: D. Johnson
DATE: 25 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720

DEPTH (ft) or (m)

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION						ANGLE TO BEDDING	4	3	2	75	50	25
				B		340°												
1530				B		48°												
1535				B		45°												
1540				B		49°												
1545				B		50°												

NQ
Core

LOGGED BY: D. Johnson
DATE: 28 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720

Sheet 62 of 66

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECKLE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	75	10	15
				W		SS												
1555				W		SS												
1560				W		SS 20°	190°											
1565				W		SS												
1570				W		SS 16°	150°											

LOGGED BY: D. Johnson
DATE: 25 Aug 80



GEOTECHNICAL LOG

HOLE No. 1720
SHEET 63 OF 66

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION											
	25	50	75					4	3	2	75	50	25	15	10	5	
				W		Ss ⁴											
1580				W		Ss ⁶											
1585				W		S3											
1590				W		S3											
1595				W		S3											

LOGGED BY: D Johnson

DATE: 25 Nov 82



GEOTECHNICAL LOG

HOLE No. 1720

C.A. 66

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	BRICK/GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	15	10
1605				R		W												
1610				B		S												
1615				B		S												
1620				B		S												
				B	W	S	270°											

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LOGGED BY: D. Johnson
 DATE: 25 Aug 82



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 65 OF 66

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BREGGA/GOUGE BROKEN CORE (%)	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10
1630				B		S3											
1635				B		S3											
1640				B		S3											
1645							TD: 1647'										

LOGGED BY: D. Johnson
DATE: 25 AUG 82



GEOTECHNICAL LOG

HOLE No. 1720

SHEET 66 OF 66

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GAUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
30				G	H	10°														
35				H	W	5°														
40																				
45				B		60°														

LOGGED BY: J. Johnson

DATE: 25 Nov 82

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
52				B		60															
60				B		30															
65				B		61															
70				B		60															
				B		58															
				B		60															
				B		90		continuous to 96'													

LOGGED BY: D. Johnson

1782

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN COFE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
80				L1 L2		61 2	continuous vertical joint to 96'														
85				L1 L2		61 2															
90				L1 L2		61 2															
95				L1 L2		63 2															

LOGGED BY: _____
DATE: _____

41
Hole No 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		68													
130				B		71	270	irregular plane											
135				B		74													
140				B		75													
145				B		76													

LOGGED BY: D. Johnson

DATE: 26 Nov 87

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
155																					
160																					
165				B		S3															
170				B		S3															

LOGGED BY: D. Johnson

171

1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B	W	SW 90°																
180				B		SW 20°																
185				B		SW																
190																						
195				B		SW																

LOGGED BY: D. Jones

1780

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		65													
205				B		71													
210				L-3 L-1	W	75 90		Lealed											
215				B		74		X-bgg, variable											
220																			

LOGGED BY: D. Johnson
DATE: 26 NOV 1952

94 1787

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GUAGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
230																			
235																			
240																			
245				12		62°	20 300°												

LOGGED BY: D Johnson

DATE: 20 May 82

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / G. JUGE <input type="checkbox"/> BROKEN CL. RE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
255				B		62														
260				B		63														
265				B		63	20° 340°													
270				B		64														

LOGGED BY: D. Johnson
DATE: 9/2/1968

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
280				B		64 24	340														
288				B		65															
290				B		66 20°															
295				B		65 18°															

LOGGED BY: D. Johnson

DATE: 29 Nov 50

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				M		60°																
305				M		62°																
310				M		62°																
315				B		60°																
320				M	N	58°		polished surfaces mat slks. shear zone? core very broken														

LOGGED BY: D. Johnson
DATE: 29 Nov 82

Ref

170

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
355				B	W	59	80°												
360				B		62													
365				B		65													
370				B	W	61	80°	2											
				B	W	50	80°												
				B	W	45	80°												
				B	W	60	45°	4-7 about 5cm apart.											

LOGGED BY: D. Johnson
DATE: 29 Nov 82

157 1780

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
380				B W	W	60	30										
385																	
390																	
395				B		56											

LOGGED BY: J. Wanda

DATE: 29 Nov 82

164 1787

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GCLUSE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
405				L ₁ W	W	56														
410				L ₁ W		56														
415				L ₁ W	W	30°	16°													
420				L ₁ W		55														
				W		28°														
						78														

LOGGED BY: D. Johnson

1700

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3			2	75	50
430				L102		80°											
435				V112		79° 50°	slks. polished, carbonaceous										
440				S12		73° 90°	rough surface										
445				S13		72° 36°	slks. polished carbony										
				L112		73° 58° 56°											

LOGGED BY: D. Johnson

DATE: Dec 82

181

1700

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B	48	65														
				L2		12°														
455				B	48	52														
				L2		37°	97°													
				L2		3°														
460				B		48														
465				B		47														
				L2		55	80°	2												
470				B		46														
				L2		30°		2												
				L2		38°	40°													

LOGGED BY: D. Johnson
DATE: 12. 82

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
505				SW		5															
510																					
515																					
520																					

LOGGED BY: D. J. [Signature]

911

Plate No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
555				B		S													
560				B		S		2, 15cm apart											
565				B		S		2, discontinuous											
570				B		S		Possible shear zone at 572-573', core very broken, and polished.											

LOGGED BY: J. J. [unclear]

931

1700

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GAUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
				L ₂		57 15	Irregular surface														
580				L ₂		65 17°															
585				B		71															
590				L ₂		75 10		very irregular, breccia													
595				B		75 22°															

LOGGED BY: D. Johnson

DATE: 1 Dec 82

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
605				B	W	75	180												
610				B		76	23° 20'	irregular surface											
615				B		20°													
620				B	W	70													

LOGGED BY: D. Johnson

DATE: 1 Dec 87

95-1

1780

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / CLUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		68		Core well intact												
655				B	W	70														
680				B		70														
665				B		70			2, about 4" apart											
670				B	N	15	10°													
				B		71														
				B		74	70													

LOGGED BY: J. W. WARDEN

DATE: 2 Dec 57

271

1750

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
680				F2		70	80	2, about 4" apart slks. polished											
				F2		24													
				F2		72													
				F2		17													
				F2		36													
685				F2		28													
				F2		70													
				F2		17													
690				F2		73													
				F2		17													
695				F2		70		core very broken 693'-698'											
				F2		2													

LOGGED BY: D. Johnson

007

1730

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
705				L2		71												
				L3		79	Core very broken											
				L2		18	706-708											
715							Core very broken											
							716-718											
720																		

LOGGED BY: D. Johnson

DATE: 2 Dec 87

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUZE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT						
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15				
730								Very poor recovery																
735																								
740																								
745																								

LOGGED BY: B. Johnson
DATE: 3/20/84

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
755																				
760				B	W	50		Very competent sst, well indurated												
785				B	W	62														
770				B	W	63														

LOGGED BY: D. Johnson

DATE: 3 Dec 82

PROJECT No.

Golder Associates

Hole No. 1782
SHEET 31 OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
780				B	W	68		very competent SS													
785				B	W	70		very shaly													
790								very carbonaceous													
795								calc zone @ 796' in no particular orientation very shaly													

LOGGED BY: D. Johnson

DATE: 3 Dec 82

PROJECT No

Golder Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
805				W		78													
				B		55													
				B		82													
				B		9													
810				B		75													
815				B		74													
820				B		75													

LOGGED BY: J. J. J. J.

DATE: 3 Dec 82

PROJECT No.

Golder Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
880				2		70		1' long													
				2		69															
				2		34															
				2		2°															
885				3		69															
				2		34	270														
890				2		70		3' long													
				2		1°	10°														
895				2		70		2' long 2. 3" apart													
				2		1°															
				2		23	180														

LOGGED BY: D. Johnson

DATE: 7 Dec 82

PROJECT No

Golden Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				3	3	70															
905				3	3	71°		1" long													
910																					
915																					
920				F	W	25		calc, silcs, coal strgs @ 925'													

LOGGED BY: D Johnson
DATE: 7 Dec 82

Hole No. 1782
37

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
930				B	W	68		3. 3" apart, +lk calc													
				B	N	67															
935				B	N	65															
940				B	B	67															
945				B	B	68															

LOGGED BY: D. Johnson

DATE: 7 Dec 82

PROJECT No.

Golden Associates

Hole No. 1782

28

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		85		Bdg 50° (853'-854')												
955				B		85														
960				B L2		84 15°														
965				B L2		84 51 15°	300	⊙ 868' calc. silks												
970				B L2		82 15°														

LOGGED BY: D. Johnson

DATE: 7 Dec 82

PROJECT NO.

Golden Associates

Hole No. 1782
29

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
980				B		70													
				B		10°													
985				B		71													
				B		24	350												
				B		5°													
990				B		70													
995																			

LOGGED BY: D. Johnson
 DATE: 7 Dec 82
 PROJECT No.

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		70																
1005				B		70																
1010				B		68																
1015				B FI W		65 40°	healed, thk calcite															
1020				S		65																

LOGGED BY: D. Johnson
 DATE: 7 Dec 88
 PROJECT No: _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
1030				B		70													
				B		17													
1035				B		68													
				W		65													
1040				W		10													
				W		55													
				W		54		slks. calc											
				W		25	70												
1045				W		75													
				W		2°		6" long											
				W		1°		5" long											

LOGGED BY: D. Johnson
DATE: 8 Dec 82
PROJECT No.

Golder Associates

Hole No. 1782
SHEET 42 OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1055				W		73		very coaly												
1060				B		73														
1065								coaly or shaly coal very sheared fault zone												
1070				B		74														

LOGGED BY: D. Johnson

DATE: 8 Dec 82

PROJECT No.

Golden Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B		75															
1080				B Fr	W	75 58	300														
1085				B Fr		74 5°															
1090																					
1095																					

LOGGED BY: D. Johnson
DATE: 8 Dec 82

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
1105																					
1110				B		78															
1115				B		78															
1120				IS SH F W		77 8°		sks. polished. oxidized. 2 of these about 2' apart													

LOGGED BY: D. Johnson

DATE: 8 Dec 82

PROJECT No.

Golder Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES		DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING					INCLINATION	ANGLE TO BEDDING	4	3	2	75	50	25	5
1130				B		78												
1135				B		75												
				42		36												
1135				B		76												
				42		10												
1140				B		78												
				42		43												
1145				B		78												
				41 W		63												

LOGGED BY: D. Johnson
DATE: 8 Dec 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				B		80															
1155				B		78															
				B		78															
1160				B		78															
				B		75															
1165				B		75															
				B		77															
1170				B		77															

LOGGED BY: D. Johnson

DATE: 8 Dec 82

PROJECT No.

Golder Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1180																				
1185																				
1190																				
1195																				

LOGGED BY: J. Colman
 DATE: 8/21/82
 PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15			
1230				B		65																
1235				B	N	64																
1240				B		63																
1245				B	W	63																

LOGGED BY: [Signature]
 DATE: 14 Dec 82
 PROJECT No.

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		63													
1255				B		58													
260				B		60													
1265				B		62													
1270				B		64													

LOGGED BY: [Signature]

DATE: 14 Dec 82

PROJECT No

Golder Associates

Hole No. 1782

SHEET 51 OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUSE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		61														
280				B		60														
285				B		63														
290				B		61														
295				B		60														

coaly shale

LOGGED BY: D. JOHNSON

DATE: 14 Dec 82

PROJECT No

Golder Associates

Hole No. 1789

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1355				W	W	83														
				W	W	80														
				W	W	75														
				W	W	83														
				W	W	13	270													
				W	W	80														
1360				B	B	71		Very sharp contact broken core, fault zone??												
1365				B	B	72														
1370				B	B	70														

LOGGED BY: D. Johnson
DATE: 14 Dec 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B	W	68																
105				B	W	72																
				J2	N	36																
140				B	W	75																
145				B	W	76																
				J2		2																
1420				B	W	80																
				J2	W	25	60															
				J2	W	37	80															

LOGGED BY: D. Johnson

DATE: 14 Dec 82

Hole No. 1789

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		78														
1430				B		78														
1435				B		75														
1440				B W		72 60		Irregular, healed about 5 in a 6" zone												
1445				B		65														

LOGGED BY: D. J. [Signature]
 DATE: 1-2-82
 PROJECT No.

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
480				B		50														
				W		43	180													
				W		40	000													
				B		47														
485				B		47														
				B		58														
490				B		58														
				B		58														
495				B		58														

LOGGED BY: J. Conner

DATE: 24 Dec 82

PROJECT No.

Golden Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				W		58													
505				W		45													
				W		25	000												
				W		60	180												
510				W		35													
515				W	W	38		2. ~ 6" apart											
				W		25	180												
520				W		47													
				W		10	180												

LOGGED BY: D. Johnson

DATE: 17 Dec 82

PROJECT No.

Golder Associates

Hole No. 1782
SHEET 61 OF 61

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
530				B		52	2, ~ 6" apart													
535				B		57														
545				B		79														

LOGGED BY: D. Johnson

DATE: 14 Dec 82

PROJECT No.

Golder Associates


Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1555				B	N	70														
1560				B	N	69														
1565				B	W	67														
1570				52	W	26	200	2, about 2' apart												
1565				B		65														
1570				52		26	200													
1570				B		65														
1570				52		22														
1570				52	W	28														

LOGGED BY: D. Johnson
DATE: 17 Aug 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG <input type="checkbox"/> BRECCIA / COUGE <input checked="" type="checkbox"/> BROKEN CORE	HARONNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
1580				B	W	52													
1585				B	W	57													
1590				B	W	52													
				SH	W	25													
				SH	W	3													
1590				B	W	42													
				SH	W	41													
				SH	W	24													
				SH	W	41	000	slks. polished, calc.											
1595				B	W	45													

LOGGED BY: D. Johnson
DATE: 15 Jan 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT						
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15				
1605				3		45		S of these about 3" apart																
1610				SW	N	25	180																	
1615																								
1620																								

LOGGED BY: D. J. Jones
 DATE: 15 Dec 82
 PROJECT No

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
1680				N	N	20															
1685				N	N	22															
1695				N	N	30															
1640																					
1645																					

LOGGED BY: D. Johnson
 DATE: 15 Dec 82
 PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
1655																					
1680				J2	SW	39															
1685				J2	W	39															
1670				J2	W	SW															

LOGGED BY: S. Schnee
 DATE: 15 Dec 82
 PROJECT No:

Golder Associates

Hole No. 1782
 SHEET 27 OF

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG <input type="checkbox"/> BRECCIA / GOUGE <input checked="" type="checkbox"/> BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
				B		45	2												
				B		35													
1680				B		43													
				B		40													
1685				B		40													
				B		37													
1690				B		37													
				B		33													
1695				B		25													

LOGGED BY: J. Cannon
 DATE: 15 Dec 82
 PROJECT No:

Golder Associates

Hole No. 1782
 SHEET 69 OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
170's				W		W													
1710				W		W	90°												
1715																			
720				W		W													

LOGGED BY: [Signature]
 DATE: 15 Dec 82
 PROJECT No.

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
1730				S2		25															
1735																					
1740				S1	W	25															
1745				S1	W	25															

LOGGED BY: D. J. ...

DATE: 10 Dec 85

PROJECT No.

Golder Associates

Hole No. 1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
780				L2	B	25													
1785				L2 L2 L4 L2		37 5 A													
1790				L2		26													
1795																			

LOGGED BY: D. Johnson
DATE: Dec 82
PROJECT No: _____

Golder Associates

Hole No. 1782
SHEET 79 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1805				2 SH	B B	31 32														
1810				5		28														
1815																				
1820																				

LOGGED BY: D. Joiner
DATE: 1-26-80
PROJECT No.

Golder Associates

Hole No. 1782
SHEET 73 OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1830				52	3	2		2, 1 1/2' apart												
1835				52		30														
				52		24														
				52		14														
1840				52		17		vfn gr sst												
				52		10														
1845				52		26														
				52		8														
1850				52		18														

LOGGED BY: D. Johnson
DATE: 10 Dec 72

Hole No. 1782

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
1855				W		10	vfract												
				W		15													
				W		5													
				W		4													
1860				W		26													
				W		17													
				W		24													
1865				W		13													
				W		25													
1870				W		10													
				W		15													
				W		42													

LOGGED BY: D. Johnson
DATE: 16 Dec 82
PROJECT No.

Golder Associates

Hole No. 1782
SHEET 75 OF

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1780				B		40														
1785				B		42														
1790				B		+														
1795				B	N	45														

LOGGED BY: Jackson
DATE: 16 Dec 87
PROJECT No. _____

Golder Associates

Hole No. 1782
SHEET 76 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1780				B		45	45													
1785				B		42	42													
1790				B		41	41													
1795				B	N	42	45													

LOGGED BY: Johnson
 DATE: 15 Feb 87
 PROJECT No.

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
1905				U2		51													
				U2		53													
				U2		36													
				U2		41													
				U2	W	36													
				U2	W	49													
				U2	W	55													
1910				U2	W	55													
				U2	W	61													
				U2	W	55													
				U2	W	62													
				U2	W	40	270												
				U3		51	150												
				U2		40	300												
				U2		74	250												
				U2	W	25	130												
1915				U2	W	71	110												
				U3		5													
				U2	W	84	300												
				U2	W	90													
				U2	W	72	110												
				U2		72	330												
				U2		39	70												
1920				U2		68													
				U2	W	38													
				U3		8													
				U2	W	25													
				U2		55													
				U2	W	68													

HEALED
~~REDDING~~ REDDING DISTURBED
 1912' → 1917'
 REDDING 13°

HEALED.

FAIRLY BROKEN
 SOME POLISHED SRFS.

LOGGED BY: J. STOKMANS
 DATE: 16 Dec 82
 12 JAN. '83.

Hole No. 1782

Golden Associates

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
1930				J2		74													
				J2		80													
				B		20													
				J2	W	27	300												
				J2	W	32													
1935				J2	W	31													
				J2	W, R	29													
				J2	W	22	255												
				B		24													
				J2	W	58	265												
				J2	W	20	280												
				J2	W	69	270												
1940				J2	W	33	300												
				J2	W	66	80												
				B		15													
				J2		20	180												
				J2	W	24	270												
1945				J2	W	37													
				B		16													
				J2		72	240												
				J2	W, R	14													
				J2		61													
			J2		6														

LOGGED BY: J. STOKMANS
DATE: 12 JAN 1983.

Hole No. 1782

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1955				J2		36		MASSIVE SANDSTONS WITH LITTLE FRACTURE												
				B		07														
1960				J2		19		POLISHED SURFACE												
				J2 W		43														
				J2		36														
1965				J2		80		SOME POLISHED SRFS.												
				J2		71														
				J2		63														
				J2		24														
				B		20														
				J2		57	280													
1970				J2		38		HEALED HEALED. HEALED. HEALED HEALED ONE HEALED, ONE NOT.												
				J2 W		77	330													
				J2 W		10	270													
				B		10														
				J2		40														
				J2 W		30	90													
				J2 W		33	290													
			J2 W		70	240														
			J2 W		65	340														

LOGGED BY: JOHN STOKMANS

DATE: 12 JUL 1987

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1980				B		13		FINE GR. SST.												
				J2	W	28	75													
				J2		12														
				J2		29														
				J2		65														
				J2	W	88	120													
1985				J2		26		CONTINUOUS 1983 → 1985												
				J2		38														
				J2		09														
1990				J2		30		RUBBLY 1987-1988												
				J2		37														
				J2	W	83														
				J2		74														
				J2		24														
1995				J2		06		3 OF THESE												
				J2		06														
				B		10														
				J2	W	22°														
				B		16														
			J2	W	5	75	CONTINUOUS 1 FOOT													
								HEALED 5 OF THESE												
								DISTORTED BEDDING.												
								POLISHED SURF ALONG THIS CONTINUOUS JOINT.												

LOGGED BY: J. STOKMANS

1787

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				B		16													
2005				B J2		16 27		POLISHED SURF. FINE GRAINED SST.											
2010				J2 J3		42 41		SLIGHTLY POLISHED.											
2015				B		17													
2020				J2 B J2 J2 J2 J2		38 22 58 52 55 47		SWIRLY. HEALED.											

LOGGED BY: JOHN STOKMANS

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN COIIE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
				B		20														
				J2		39	75													
2030				J2		13														
				J2	W	12	105	HEALED												
				J2	W	49	290													
2035				J2	WR	05	270	HEALED	ZONE 2033-2035 HIGHLY FRACTURED & LOTS OF W INFILLING (HEALED)											
				B		13														
				J2	W	8	20	CROSS-BEDDING HEALED												
				J3		58														
				J2	W	10	280	HEALED												
2040				J2		47	80													
				B		09		CROSS BEDDING. INTACT												
				J2		46														
				J2		07		SMOOTH SURFACE CONTINUOUS												
				J3		24														
2045				J2		22														
				J2		54		CROSSBEDDING.												
				J2		45														
				J2	W	65														
				J2	W	15														
				J2	W	09														

LOGGED BY: J. STOKMANS

DATE: 17 JAN 83

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
2055				B		10		HEALED. 3 OF THESE HEALED	[Hand-drawn rock texture]											
				J2	W	15	275													
				J2	W	09	270													HEALED
				J2		65														
2060				J2	W	09	270		[Hand-drawn rock texture]											
				J2	W	07	270													
				B		09														
2065				J2	W	08	280	HEALED. 2 OF THESE CROSSBEDDING.	[Hand-drawn rock texture]											
				J2		68	125													
				J2		270														
2070				J2		70	270		[Hand-drawn rock texture]											
				J2	W	63														
				B		18														

LOGGED BY: J. STOKMANS

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG BRECCIA / SCOUR <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
2080				J2	W	64		MASSIVE SST.											
				J2		38		THIS ZONE IS 3-5" ± 2"W											
				J2		15		AND 3-64° INTS.											
				J2		09		2 OF THESE											
2085				J2		05													
				B		10													
2090																			
				J2		30													
				J2		25		SOME SLIGHT											
				J2		95		POLISHED SURFS.											
2095				J2		78		4 OF THESE											
				J2		74		PLANT REMAINS											
								IN ROCK 75% RECOVERY											

LOGGED BY: J. STOKMANS

1782

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
2105				J2	F	20		Fossils & polished srf's									
				J2	W	26		Fossils & polished lenticles srf's throughout.									
2110																	
2115								WELL BROKEN									
2120								COAL.									

LOGGED BY: J. STOKMANS

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/CORRE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY			PERMEABILITY
	25	50	75	TYPE	INFILLING	INCLINATION			4	3	2	75	50	25	5	10	15	
2130							NICE CLEANING.											
2135																		
2140																		
2145							3" SLTS PARTING & POLISHED SURFCS.											

LOGGED BY: J. STOKMAN S
 DATE: 19 JAN '83
 PROJECT No. _____

Golder Associates

Hole No. 1782
 SHEET 96 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	BRECCIA/CORRE BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY	PERMEABILITY
	25	50	75	TYPE	INFILLING	INCLINATION				4	3	2	75	50	25		
2155																	
2160																	
2165																	
2170																	

LOGGED BY: J. STOKMANS

DATE: 19 JAN '83

PROJECT No.

Golder Associates

Hole No. _____

SHEET 87 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY	PERMEABILITY		
	25	50	75	TYPE	INFILLING	INCLINATION			4	3	2	75	50	25				
2180							POWDER	<input checked="" type="checkbox"/> BRECCIA/GOUGE <input checked="" type="checkbox"/> BROKEN CORE										
2185																		
2190																		
2195																		

LOGGED BY: V. STOKMANS
DATE: 19 JAN '83
PROJECT No. _____

Golder Associates

Hole No. 1782
SHEET 88 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY	PERMEABILITY
	25	50	75	TYPE	INFILLING	INCLINATION			4	3	2	75	50	25		
2205																
2210																
2215				J2		36	PLANT MATERIAL AND POLISHED SURFACES THROUGHOUT.									
2218				J2		30	END OF HOLE									
				J2		45										

LOGGED BY: J. STOKMANS
 DATE: 19 JAN 83
 PROJECT No. _____

Golder Associates

Hole No. 1782
 SHEET 89 OF 89

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
30				B		64°		2 of these											
35				J ₂ Fe		9°													
40				B		50°													
45				J ₂ B	C	34° 60°													
				J ₅ B	W	16° 64°													

LOGGED BY: E. Daignault
DATE: Aug 10/82
PROJECT No. _____

Golder Associates

Hole No. 1785
SHEET 2 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
55				J ₂	Fe	42°	160°	2 N 2" apart												
				B		61°														
60				J ₂	W	30°														
				J ₅	W	30°														
65				J ₂	B	21°		2 of these												
				B	Fe/B	50°														
70				J ₂	C	62°														
				B		58°														
				J ₂	C	25°		2 of these												
				B		62°														

LOGGED BY: E. Daignault

DATE: Aug. 10/82

PROJECT No. _____

Golder Associates

Hole No. 1795

SHEET 3 OF _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
80				B		76°															
85				B J ₂	C	68° 14°	2 of these														
90				B		63°															
95				J ₂ J ₅ B	W W	34° 34° 58°	2 of these														

LOGGED BY: F.M.D.
 DATE: Aug 10/82.
 PROJECT No. _____

Golder Associates

Hole No. 1785
 SHEET 4 OF 11

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
105				B		52°														
110																				
115																				
120				B		50°														

LOGGED BY: E. Daignault
 DATE: Aug. 10/82
 PROJECT No. _____

Golder Associates

Hole No. 1785
 SHEET 5 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
130																				
135																				
140																				
145																				

LOGGED BY: E. Daighault
 DATE: August 10/82
 PROJECT No. _____

Golder Associates

Hole No. _____
 SHEET 6 OF 11

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15	
155				J ₂	W	26°		~10 of these (somewhat marbled) 3 of these												
				J ₅	W	52°														
				J ₂	W	37°														
160				B		42°														
				J ₂		22°														
165				B		45°														
				J ₂	W	52°														
170				J ₂	C	26°		2 of these												
				B		54°														

LOGGED BY: E. D. Danault
 DATE: August 10/82
 PROJECT No.

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
180				B	B	62°														
				52		44°														
				52		30°														
185																				
190																				
195																				

LOGGED BY: E. Daignault
 DATE: August 10/02
 PROJECT No. _____

Golder Associates

Hole No. 1785

SHEET 8 OF _____

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	45	10	15
205				L2	B	0												
				L2	B	80												
210				B	B	60												
				L2	B	27												
				L2	B	17												
215																		
220				B		55												

LOGGED BY: _____
DATE: _____



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	75	50	25
230				W	F	SS	190°	Siks @ 227										
235				W		SI												
240				W		SI	37° 33°											
245				W	F	SI	17° 20°											

LOGGED BY: D. Johnson
DATE: 26 AUG 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG ERECT / GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 5			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2						
				B		40°												
255				B G2 J2	W	34° 38° 30°	240° 340°											
260				B G2	W	95° 38°	200°											
265				B G2		45° 33°												
270				B		45°												

LOGGED BY: D. Johnson
DATE: 26 Aug 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10
280				B		45°											
285				L2 B		12° 44°	2-3 of these										
290				B		45°											
295				L2 B		35° 25°											

LOGGED BY: D. Johnson
DATE: 26 Aug 82

fording

GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS 4 3 2			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 5		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING											
				B 52		40° 83		2.7 + Lese										
305				B		33												
310				B		25°												
315				B 52		97 42												
320				B 52		36° 45°	160°											

LOGGED BY: D. Johnson
DATE: 26 AUG 82



GEOTECHNICAL LOG

HOLE No. 1785

QUEST 13

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECCY BOUGER BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	5	15
330'				W	W	20											
335'				W	W	27	2 OF THESE.										
340'				W	W	19	Carbonaceous infilling										
345'				W	W	17											

LOGGED BY: P. DUDZINSKI

DATE: 26 AUG 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 14

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BREGGIA/GOLGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
				W	W	33°	30°											
355				W	W	33°												
360				W	W	33°												
365				W	W	38°												
370				W	W	37°	340°											

LOGGED BY: D. Johnson
DATE: 15 Sept 82



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 15 OF 25

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECKLE/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 5		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2						
380				W	W	50°												
				W	W	50°												
				W	W	57°												
385				W	W	53°												
				W	W	58°	58°											
				W	W	58°	58°											
390				W	W	37°		Well indurated										
				W	W	37°												
395				W	W	37°												

LOGGED BY: D. Johnson
 DATE: 15 Sep + 82



GEOTECHNICAL LOG

HOLE No. 1785
 SHEET 16 OF

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	75	10	15	
405				B	B	37°													
410				B		13°													
415																			
420				B	B	41°													

LOGGED BY: D. Johnson
DATE: 15 Sept 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 17 OF

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORE??	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	35	10	15
				B	W	38												
430				B		33												
435				B	W	33												
440				B L	W	35 50	300°	healed, 3 of these										
450				B S	W	30 4		slks, calc.										

LOGGED BY: D. Johnson
 DATE: 15 Sept 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION											
	25	50	75					4	3	2	75	50	25	75	10	15	
					2	33											
455				B	B	31											
460				B	B	33											
465				B	B	32											
470				B	B	33	highly sheared 470'- 472' silts, carbony. polished, calc.										
				L2 S	B W	35° 4°		330°									

LOGGED BY: D. Johnson
DATE: 15 Sept 89



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 19

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG PRECIPITATION BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	15
480				B	B	33°	95°	slks										
485				B	B	33°	26°											
490				B	B	33°	4°											
495				B	B	33°	51°	thk calc-fault zone Some are J's, 3 these										

LOGGED BY: D. Johnson
 DATE: 15 Sept 82



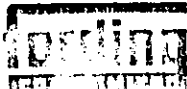
GEOTECHNICAL LOG

HOLE No. 1785

SHEET 90 OF

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/SOLGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT					
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5			
505				W	W	77°		abrupt bdy L change @ 501' (33° → 83°), bdy planes curve, possible response to fault ?? or syncline ??	[Dotted pattern]												
				W	W	83°															
				W	W	25°															
				B	B	75°															
510				B	B	26°		coaly strgs	[Dotted pattern]												
				B	B	75°															
515				B	B	75°		calcite infilling highly carbonaceous	[Dotted pattern]												
520																					

LOGGED BY: D. Johnson
 DATE: 15 Sept 82



GEOTECHNICAL LOG

HOLE No. 1785
 SHEET 21 OF 21

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCY GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 15			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	15
530																		
535				B W	B W	74° 10°	350°											
540				B W	B W	75° 85°												
545																		

LOGGED BY: D. Johnson
DATE: 9-10-07 SA

fordinn GEOTECHNICAL LOG

HOLE No. 178S

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRIDGMAN/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	5
				B	N	80°	X-bdg, calc strgs ↓ ↓											
555				B	N	78°												
560				B	N	79°	calc infilling along bdg planes											
565				B	N	75°												
570				B	N	77°												

LOGGED BY: D. Johnson
DATE: 20 Oct 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 92 OF

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECKLE/GRAPE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10
580				B	N	80°											
585				B	N	82°											
595				F12		84°											
590				B		82°											
595				F13	N	83°	healed										

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 24 OF


DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BRICKEN COREZZ	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	75	10
				F1W	W	85°											
				F2	W	40°											
605				F1B	W	83°	2										
				F2	W	120°											
610				F1B	W	83°											
				F2	W	80°											
615				F1B	W	83°											
				F2	W	85°											
620				F1B	W	83°											
				F2	W	36°											

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 1785
SHEET 25 OF

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BREGG SOURCE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
630																		
635				I2	B	50		good recovery										
640				I2	B	30		highly carb. coal string										
645																		

LOGGED BY: D. Johnson

DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 96 OF

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG PRECEDING BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
655				R	W	80°												
660				R	W	80°												
				W	W	120°												
				W	W	30°												
665																		
670																		

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 07 OF 08

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPEEDY GAUGE BROKEN COREZ.	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	5
680																		
685																		
690				B	B	83												
695				B	B	95												

LOGGED BY: D. Johnson
DATE: 26 OCT. 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 98 OF

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
705				B	B	8°												
				B	N	10°												
				B	B	5°												
710				B	B	6°												
				B	B	6°												
715				B	B	8°												
				B	B	6°												
720				B	B	6°												

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 1785
SHEET 99

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPEC. GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	5
				SW		75°												
				SW		95°												
730				SW		85°												
				SW		46°												
				SW		32°												
735																		
740																		
745																		

Starts here →
(738')

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 20 OF 25

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRIDGMAN GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	5
755				W		85°												
760																		
765				B W		85° 37°												
770				B		85°												

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 31 OF

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIALLY BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 25 10 15		
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2					
				B	N	88°	Fining upward sequence										
780				B		85°											
785				B		83°											
790				B		83°											
795				B		88°											

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 32

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECCIA/GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
				B		80°	Finishing upward sequence											
805				B		75°	Fin gr sst Well intact, very few fractures											
810				B	W	72°												
815				B		70°	med gr sst alternate cycles of fin + med gr sst											
820				B	W	71°												

LOGGED BY: D. Johnson

DATE: 20 Oct 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECKLE/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	5	
830				W		70°	Fining upward sequence well intact, very few fractures												
				W		80°													
835				W		68°													
840				W		65°													
845				W		10°	240°												
				W		63°													

LOGGED BY: D. Johnson
DATE: 20 OCT 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 34 OF

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	25	10	15	
855						30°	carbonaceous, dark slaty in places polished												
860																			
865				LI	B	SE													
870				LI	B	30°	calcite carbonaceous polished surfaces												

LOGGED BY: D. Johnson
DATE: 3 NOV 82

fording

GEOTECHNICAL LOG

HOLE No. 1785

SHEET 35 OF

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/FOURGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 25 10 15		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2						
				B		67		Carbonaceous, dark										
880				B		67												
885				B	B	68												
890				B		65												
895				B		30		calcite infilling										

LOGGED BY: D. Johnson
DATE: 3 NOV 82



GEOTECHNICAL LOG

HOLE No. 1985

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECKLE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION -% 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 15				
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	15	10	15	
905				W		70°	2 healed, abundant calc.												
				W		80°													
				W		80°													
				W		75°													
910				B		80°													
915				B		83°													
920				B		85°													

LOGGED BY: _____
DATE: _____



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 27

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5	
930				B	W	80°		abundant calcite plant debris x-bdg											
935				B	W	75°													
940				B	W	73°													
				T2	W	80°													
				T1	W	80°													
945				B	W	73°		sluar plane, polished coaly zone											

LOGGED BY: D Johnson
DATE: 3 NOV 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 24 OF 25

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG REGULAR GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 25 10 5			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	5	
955				B	W	72°		healed, 3-5 2-4	[Dotted pattern]										
				B	W	150°													
				B	W	8°	170°												
				B		30°	160°												
960				B	W	50°													
				B	W	60°													
970				B	W	60°		plant debris slks	[Dotted pattern]										
				B	W	60°													

LOGGED BY: D. Johnson
 DATE: 3 NOV 82

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG	DRECCO/GOUGE BROKEN CORE (%)	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	25	10	15
				B		68													
980				B	L2	72	36°												
985				B		71													
990				B		71													
995				B	L2	72	36°												

LOGGED BY: D. Johnson
DATE: 3 NOV 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG	BRECCIA/SOLGE	BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	25	10	5	
1005				B		75															
1010				B		85															
1015				B		60°		highly calcified (Fault zone ??)													
1020				B		55°		Slks @ 1020'-1022'													

LOGGED BY: B. Johnson
DATE: 3 Nov 82



GEOTECHNICAL LOG

HOLE No. 178S

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOLGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	5	10	15
				W	W	60°												
				W	W	80°												
1030				B	W	65°												
				B	W	22°	150°	22										
1035				B	W	67°												
1040				B		60°												
1045				B		60°												

LOGGED BY: D. Johnson
DATE: 7 NOV 82

fording

GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG GREY/ROUSE BROKEN CORE??	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING						75	50	25	15	10	5
				B	B	60												
1055				B	B	61												
1060																		
1065																		
1070				B	N	60°												

LOGGED BY: D. Johnson
DATE: 7 NOV 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIMEN BROKEN CORE	HARDNESS 4 3 2			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 5			
				TYPE	INFILLING	INCLINATION												ANGLE TO BEDDING
1080				W	E	60°	Polished surface @ 1083'											
1085				W		61°												
1090				W E W		60° 50°		20° 2 of these										
1095				W		63°												

LOGGED BY: D. Johnson
DATE: 7 NOV 82



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 44 OF 55

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	15	
1105				LIR	W	60°	20°	2, healed											
1110				LIR	W	60°	20°												
1115				LIR	W	60°	20°	healed											
1120				B		60°													

LOGGED BY: D Johnson
DATE: 7 NOV 82



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 45 OF

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECK/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 5 10 15		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING											
	25	50	75							4	3	2	75	50	25	5	10	15
				B		66												
				B		25		healed										
1130				B		68		very few fractures ↓										
1135				B		65												
1140				B		68												
1145				B		68												

LOGGED BY: D. Johnson
DATE: 2 NOV 82



GEOTECHNICAL LOG

HOLE No. 178S

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECTRA/GAUGE BROKEN CORE/ZZ	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	5	
1155				B	B	6.													
1160																			
1165																			
1170																			

LOGGED BY: D. Johnson
DATE: 7 NOV 82



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 47

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIMEN BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	75	10	15
1180				B	B	85°												
1185				B	B	82°												
1190				B	B	85°												
1195				B	B	84°												

LOGGED BY: D. Johnson
DATE: 7 NOV 82

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS 4 3 2			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 5			
				TYPE	INFILLING	INCLINATION												ANGLE TO BEDDING
1205				B		85°												
				L1 B	W	84°												
				L2		32°												
1210				L2 W		20°	3-8 Shear @ 1212'											
1215				L2 W		30°	3											
1220							Shear at 1222'											

LOGGED BY: D. Johnson
DATE: 12/1/82



GEOTECHNICAL LOG

HOLE No. 1985

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	25	10	15
230				S		V												
235				FE	W	29	2-3											
240																		
245				FE		22	2											

LOGGED BY: D. Johnson
 DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 50 OF 50

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SRECCA/GOUGE BROKEN CORE/2	HARDNESS			ROCK QUALITY DESIGNATION -%			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	75	10	15
				B		37		NO JOINTS. NOTE BSG CHANGE										
1255				B		37												
1260				B		36												
1265				B		35												
1270				B	B	35												

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 5 OF 5

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIALLY GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	25	10	5
				B		35°												
1280				B		35												
1285				B		34	vfn gr sst											
1290				B S ₂		35 20°												
1295				B S ₂		35 20°	35, sets about 10cm apart.											

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 52

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION - %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	5
				B	B	33												
1305				6 1/2 W	B	33												
				6 1/2 W	W	12°												
				6 1/2 W	W	28°	90°											
1310				6 1/2 B		98												
				6 1/2 W		46°												
1315				B		96												
1320				6 1/2 W		95												
				6 1/2 W	W	47°	180°											
				6 1/2 W	W	85												
				6 1/2 W	W	47	340°											

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET CS

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/G-LOG BROKEN COREZZ	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	15
				B		26												
1330				B		28												
1335				B		31												
1340				B		33												
1345				B		32												

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIALLY SOUGED OR BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	75	50	25
				B	W	38												
1355				B		39												
1360				B		40°												
				B	W	30°	120°	Irregular surface										
				B		26°												
1365				B		40												
				B	W	29°		3										
1370				B		38												
				B	W	29°												

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 5 OF 5

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	75	50	15
				B		29												
1380				B		28												
1385				B		30												
1390				B	W	31												
				B	W	35	90°											
				B	W	35	270°											
				B	W	35												
1395				B		30												

LOGGED BY: D. Johnson
DATE: 18 Nov 87



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	75	10
				L1	W	25 45°	510°	2									
1405				L1	B	22 50°											
1410				L1	B	21 53°		Wavy bdy S									
1415				L1	B	20											
				L1	W	39°	270°	2-3									
				L1	W	39°		2-3									
				L2	W	18°		core very broken (rubble)									
1420				L1	B	22											
				L1	W	9°		shear, heavy calc. silks									
				L2	W	30°		minor fault									
				L2	W	31°		3-5									

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 57

DEPTH	% CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 25 10 15			
				TYPE	INFILLING	INCLINATION			ANGLE TO BEDDING	4	3	2	75	50	25	25	10	15
1430				L1 B	W	21° 45°	340° healed 13-5											
1435				L1 B L2		25° 27°	270° 6-8											
1440				L1 B L2		28° 40°	270° 2											
1445				L1 B L2 L3		27° 32° 10°												

LOGGED BY: D Johnson
DATE: 18 NOV 82



GEOTECHNICAL LOG

HOLE No. 178S

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG BRECCIA/GRAVEL BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	45	10	15
1455				51D		38°		2										
1460																		
1465																		
1470																		

LOGGED BY: D. Johnson
DATE: 18 Nov 89



GEOTECHNICAL LOG

HOLE No. 178S

SHEET 59

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SERVOLOG BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
1475																		
1480																		
1485																		
1490																		

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 178S
60

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG DRESS/GAUGE IN BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION - %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	15
1505								85% recovery										
1510																		
1515																		
1520																		

LOGGED BY: _____
DATE: _____



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIAL GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	5
								85% recovery										
1530																		
1535																		
1540																		
1545																		

LOGGED BY: D. Johnson
DATE: 18 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 60 OF

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPECIMEN BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	25	10	15
				B		40°												
1555				B		40°												
1560				B		40°												
1565				W L2		40° 48°												
1570				B		40°												

LOGGED BY: D. Johnson
DATE: 22 Nov 87

fordina GEOTECHNICAL LOG

HOLE No. 1785
67

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG	BRICK/GAUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION %			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	75	10	15
				B		42													
1580				B		42													
				B		26°													
				B		20°													
1585				B		42													
				B		45													
1590				B		38°	180°	2											
				B		44													
1595				B															

LOGGED BY: D Johnson
DATE: 24 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 64

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	SPREAD/GAUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	85	10
	25	50	75															
				B		43												
1605				B L2		42 50	2											
1610				B		44												
1615				B		44												
1620				B		43												

LOGGED BY: D. Johnson
DATE: 24 Nov 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 15

DEPTH	% CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG SPEICAL GOUGE BROKEN CORES	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 15		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			4	3	2	75	50	25	15	10	15
				B		43												
1630				BW		44												
1635				B		44												
				B		42	60°											
				B	W	44	270°											
				B	W	20°		leaked										
1640				B		45												
1645				B		44												
				B		48°	340°											

LOGGED BY: D. Johnson
DATE: 24 NOV 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 66 OF 66

DEPTH	% CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	GRAPHIC LOG	SPECCO/GAUGE OR BROKEN CORE(S)	HARDNESS			ROCK QUALITY DESIGNATION % 75 50 25			NATURAL FRACTURE FREQUENCY PER FOOT 15 10 15		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2						
				B		43		2											
				B		41°													
1655				B		43													
1660				B		43													
1665				B		43													
1670				B		44													

LOGGED BY: D. Johnson
DATE: 24 NOV 82



GEOTECHNICAL LOG

HOLE No. 1785

SHEET 67 OF

DEPTH	% CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	GRAPHIC LOG	SPECIMEN GAUGE # BROKEN CORES			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION						ANGLE TO BEDDING	4	3	2	75	50	25
	25	50	75															
				B		43												
1680				B		41												
1685				B		35												
				B		25°												
1690				B		27												
1695				B		25												

LOGGED BY: D. Johnson
DATE: 24 NOV 82



GEOTECHNICAL LOG

HOLE No. 1785

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CLRE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
1705				B		21													
1710				B		18													
1715				B		20													
1720				B 52		20 33	270												

LOGGED BY: D. Johnson

DATE: 9-1-1968

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				B		20																
1730				B		15°																
1735				B		19																
1740				B		19																
				B		42	250°															
1745				B		19																

LOGGED BY: D. JOHNSON

DATE: 25 NOV 82

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CONE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		17													
1780				B		18													
1785				B		18													
1790				B		20													
1795				B		20													

LOGGED BY: D. Johnson
DATE: 15 April 80

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
1805				B		90													
1810				B		21													
1815				B		90													
1820				B		90													

LOGGED BY: D. JOHNSON

DATE: 25 Nov 1965

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
				B		21											
1830				B		20											
1835				B		20											
1840				B		19											
1845				B		19		Basal SST (1846)									
								↓									

LOGGED BY: D. Johnson

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
				B		18													
1880				B		17													
1885				B		17													
1890				B		16													
1895				B		17													

LOGGED BY: E. Johnson

DATE:

1785

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3			2	75	50
1905				B		14											
						37	950										
						47	920										
						45	150										
						40											
						48	330										
1910				B		13											
						47	190										
						46		3-4									
						35	925										
1915				B		13											
						45	925										
						41	910										
						45	320										
1920				B		14											
						38	960										
						35		2									

LOGGED BY: D. Johnson

DATE: 25 Nov/87

DEPTH	PERCENT. CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10
1930				L ₂		13													
1935				L ₂		14													
				L ₂		45													
				L ₂		50													
1935				L ₂		12													
				L ₂		40	270												
				L ₂		38	300												
				L ₂		40	270												
1940				L ₂		12													
				L ₂		44	300												
1945				L ₂		12													

LOGGED BY: D. JOHNSON

DATE: 10/1/65

1705

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / G.C. UGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
				W		14																
1980				W		35																
				W		12																
1985				W		35																
				B		4																
1965				W		3	270															
				W		13																
1990				W		42																
				W		8																

LOGGED BY: J. Johnson

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
1980				L ₂ B	B	15														
				L ₂ B		25														
				L ₂ B		17														
1985				L ₂ B		14														
				L ₂ B		8		continuous (1783-90')												
1990				L ₂ B		15														
				L ₂ B		15														
1995				L ₂ B	W	17														
				L ₂ B		90		Irregular												

LOGGED BY: D. J. Johnson

DEPTH	PERCENT CORE LOSS			FRACTURE				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGET BROKEN CORE (%)	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
11								0/B to 12.5'													
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					
41																					
42																					
43																					
44																					
45																					
46																					
47																					
48																					
49																					
50																					

LOGGED BY: D. Johnson
DATE: 29 JUNE 82
PROJECT No. _____

P22A 149,822.2N 2451.6 declination
25619.3 E

Golder Associates

Hole No. 1900
SHEET 1 OF _____

DEPTH	PERCENT CORE LOSS			FURE				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
				L1B		80°	70°										
30				L1B		80°											
35				L1B	W	80°											
40				L1B		80°											
45				L1B	SW	80°											

LOGGED BY: D. Johnson

DATE: 29 June 82

PROJECT No. _____

Golder Associates

Hole No. 1900

SHEET 2 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				W		80°													
55				W		80°													
60				W M W		80° 45° 12°													
65				W		80°													
70				W W		85° 12°													

LOGGED BY: D. Johnson
DATE: 29 JUNE 82
PROJECT No. _____

Golder Associates

Hole No. 1900
SHEET 3 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
80				W	W	82°		2 of these	[Dotted pattern]											
				W	W	16°														
				W	W	16°		2 of these	[Dotted pattern]											
				W	W	15°														
85				B		82°			[Dotted pattern]											
90				W	W	80°			[Dotted pattern]											
				W	W	4°			[Dotted pattern]											
95				W	W	80°			[Dotted pattern]											
				W	W	70°			[Dotted pattern]											

LOGGED BY: D. Lohr
DATE: 29 JUNE 82
PROJECT No. _____

Golder Associates

Hole No. 1905
SHEET 364 OF _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				LS	F	90°															
105				LS	W	100°															
110				LS	F	90°															slaty coal
				LS	W	10°		2 of these (2 separate) healed													
115				LS	F	80°															
				LS	F	60°															
				LS	F	18°		2 of these													
120				LS	W	40°		2 of these													

LOGGED BY: D. Johnson

DATE: 29 JUNE 82

PROJECT No.

Golden Associates

Hole No. 1900

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE BROKEN CORE	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
				M		88°															
130				M	3 1/4	85°		2 1/2 + lense													
135				M	1 1/2	86°															
				M	1 1/2	50°															
				M	3 1/4	22°		2 1/2 + lense													
140				M	1 1/2	17°															
				M	3 1/4	86°															
				M	1 1/2	18°															
145				M	1 1/2	88°															
				M	1 1/2	150°															
				M	1 1/2	60°															
				M	1 1/2	22°															
				M	1 1/2	100°															

LOGGED BY: D. Johnson
DATE: 29 JUNE 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
155				B		80°														
160				B F	F	77° 6°	40°													
165				B F	T	78° 17°	4°	3 ↓ these												
170				B F	T	85° 12°		2 ↓ these												

LOGGED BY: D. Johnson
DATE: 29 June 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
				TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15	
180				B 52		8° 15° 17°															
185																					
190																					
195																					

LOGGED BY: D. Johnson

DATE: 29 JUNE 82

PROJECT No.

Golder Associates

Hole No. 1900

SHEET 8 OF

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15	
-185				J ₂	C	21°	270°	-2 of these												
				J ₂	W	16°														
				B		60°														
				J ₂	C	26°														
				J ₅	W	26°														
-190				J ₂	W	26°														
-195				J ₂	Fe	15°														
				B		60°														
-200				B		74°														

LOGGED BY: E. M. D.

DATE: Jul 4/82

PROJECT No.

Golden Associates

Hole No. 1900

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT	
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2			75
-210				J ₂	Fe	15°		X-bedded								
				B		72°										
-215				J ₂	Fe	18°		X-bedded								
				B	B	68°										
				J ₂	B	65°	29°									
-220				J ₂	C	8°		2 of these								
				J ₂	B	35°										
				J ₅		16°	25°									
				B	P	58°										
-225				J ₅	W	6°		3 of these								
				B	B	62°										
				J ₂	Fe	16°										

LOGGED BY: E.M.D.
DATE: July 1/82
PROJECT No. _____

Golden Associates

Hole No. 1900

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
255				W		25°												
261				F1W		71° 4°	2 ft Loss											
265				F1W		20° 17°												
270				F1W		58° 5°												

LOGGED BY: D. Johnson
 DATE: 5 JULY 82
 PROJECT No.

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>			HARDNESS			ROCK QUALITY			NATURAL FRACTURE			
				TYPE	INFILLING	INCLINATION							ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
280				H1W		76°																
				H1W		78°																
				H1W		10°																
285				H1W		4°																
				H1W		78°																
				H1W		10°																
				H1W		7°																
290				H1W		78°																
				H1W		10°																
				H1W		3°																
295				H1W		77°																
				H1W		2°																

LOGGED BY: D. Johnson
DATE: 5 JULY 92
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
308				B		75°		3 of these	[Dotted pattern]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]	[Empty]		
				B		50°															
				B		18°															
				B		80°															
310				B	W	79°															
				B	W	10°															
				B	W	10°															
315				B	W	83°															
				B	W	10°															
				B	W	80°															
320				B	W	10°															

LOGGED BY: D. Johnson

DATE: 5 JULY 82

PROJECT No. _____

Golder Associates

Hole No. 1900

SHEET 14 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION					ANGLE TO BEDDING	4	3	2	75	50	25	5	10	15
330						8°														
						25°	2 ft + case													
						85°														
						15°														
						89°														
340						8°														
						5°														
345						87°														
						6°														

LOGGED BY: D. Johnson

DATE: 5 JULY 82

PROJECT No.

Golder Associates

Hole No. 1900

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				M1		88°													
355				M1		87°													
				M1		4°													
				M1		15°													
360				M2		90°	90°	2 ft less											
				M2		15°													
365				M2		87°		2 ft less											
				M2		4°													
370				M2		86°		2 ft less 10cm apart											
				M2		4°													
				M2		17°													

LOGGED BY: D. Johnson

DATE: 5-20-78

PROJECT No.

Golden Associates

Hole No. 1900

DEPTH	PERCENT CORE LOSS			FRACTURES			DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION				ANGLE TO BEDDING	4	3	2	75	50	25	5	10
380				M L W		88° 75° 50°	150° 240°											
385				L W F		88° 20°	40°											
390				M L W F B		88° 25° 10° 4°												
395				M L W F B		88° 25° 20° 20° 25°		healed 3 of these										

LOGGED BY: D. Johnson
DATE: 5 July 82
PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
				IS		90°											
405				B	W	89°											
410				B		85°											
				B		70°											
415				B	W	88°											
				B	W												
420				B	W	89°											
				B	W	14° 90°		2 of these									

LOGGED BY: D. Johnson

DATE: 5 JULY 82

PROJECT No.

Hole No. 1970

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
430				W		70°	2°													
435				W		90°														
440				W		89°	10°	Irregular fracture plane												
445				W		86°	50°													

LOGGED BY: D. Johnson
 DATE: 5 JULY 82
 PROJECT No. _____

Golder Associates

Hole No. 1900
 SHEET 19 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
				W	W	80°													
455				W	W	80°													
				W	W	80°													
460				W	W	80°													
				W	W	80°													
465				W	W	80°													
				W	W	80°													
470				W	W	80°													

LOGGED BY: D. Johnson
 DATE: 5 JUL 89
 PROJECT No. _____

Golder Associates

Hole No. 1900
 SHEET 20 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25
480				W		10°	34°										
485				W		22°	30°										
490				W		70°											
495				W		70°	35°	2y + less									

LOGGED BY: D. JOHNSON
 DATE: 5 JULY 82
 PROJECT No. _____

Golder Associates

Hole No. 1900
 SHEET 21 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG		HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING			BRECCIA / GOUGE	BROKEN CORE	4	3	2	75	50	25	5	10	15
503				F1		7°		2 parallel ~ 4" apart	[Dotted pattern]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]		
				F1		10°														
				F1		7°														
				F1		10°														
510				F1		9°														
				F1		11°														
515				R		68°														
				J ₂		8°														
				J ₂ Fe		14°														
				J ₅ B		9°														
520				R		68°														
				J ₂ Co		14°														
				J ₂ Co		9°														
				J ₅ Co		14°														

LOGGED BY: D. Johnson
 DATE: 5 JULY 82
 PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT													
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15											
530				J ₂	C	44°		2 parallel ~ 4" apart.	[Patterned]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]												
				B		66°																								
535				J ₂	C	34°																								
				J ₂	B	45°																								
540				B		66°																								
				J ₂	W	11°																								
				J ₂	W	35°																								
				J ₅	W	12°	90°																							
545				B		69°																								
				J ₅	W	9°																								

LOGGED BY: E. Diamond
 DATE: July 6/82
 PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
555				J ₂ C		7°														
				B J ₂		65° 9°														
560				B J ₂ J ₂		65° 14° 20°														
565				J ₂ C B		7° 66°		2 of these												
570				J ₂ C		12°														

LOGGED BY: E. Daignault
DATE: July 6/82
PROJECT No. _____

Golder Associates

Hole No. 1900
SHEET 24 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GORGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT				
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15		
580				J ₅	W	12°																
				B																		
				B		82°																
585				J ₂	C	8°																
				J ₂	C	26°																
590				J ₅	C	8°		2 parallel ~2.5" apart														
				B		84°																
595				J ₅	W	15°		2 of these														
				J	W/c	20°																
				B		84°																

LOGGED BY: E. Daignault
 DATE: July 6/82
 PROJECT No. _____

Golder Associates

Hole No. 1900
 SHEET 25 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
605				B		81°														
				J ₂	Fe/W	14°														
610				B		81°														
				J ₅	N	7°		2 of these												
615				J ₂	C	7°		2 parallel ~ 5" apart												
620				B		81°														
				J ₂	C	10°	3/16"	2 parallel ~ 4" apart												

LOGGED BY: E. Dainault

DATE: July 6/82

PROJECT No. _____

Golder Associates

Hole No. 1900

SHEET 26 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / SOUCE BROKEN CORE			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15			
630				J ₂	C	8°	34°															
				B		60°																
635				J ₂	B	14°	15°															
				J ₂	B	47°																
640				B		60°																
				J ₂	B	57°	180°															
645				J ₂	C	22°																
				B		82°																
				J ₂	W	8°																
				J ₂	W	8°																
				J ₂	B	7°																
				J ₂	B	30°																
				B		80°																

LOGGED BY: L. Daignault
DATE: July 6/82
PROJECT No. _____

Golder Associates

Hole No. 1900
SHEET 27 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
655				B		69°		X-bedding											
				J ₂	W	14°													
				J ₂	W	10°													
660				J ₂	W	14°													
				J ₂	W	7°													
665				J ₂	B	12°													
				J ₂	C	7°													
670				J ₂	C	6°													

LOGGED BY: E. Drouinault
 DATE: July 6/82
 PROJECT No. _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
680				J ₂	B/W	7°		2 of these											
				B		65°													
				J ₅	W	7°													
685				J ₅	C	21°													
				J ₂	C	7°		2 of these											
				J ₂	C	9°													
690				B		76°													
695				J ₂	B	42°													
				B		76°													

LOGGED BY: E. Daigault
DATE: July 6/82
PROJECT No. _____

Golder Associates

Hole No. 1900
SHEET 29 OF _____

DEPTH	PERCENT CORE LOSS 25 50 75			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE (%) BROKEN CORE (%)			HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
				TYPE	INFILING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15				
705				J ₂	W	24°		wavy undulating bedding 2 parallel ~ 1" apart															
				J ₅	C	39°																	
				B		76°																	
				J ₂	C	24°																	
710				J ₂	C	14°		2 of these															
				J ₂	C	10°																	
715				J ₂	C	7°	165°																
				J ₂	C	8°		2 of these															
				J ₅	W	9°																	
720				B		72°																	
				J ₂	W	27°	170°																
				J ₂	B	33°																	
				J ₂	W	7°																	

LOGGED BY: E. Dignault

DATE: July 7/82

PROJECT No. _____

Golder Associates

Hole No. 1900

SHEET 30 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION	NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2		75	50	25	5
730				J ₂	B	57°		2 of these										
				J ₂	C	7°												
735				B		70°												
				B		70°												
740				J ₂	B	32°												
				J ₂	B	52°												
745				B		70°												
				J ₂	W	18°												
				J ₅	W	18°												

LOGGED BY: E. Daignault
 DATE: July 7/82
 PROJECT No. _____

Golder Associates

Hole No. 1900
 SHEET 31 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
755				B		79°		3 of these w/ 1" apart	[Dotted pattern]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]	[Grid]		
			J ₂ C		7°															
			J ₂ C		16°															
760			B		82°															
			J ₂ C		60°															
					14°															
765			J ₂ B		7°															
			B		82°															
770			J ₂ B		7°															

LOGGED BY: E. Dinnault
DATE: July 7/82
PROJECT No. _____

Golder Associates

Hole No. 1900
SHEET 32 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
780				J ₅ B		11°	110°	2 parallel ~ 1" apart 2 parallel ~ 5" apart												
785				J ₅		24°														
				C		18°														
790				J ₂	C	7°														
				B		83°														
795				J ₂	C	12°	100°													
				J ₂	C	7°														
				J ₂	C	33°														
				J ₅	W	12°	70°	2 ~ 2" apart												
				B		83°														

LOGGED BY: F. Daignault
DATE: July 7/82
PROJECT No. _____

Golder Associates

Hole No. 1900
SHEET 33 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
805'				J ₂	B	51°													
				J ₂	C	7°													
				J ₂	B	44°													
				B		78°													
810'				J ₂	C	41°													
				J ₂	B	22°													
815'				B		80°													
				B		78°													
820'				J ₂	C	33°													

sandstone & silt. inter-bedding with sandstone dominant.

LOGGED BY: E. Daignault
 DATE: July 7/82
 PROJECT No. _____

Golder Associates

Hole No. 1900
 SHEET 34 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT			
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15	
830				J ₂	B	26°		2 of these.													
				B		75°															
835				J ₂	B	7°															
				J ₂	C	17°															
840				J ₂	B	17°															
				J ₂	C	12°															
845				B		77°															
				J ₂	C	51°															

LOGGED BY: E. D. [Signature]
DATE: July 7/82
PROJECT No.

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING				4	3	2	75	50	25	5	10	15
855				B		79°		2 of these	[Dotted pattern]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	
			J ₂	C	7°														
			J ₂	C	44°														
860				B		69°		3 N. 5" apart	[Dotted pattern]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	
			J ₂	C	15°														
865				B		69°			[Dotted pattern]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]
			J ₅	C	7°														
870				J ₂	W	47°			[Dotted pattern]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]	[Vertical lines]
			B		69°														

LOGGED BY: E. Daigault
DATE: July 7/82
PROJECT No. _____

Golder Associates

Hole No. 1900
SHEET 36 OF _____

DEPTH	PERCENT CORE LOSS			FRACTURES				DESCRIPTION AND REMARKS	ROCK TYPE	GRAPHIC LOG	BRECCIA / GOUGE <input type="checkbox"/> BROKEN CORE <input checked="" type="checkbox"/>	HARDNESS			ROCK QUALITY DESIGNATION			NATURAL FRACTURE FREQUENCY PER FOOT		
	25	50	75	TYPE	INFILLING	INCLINATION	ANGLE TO BEDDING					4	3	2	75	50	25	5	10	15
880				J ₂	B	53°		rumble °° no readings possible												
			J ₂	B	29°															
885																				
890																				
895																				

LOGGED BY: E. Bergmann
 DATE: July 7/82
 PROJECT No. _____

Golder Associates

Hole No. 1900
 SHEET 37 OF _____

