

018125

CURRAGH RESOURCES INC.

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DIAMOND DRILL CORE LOG

Date: JAN 14/91

Hole Number: DY90-06

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: DY COLLAR

Claim:

Terr. Plane Co-ords.: 900100.00 N

597693.30 E

Grid Co-ords:

Elevation: 963.50

All symmetry determinations looking

Total Depth: 457.2 m

with dipping

Inclination: VERTICAL

with dip azimuth

Purpose: TO TEST ROCK QUALITY ALONG TRACE OF DY DECLINE.

Reason hole Terminated: HOLE REACHED SUFFICIENT DEPTH.

Logged by: D. HALLIWELL

Date(s) Logged: JAN 14/91

Drilling Contractor: CARON DIAMOND DRILLING

Hole Cemented: NO Steel down Hole: NO

Size CORE From To Collar Cased and Capped: NO

Assay Lab: NAL

Certificate No's: N, A.

Started: Completed:

SPERRY-SUN DRILLING SERVICES
GYROSCOPIC DIRECTIONAL SURVEY

MURRAGH RESOURCES INC.
BODY-06

CX-LB-00651
1990 11 21

TOTAL DEPTH	DIRECTION DEG	ANGLE DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0	33.3	1.22	0.00	0.00 N	0.00 E	0.00	0.00
50	42.1	1.13	49.99	0.81 N	0.62 E	0.66	0.40
100	44.2	1.55	99.98	1.66 N	1.43 E	1.31	0.84
150	41.3	1.82	149.95	2.74 N	2.42 E	2.15	0.56
200	38.9	1.50	199.93	3.85 N	3.35 E	3.02	0.65
250	34.7	1.53	249.92	4.91 N	4.15 E	3.89	0.23
300	37.8	1.28	299.90	5.90 N	4.87 E	4.70	0.52
350	32.9	1.20	349.89	6.78 N	5.50 E	5.42	0.27
400	35.5	1.25	399.88	7.66 N	6.10 E	6.15	0.15
450	17.1	1.50	449.86	8.73 N	6.61 E	7.08	1.01
500	18.2	1.50	499.85	9.98 N	7.01 E	8.22	0.06
550	6.3	1.85	549.82	11.40 N	7.30 E	9.54	0.99
600	352.9	1.92	599.80	13.04 N	7.28 E	11.14	0.89
650	348.1	2.23	649.77	14.82 N	6.98 E	12.94	0.72
700	342.2	2.20	699.73	16.69 N	6.49 E	14.87	0.46
750	336.4	2.67	749.68	18.67 N	5.73 E	16.97	1.06
800	340.6	2.97	799.62	20.95 N	4.83 E	19.40	0.73
850	337.2	3.22	849.55	23.47 N	3.86 E	22.06	0.62
900	335.5	3.55	899.46	26.17 N	2.67 E	24.96	0.70
950	337.2	3.87	949.36	29.13 N	1.38 E	28.13	0.67
1000	335.5	4.22	999.23	32.36 N	0.04 W	31.59	0.74
050	333.7	4.67	1049.08	35.85 N	1.70 W	35.36	0.94
100	331.9	5.00	1098.90	39.60 N	3.63 W	39.44	0.73
150	331.7	5.33	1148.70	43.57 N	5.76 W	43.78	0.67
200	335.8	5.93	1198.46	47.97 N	7.92 W	48.54	1.45
250	337.7	6.85	1248.15	53.09 N	10.11 W	54.01	1.88
300	340.9	7.33	1297.77	58.86 N	12.29 W	60.12	1.25
350	339.7	8.03	1347.32	65.15 N	14.54 W	66.76	1.44

THE DOGLEG SEVERITY IS IN DEGREES PER 100 FEET
THE VERTICAL SECTION WAS COMPUTED ALONG AZ. 347.42

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 66.76 FEET, IN THE DIRECTION OF AZ. 347.42

Code	From	To	Recov.	No.	Unit	Description
L	266	290		005	5B0	(5B20; 5B1) 60:30:10 Dark grey with buff-white bands/laminae subparallel S_2 . Moderately to weakly calcareous. PS_2 foliated. Silvery black and ochre (limonite) fracture surfaces. Moderately soft to hard (quartz). Very good core recovery. Good to fair RQD. Sharp upper contact with quartz vein at CA 80°. Sharp lower contact at CA 45°-60° (convolute) with chloritic unit. Carbonaceous phyllite sub-unit is dark grey, calcareous, PS_2 and CS_2 foliated, moderately soft and has silvery grey and ochre (limonite) fracture surfaces. Gradational contacts with 5B0. Siliceous phyllite sub-unit is light grey, weakly calcareous, CS_2 foliated and hard. Gradational contacts with 5B0.
L	290	294		006	5F0	Olive greenish grey. Moderately calcareous, PS_2 foliated. Olive green and ochre (limonite) fracture surfaces. Moderately hard. Very good core recovery. Fair RQD. Sharp upper contact at CA 45°-60° (convolute). Sharp lower contact at CA 80° parallel S_2 .
L	294	358		007	5B0	(5B0 → 5F0) 80:20 Light to medium grey with buff-white carbonate-quartz veinlets/bands parallel S_2/S_3 . Moderately to strongly calcareous. Strongly CS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately hard. Very good core recovery. Good RQD. Sharp upper contact parallel S_2 . Gradational lower contact. More chloritic phyllite sub-unit is olive greenish grey, CS_2 foliated. Moderately calcareous. Moderately soft. Olive green and ochre fractures. Gradational contacts with 5F0.

Code	From		To		Recov.			No.			Unit	Description	
	10	14	18	20	22	24	26	28	30	34			36
L	3.58		3.85								008	5FØ	Light olive-greenish gray with buff-white carbonate-quartz bands/laminae subparallel S_2 . Strong PS_2 and local CS_2 foliation. Silvery gray, olive green and ochre (limonite) fracture surfaces. Moderately calcareous. Moderate hardness. Very good core recovery. Good RQD. Gradational upper contacts. Sharp lower contact with chill margin of metabasite at $CA80^\circ$ (parallel S_2).
L	3.85		4.05								009	5CØ	Light olive-greenish gray with rare buff-white carbonate-quartz laminae parallel S_2 . Weak PS_2 foliation stretching dark gray anhedral (pyroxene, amphibole?) phenocrysts within groundmass in relict porphyritic igneous texture. Upper and lower chill margins exist, suggesting metabasite is a dyke. Moderately to weakly calcareous. Light olive-greenish gray and ochre (limonite) fracture surfaces. Moderately hard. Some core loss at 38.9-39.3. Fair RQD. Fairly sharp upper and lower contacts subparallel S_2 .
L	4.05		4.65								010	5FØ	→ 5DØ (5FØ1) 9Ø:1Ø Medium olive-greenish gray with white-buff laminae/bands following S_1/S_2 . Moderately calcareous. CS_2 and PS_2 foliated. Light olive-greenish gray and ochre (limonite) fracture surfaces. Moderately hard to hard (quartz). Very good core recovery. Good RQD. Fairly sharp upper contact subparallel S_2 with metabasite dyke. Gradational lower contact. Lighter olive-gray slightly more siliceous sub-unit is calcareous, slightly harder and occurs locally. With gradational contacts with 5FØ.

Core	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	4.6	5	4.7	0		011	5B0	Dark gray with wisps of buff-white carbonate-quartz laminae (following S_1 ?). Moderately to strongly calcareous. Weak PS_2 and weaker CS_2 foliation. Silvery gray to dark gray fracture surfaces. Moderately soft. Very good core recovery, R&D. Gradational upper and lower contacts.		
L	4.7	0	5.4	3		012	5C0	Medium olive-greenish gray with rare buff-white carbonate-quartz bands/laminae subparallel S_1/S_2 . Moderately calcareous. Weak PS_2 and weaker CS_2 foliation. Moderately hard. Medium olive-greenish gray and ochre (limonite) fracture surfaces. Very good core recovery, R&D. Gradational upper contact parallel S_2 . Sharp lower contact parallel S_2 . Limonite fracture zone at 49.7-49.9.		
L	5.4	3	5.7	0		013	5C04	FAULT ZONE Chlorite-clay fault gouge (sandy) with friable zone. Poor core recovery with core loss throughout. Poor R&D. Sharp upper and lower contacts.		
L	5.7	0	5.7	3		014	5C0	Medium olive-greenish gray. Moderately calcareous. Weak PS_2 foliation. Medium olive-greenish gray and ochre (limonite) fracture surfaces. Moderately hard. Very good core recovery. Good to fair R&D. Sharp upper and lower contact parallel S_2 .		
L	5.7	3	5.9	2		015	5C01 → 5F0	Light olive-gray with abundant quartz-carbonate veinlets within breccia and rare bands parallel S_2 . Moderately to weakly calcareous. Weak CS_2 foliation.		

Core No.	From	To	Recov.	No.	Unit	Description					
							1	10	14	16	20
						Moderately hard to hard (quartz, weak silicification), olive-gray and ochre (limonite) fracture surfaces. Clast-supported brecciated texture. Some relict porphyritic igneous texture. Good core recovery. Very good RQD. Sharp upper contact. Gradational lower contact. Chaotic unit of clast-supported (mega-)breccia.					
L	592	710		16	SFØ	→ SØØ (SFØ 1; SØØ) ØØ:75:5 Medium olive-greenish-gray with white-buff quartz-carbonate bands/laminae parallel S ₂ /S ₁ . Moderately calcareous. CS ₂ foliated. Medium olive-greenish-gray and ochre (limonite) fracture surfaces. Moderately hard to hard (quartz). Brecciated and limonitized near lower contact and (locally) elsewhere. Very good core recovery. Good RQD. Gradational upper contact. Sharp lower contact with metabasite at CA 75°. Lighter olive-greenish-gray, harder, less calcareous subunit. SØØ at 68.7-69.6					
L	710	851		17	SØØ #4	8Ø:2Ø Medium to dark gray with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Moderately to weakly calcareous. Weakly S ₂ foliated with rare CS ₂ foliation. Silvery gray and ochre (limonite) fracture surfaces. Moderately soft to moderately hard. Trace disseminated pyrite. Limonitized fractures at 76.7-77.2, 81.5. Very good core recovery (some core loss at 78.9-82.0). Weak brecciation at 84.3. Good RQD, generally. Sharp upper contact at CA 75°. Fairly sharp lower contact with oxidized unit subparallel S ₂ . Relict porphyritic igneous texture oxidized and dolomitized. Local olive-greenish gray more chaotic subunit is softer. Gradational contacts. Chlorite-clay gouge at 76.0					
L	851	882		18	SØØ						

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
											Yellowish-olive greenish grey. Moderately to strongly calcareous. Weak PS_2 foliation. Soft to moderately soft. Contains buff-white carbonate-quartz bands parallel S_2 . Ochre to yellowish-white fracture surfaces of limonite-clay minerals. Fair to poor core recovery (poor in friable zone at 85.2-86.4). Fair to poor RQD (poor in above-mentioned friable zone). Fairly sharp contacts parallel S_2 . Holed breccia in lower section. Oxidized-limonitic.
L	882	1075		Ø1.9	5CØ	(5CØ8; 5CØ6) 5Ø:2Ø:3Ø					Medium to dark grey, darkening downhole, with buff-white bands subparallel S_2 . Moderately to weakly calcareous. Weak PS_2 foliation and rare CS_2 foliation. Silvery to greenish grey, ochre (limonite) and apple green (epidote?) fracture surfaces. Moderately soft to hard (quartz). Locally brecciated. Trace disseminated pyrite. Weakly magnetic ^{and more magnetiferous} near lower contact. Very good core recovery, RQD. Fairly sharp upper and lower contacts parallel S_2 . Relict porphyritic igneous texture. More chloritic sub-units are olive greenish-grey, more strongly PS_2 foliated, calcareous and softer. Gradational contacts with 5CØ. Sporadically calcareous at 95.5
L	1075	1117		Ø2Ø	5C6	PYROXENITE (MAGNETIC)					Black and white euhedral to subhedral phenocrysts set within dark grey mag. groundmass. Weakly calcareous. Moderately to strongly magnetic (magnetite bands). Silvery grey and ochre (limonite) fracture surfaces. Moderately hard. Trace disseminated pyrite. Wide chill margins at upper and lower contacts. Very good core recovery, RQD. Fairly sharp upper and lower contacts parallel S_2 .

Code	From		To		Recov.			No.			Unit	Description
	10	14	18	20	22	24	26	28	30	34	38	
L	1177	1177	1140								Ø21	5CØ (5CØ8) 6Ø:4Ø
												Medium to dark grey groundmass and dark grey stretched subhedral mafic phenocrysts and rare white anhedral (leucocrine?) phenocrysts. Moderately calcareous. Weak to moderate PS ₂ foliation, followed by white buff carbonate-quartz bands/laminae parallel S ₂ . Silvery grey and ochre (yellow) fracture surfaces. Moderately hard. Very good core recovery. Good R&D. Fairly sharp upper contact subparallel S ₂ . Sharp lower contact at Ct 65°.
												More chloritic sub-unit 1a olive-greenish grey, calcareous, S ₂ foliated, softer and has olive-grey and ochre (limonite) fracture surfaces. Gradational contacts with 5CØ.
L	1140	1140	1289								Ø22	5FØ (5FØ1) 9Ø:1Ø
												Medium olive greenish grey with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Moderate to strongly calcareous. CS ₂ and PS ₂ foliated. Silvery grey, olive green and rare ochre (limonite) fracture surfaces. Moderately hard to hard (quartz). Very good core recovery. Good R&D. Sharp upper contact at Ct 65°. Gradational lower contact subparallel S ₂ . 5FØ → 5BØ near lower contact. Trace disseminated pyrite.
												Lighter olive green more siliceous sub-units are calcareous, CS ₂ and PS ₂ foliated and slightly harder. Gradational contacts with 5FØ.
L	1289	1289	1494								Ø23	5BØ (5BØ2; 5FØ → 5DØ) 60:35:5
												Light to medium grey with buff-white carbonate-quartz bands/laminae following S ₁ /S ₂ . Strongly calcareous. CS ₂ foliated. Silvery grey and rare ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24 26 28 30	34 35		
						<p>Core recovery: Good RQD. Gradational upper contact parallel S_2. Broken friable core at 146.0-146.4, sharp lower contact at $C_A 40^\circ-80^\circ$. Dark grey more carbonaceous sub-units are strongly calcareous, S_2 foliated, and softer. Dark grey and rare ochre (limonite) fracture surfaces. Gradational contacts with SBØ.</p> <p>Minor chloritic subunit at 142.2-142.4 is light olive greenish grey, calcareous, S_2 foliated, moderately soft, and has fairly sharp contacts with SBØ parallel S_2.</p>
L	149.6	150.4	Ø2.4	1ØØ	(SBØ2; SFØ) 5Ø:4Ø:1Ø	<p>Buff-white, weakly calcareous. Fresh. Hard. Very good core recovery. Good RQD. Sharp undulose upper contact at $C_A 40^\circ-60^\circ$. Weak S_2 foliation. Sharp undulose lower contact subparallel S_2 at $C_A 70^\circ-80^\circ$. Weakly carbonaceous phyllite sub-unit is medium to dark grey, calcareous, S_2 foliated, moderately soft. Silvery grey to dark grey fracture surfaces. Sharp contacts with 1ØØ.</p> <p>Olive greenish grey chloritic phyllite sub-unit is calcareous, S_2 foliated and moderately soft. Gradational contacts with SBØ2 and sharp contacts with 1ØØ.</p>
L	150.4	154.8	Ø2.5	SBØØ	(SBØ2) 9Ø:1Ø	<p>Light to medium grey with buff-white carbonate-quartz ^{laminae} bands/laminae. Allowing S_2/S_1. Moderately to strongly calcareous. Silvery grey fracture surfaces. Moderately soft to hard (quartz). Trace disseminated pyrite as euhedral cubes. Very good core recovery. Good RQD. Sharp undulose upper contact at $C_A 70^\circ-80^\circ$.</p>

CURRAGH RESOURCES INC.
Lithologic Log

Core	From		To		Recov.		No.		Unit	Description	
	10	14	18	20	22	24	26	28			30
											Sharp undulose lower contact with 100 at CA 50°-70°. More carbonaceous phyllite sub-unit is medium to dark grey with carbonate - quartz bands/laminae subparallel S ₁ /S ₂ . More calcareous and soft. Black fracture surfaces with trace graphite (at 157.3-157.4). Gradational contacts with 5BØ. Sharp contacts with quartz-carbonate bands.
L	1548	1600					026		5BØ	(100) 75:25 Light to medium grey with buff-white carbonate-quartz bands/laminae subparallel S ₂ /S ₃ . Moderately to strongly calcareous. Silvery grey fracture surfaces. Moderately soft. Good core recovery, RQD. Sharp undulose upper and lower contacts subparallel S ₂ . Trace disseminated pyrite. White-buff quartz-carbonate veins/veinlets are weakly calcareous, hard and have sharp contacts subparallel S ₂ with 5BØ.	
L	1600	1665					027		5BØ	(5BØ2) 85:15 Light to medium grey with buff-white carbonate-quartz bands/laminae subparallel S ₂ /S ₄ . Moderately to strongly calcareous. CS ₂ and PS ₂ foliated. Moderately soft. Silvery grey fracture surfaces. Very good core recovery. Good RQD. Trace disseminated pyrite. Gradational upper and lower contacts. Medium to dark grey weakly carbonaceous sub-unit is strongly calcareous CS ₂ and PS ₂ foliated, and softer. Silvery grey to dark grey fracture surfaces. Trace disseminated pyrite. Gradational contacts with 5BØ.	

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	36	
L	1665	1670		028	1PQ	(5B02; 5F0) 70:25:5 White-buff. Weakly calcareous. Weak PS_2 foliated. Hard. Contains wisps of weakly chloritic phyllite (country rock?). Good core recovery. RQD. Sharp undulose upper contact. Graphitic fault gouge at sharp lower contact. at CA 20-40° (curvilinear). Dark grey graphitic phyllite sub-unit is softer, more calcareous and has sharp contacts with 1PQ.						
L	1670	1847		029	5B0	(5F0) 98:2 Light to medium grey. Very calcareous (quickly etched by 10% HCl). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good to very good RQD. Sharp upper and lower contacts subparallel S_2 . Local light olive greenish grey S_1 foliated chloritic sub-unit at 182.2-182.3. Sharp contacts with 5B0.						
L	1847	1867		030	5B02	(5F0) 95:5 and buff-white carbonate-quartz bands/laminae following S_0/S_1 . Medium to dark grey. Very calcareous (quickly etched by 10% HCl). CS_2 foliated. Silvery and dark grey fracture surfaces. Graphitic fracture surface at 185.5-185.6. Trace disseminated pyrite. Good core recovery, RQD. Sharp upper contact at CA 70° marked by 5F0 band. Local olive greenish grey bands subparallel S_2 near upper contact (186.7-185.1. Sharp contacts with 5B02 subparallel S_2 .						

Code	From		To		Recov.	No.	Unit	Description		
	10	14	18	20					22	24
L	186	7	207	6		031	5B0	(5B6; 5F0; 10Q3) 60:30:5:5 Light to medium gray with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Strongly calcareous (quickly etched by 10% HCl). CS ₂ and locally PS ₂ foliated. Silvery gray fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts. Light to medium gray with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Weakly to non-calcareous unit, except for carbonate-bearing bands and laminae. Silvery gray fracture surfaces. Moderately soft. Gradational contacts with 5B0. Sharp contacts with 5F0 and 10Q. Medium olive-greenish gray chloritic sub-unit occurs at 191.1-191.3, 192.8-193.0 and 206.6-206.7. Moderately calcareous. PS ₂ foliated. Safer Sharp contacts with 5B0 subparallel S ₂ . White-buff-quartz-carbonate ^{subparallel} bands or veins subparallel S ₂ , notably at 192.8-193.0, 196.6. Weakly calcareous. Hard. Sharp contacts with all other units.		
L	207	6	208	2		032	5B62	(5B02) 80:20 Medium to dark gray. Moderately to weakly calcareous. CS ₂ and PS ₂ foliated. Silvery gray and black (graphite and other carbonaceous) fracture surfaces. Graphitic fault(?) gouge at 207.7-207.8. Fair core recovery. Poor RQD. Gradational contacts with 5B0 parallel S ₂ . More calcareous sub-unit occurs above fault gouge. Gradational upper contact. Sharp lower (fault) contact.		

From	To	Recov.	No.	Unit	Description						
10	14	16	20	22	24	26	28	30	34	35	
208	226		033	5B0	(100) 99:1	Light to medium grey. Strongly calcareous (quickly etched by 10% HCl acid). Buff-white carbonate-quartz bands/laminae following S_2/S_3 . Strongly CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubic crystals (≤ 1 mm) and smaller subhedral crystals following S_3 bands/laminae. Very good core recovery. Good to very good R&D. Gradational upper and lower contacts.					
					Rare quartz-carbonate vein/band subunit occurring at 229.2-229.9 is white-buff, calcareous and hard. Sharp contacts with 5B0 subparallel S_2 at $CA 30^\circ-40^\circ$.						
226	228		034	5B0	(100) 70:30	Light to medium grey with buff-white carbonate-quartz bands or veins subparallel S_2 . Strongly calcareous (quickly etched by 10% HCl acid). PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good R&D. Gradational upper and lower contacts subparallel S_2 .					
					White-buff quartz-carbonate bands or veins cutting 5B0 along undulose sharp contacts at $CA 45^\circ-90^\circ$. Sub-unit occurs at 226.7-227.0, 227.9-228.3.						
228	229		035	5B0		Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_3 . Moderately calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 5 mm). Very good core recovery. Good R&D. Gradational upper and lower contacts.					

From	To	Recov.	No.	Unit	Description						
10	14	16	20	22	24	26	28	30	34	35	
229	2359		036	5B6	(10Q; 5B6) 85:14:1 Light to medium grey with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Weakly to non-calcareous. CS ₂ and PS ₂ foliated. Silvery grey to dark grey (weakly graphitic?) fracture surfaces. Moderately soft. ^{to soft} trace disseminated pyrite ^{as peripheral cubes} . Good to fair core recovery. Fair to poor R&D. Friable broken core. Short sections (231.9-232.2, 233.3-233.6). Gradational upper and lower contacts parallel S ₂ . Flayed fault gouge at CA 70° at 235.9 (lower contact). White-buff quartz-calcinates bands and veins/veinlets. Weakly calcareous. Hard. Sharp contacts with 5B6. Rare olive greenish grey sub-unit appears very locally. Gradational contacts with other units and sub-units.						
2359	2366		037	5B0	(10Q; 5F0) 90:9:1 Light to medium grey with buff-white carbonate-quartz bands/laminae following S ₁ /S ₂ . Moderately to strongly calcareous. CS ₂ and PS ₂ foliated. Silvery grey fracture surfaces. Moderately soft. Poor core recovery, R&D. Sharp upper (fault) contact. Gradational lower contacts. White-buff hard weakly calcareous sub-unit with olive greenish wisps of chlorite. Sharp contacts with 5B0.						
2366	2390		038	5B6	Light to medium grey with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Non-calcareous outside bands/laminae. CS ₂ foliated. Moderately soft. Silvery grey on fracture surfaces. Very good core recovery. Good R&D. Gradational upper contact. Sharp lower contact with 5B6.						

From	To	Recov.	No.	Unit	Description
10 14 16	20 22 24	26 28 30	34 36		
23.9	24.1		0.3.9	SB0.1	(1000; SB20; SF0) 70:15:10:5 Light to medium grey with buff-white bands/laminae following S ₂ /S ₁ . Moderately calcareous. Silvery grey fracture surfaces. Moderately soft. Very good CR. Good R&D. Gradational upper contact subparallel S ₂ . Sharp lower contact with 1000 unit (und-lase averaging of 800). White-buff quartz-carbonate ^{± dolomite} bands or veins have yellow-orange stain. Weakly calcareous. Hard. Includes wisps of olive greenish grey chlorite. Sharp contacts. Dark grey subunit is more carbonaceous. Similar to SB0.
24.1	24.6		0.4.0	SB0.2	(SB0; 1000) 60:30:10 Medium to dark grey with buff-white carbonate-quartz following S ₂ /S ₁ . Moderately calcareous. C.S ₂ foliated. Silvery grey fracture surfaces. Moderately soft. Good core recovery. Poor R&D. Sharp upper contact subparallel S ₂ marked by quartz-carbonate bands or veins. Trace disseminated pyrite. Less carbonaceous unit is similar to SB0.2 except for colour (darker grey). Quartz-carbonate ^{± dolomite} bands or veins are white-buff, harder, weakly calcareous. Sharp contacts with SB0.2, SB0.
24.6	25.2		0.4.1	SB.6	(1000) 80:20 Light to medium grey with buff-white ^{carbonate-quartz} bands/laminae following S ₂ /S ₁ . Non-calcareous away from carbonate bands/laminae. P.S ₂ foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good R&D. Gradational upper contact subparallel S ₂ . Sharp lower contact with 1000 unit (und-lase averaging of 800). White-buff quartz-carbonate ^{± dolomite} bands or veins subparallel S ₂ . Weakly calcareous. Hard. Contains chlorite wisps. Sharp contacts (parallel S ₂) with SB6 unit.

From	To	Recov.	No.	Unit	Description
10 14 16 20 22 24 26 28 30 34 35					
254	254.5		042	100	White (quartz) with rare buff (carbonate). Weakly calcareous. Hard. Sharp undulose upper contact averaging $\alpha 80^\circ$; Sharp lower contact at $\alpha 50^\circ$.
254.5	256		043	5B6	Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_4 . Non-calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrite. Good core recovery. Fair ROD. Sharp upper contact; Gradational lower contact.
256	257		044	5B7	FAULTED Medium to dark grey (black chlorite?): Moderately calcareous. Silvery grey fracture surfaces. Very soft. Fair core recovery. Poor ROD - Broken friable core. Slightly carbonaceous fault gouges at 256.9 and at lower contact (257.3). Sharp upper and lower contacts.
257	263		045	5B0	(100%; 5B0 \rightarrow 5F0) 80:15:5 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_2/S_4 . Moderately to strongly calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Good core recovery. Fair ROD. Broken friable core at 263.0-263.4 with silvery grey fault gouge at $\alpha 45^\circ$ at 263.0. Fault gouge occurred at sharp upper contact at $\alpha 45^\circ$. Sharp lower contact parallel S_2 . Quartz-dolomite \pm calcite bands or veins are white-buff, very weakly calcareous, hard and have sharp contacts with 5B0. Contains wisps of olive green chlorite. Locally olive greenish grey sub-unit is chloritic, softer, calcareous and has sharp contact with 5B0.

Lithologic Log

Date: Jan 19/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
10	14 16	20 22 24	26 28	30 34 36	
263	268		046	5B0	(5F0) 80:20 Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1 . Moderately to strongly calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Good core recovery, RQD. Gradational upper and lower contacts. Olive green-grey chloritic subunit is calcareous, softer and forms sharp contacts with 5B0.
268	273		047	5B6	(100% 5B7) 70:25:5 Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1 . Non-calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Fair to good RQD. Gradational upper and lower contacts parallel S_2 . White-buff quartz-carbonate (dolomite±calcite) sub-unit is weakly calcareous, hard and has sharp contacts with 5B6 parallel to and cross-cutting S_2 . Black chloritic bands are non-calcareous, soft and are parallel S_2 , having gradational contacts with 5B6 and sharp contacts with 100%.
273	274.6		048	5B0	(5B02) 90:10 Light to medium grey with buff-white carbonate-quartz bands following S_2 . Moderately to strongly calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper contact, sharp lower contact at CA 75°. Dark grey weakly carbonaceous sub-unit is calcareous, moderately soft, PS_2 foliated and has gradational contacts with 5B0.

Core No.	From	To	Recov.	No.	Unit	Description							
1	10	14	16	20	22	24	26	28	30	32	34	35	
L	2,746	2,750		049	5B08	OLIVOGREENISH GREY							
						Olivogreenish grey with buff-white carbonate-quartz bands following S_2 . Moderately calcareous. PS_2 foliated. Soft to moderately soft. Olive greenish grey fracture surfaces. Weak relict porphyritic igneous texture with white anhedral (1/leucocrone?) phenocrysts set in a fine aphanitic groundmass. Very good core recovery. Good RQD. Sharp upper contact at Ct 75°. Sharp lower contact at Ct 80°.							
L	2,750	2,835		050	5B09	(100% ; 5B02) 70:27:3 PYRITIC CALCAREOUS PHYLLITE.							
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_3 . Moderately calcareous. PS_2 and (locally) CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Abundant (0.5%) disseminated pyrite as euhedral cubes (SS _{min}). Very good core recovery. Good RQD. Sharp upper contact at Ct 80°. Gradational lower contact parallel S_2 . White-buff quartz-carbonate (dolomite ± calcite) bands or veins are weakly calcareous, hard and have sharp contacts with 5B09. Contains wisps of olive greenish grey chlorite. Dark to medium grey more carbonaceous subunit is calcareous, softer and has gradational contacts with 5B09 (sharp contacts with 100%).							
L	2,835	2,879		051	5B10	(100%) 95:5 NON-PYRITIC CALCAREOUS PHYLLITE.							
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_3 . Moderately calcareous. CS_2 foliated. Moderately soft. Non-pyritic. Silvery grey fracture surfaces. Very good core recovery. Good RQD. Gradational contacts. White-buff, weakly calcareous, hard bands or veins subparallel S_2 with sharp contacts							

Core	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24	26 28 30	34 36		
L	2879	2925		052	5B09	(100%) 95:5 PYRITIC CALCAREOUS PHYLLITE Light to medium gray with buff-white carbonate-quartz bands/laminae following S ₁ /S ₂ . Moderately to strongly calcareous. CS ₂ foliated. Moderately soft. Abundant (0.3%) disseminated pyrite as euhedral cubes. Silvery gray fracture surfaces. Very good core recovery, RQD. Gradational upper and lower contacts parallel S ₂ . White-buff quartz-carbonate bands or veins subparallel S ₂ . Contains wisps of olive greenish gray chlorite. Sharp contacts with 5B09.
L	2925	2947		053	5B0	(100%) 90:10 NON-PYRITIC CALCAREOUS PHYLLITE Light to medium gray with buff-white carbonate-quartz bands/laminae following S ₂ /S ₃ . Strongly calcareous (quickly etched by 10% HCl acid). CS ₂ foliated. Silvery gray fracture surfaces. Moderately soft. Non-pyritic. Very good core recovery, RQD. Gradational upper and lower contacts parallel S ₂ . White-buff quartz-carbonate ^(calcite ± dolomite) bands or concordant veins subparallel S ₂ are weakly calcareous, hard, and contain wisps of black and olive greenish gray chlorite. Sharp contacts with 5B0.
L	2947	2972		054	5B0	(5B02) 90:10 PYRITIC CALCAREOUS PHYLLITE Light to medium gray with buff-white carbonate-quartz bands following S ₂ . Strongly calcareous (quickly etched by 10% HCl acid). PS ₂ foliated. Silvery gray fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S ₂ . Medium to dark gray with buff-white carbonate-quartz bands following S ₂ . Calcareous, PS ₂ foliated, softer more carbonaceous subunit has gradational contacts with

Core Code	From		To		Recov.		No.		Unit		Description
	10	14	18	20	22	24	26	28	30	34	
L	2972		2994				055		5809		<p>PYRITIC CALCAREOUS PHYLLITE</p> <p>Light to medium gray with buff-white carbonate-quartz bands/laminae following S_2/S_3. Very calcareous (quickly etched by 10% HCl acid). CS_2 foliated. Silvery gray fracture surfaces. Moderately soft. Abundant ($\phi 57\phi$) trace disseminated pyrite as euhedral cubes ($\leq 5mm$). Very good core recovery, RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 80° with quartz band or vein.</p>
L	2994		2999				056		100*		<p>White-buff quartz-calcite band or concordant vein parallel S_2. Very calcareous. Hard. Sharp upper contact at CA 80°. Sharp lower contact at CA 60°.</p>
L	2999		3043				057		5809		<p>PYRITIC CALCAREOUS PHYLLITE</p> <p>Light to medium gray with buff-white carbonate-quartz bands/laminae following S_2/S_3. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery gray fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes and stressed cubes (rectangular solids). Very good core recovery. Good RQD. Sharp upper contact at CA 60°. Gradational lower contact parallel S_2.</p>
L	3043		3081				058		580		<p>NON-PYRITIC CALCAREOUS PHYLLITE</p> <p>Light to medium gray with buff-white carbonate-quartz bands/laminae following S_2/S_3 and veinlets parallel CA. Moderately calcareous. PS_2 and lesser CS_2 foliated. Silvery gray fracture surfaces. Moderately soft. Rare trace disseminated pyrite. Very good core recovery, RQD. Gradational upper contact. Sharp lower contact at CA 80°.</p>

L	From			To			Recov.			No.			Unit			Description
	10	14	18	20	22	24	26	28	30	34	35					
L	3081	3085										0.59	1.0QK		White-buff. Strongly calcareous. Hard. Contains wisps of olive greenish gray chlorite. Sharp upper contact at CA 80°. Sharp broken lower contact at CA 60-80°.	
L	3085	3106										0.60	5B09	(5B02) 70:30	PYRITIC CALCAREOUS PHYLLITE Light to medium grey with buff-white carbonate-quartz bands/laminae at S ₂ /S ₁ . Moderately calcareous. CS ₂ and PS ₂ foliated. Silvery gray fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes. Very good core recovery. RQD. Sharp upper contact at CA 60-90°. Gradational lower contact. Medium to dark grey more carbonaceous subunit is calcareous, CS ₂ and PS ₂ foliated, softer and has gradational contacts with 5B0.	
L	3106	3202										0.61	5B0	(5B02:100) 90:5:5	WEAKLY-PYRITIC CALCAREOUS PHYLLITE Light to medium grey with buff-white carbonate-quartz bands/laminae at S ₂ /S ₁ . Moderately calcareous. CS ₂ and PS ₂ foliated. Silvery gray fracture surfaces. Moderately soft. Rare trace disseminated pyrite ^{near lower contact} . Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S ₂ . Medium to dark grey more carbonaceous bands are calcareous, softer and have gradational contacts with 5B0.	
L	3202	3270										0.62	5B0	(5B02:5B20) 90:5:5	NON-PYRITIC CALCAREOUS PHYLLITE Light to dark grey with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Strongly calcareous (quickly etched by 10% HCl acid). CS ₂ and PS ₂	

Case	From		To		Recov.		No.		Unit		Description	
	10	14	18	20	22	24	26	28	30	34		36
												foliated. Silvery grey fracture surfaces. Moderately hard. Non-pyritic. Good core recovery (some core loss at 320.2-322.8). Fair to poor R&D. Blocky to friable broken core and "poker chips" at 320.2-321.3, 324.6-325.1). Gradational upper and lower contacts parallel S_2 . Medium to dark grey more carbonaceous sub-units are calcareous, non-pyritic, softer and have gradational contacts with 5B0.
L	3,270		3,370				063		5B09	(5B02) 90:10	PYRITIC CALCAREOUS PHYLITE	Light to medium grey with buff-white carbonate-quartz laminae/bands at S_2/S_1 . Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes - Very good core recovery. Good R&D. Gradational upper and lower contacts parallel S_2 . Medium to dark grey more carbonaceous bands are darker, softer, pyritic, calcareous and have gradational contacts with 5B09.
L	3,370		3,419				064		5B0	(5B02) 95:5	WEAKLY PYRITIC CALCAREOUS PHYLITE	Light to medium grey with buff-white bands/laminae following S_2/S_1 . Moderately calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrite. Very good core recovery, R&D. Gradational upper contact. Sharp lower contact at $\Delta 75^\circ$. Medium to dark grey more carbonaceous bands are darker, softer, calcareous and have gradational contacts with 5B0.

Core	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	34.19	34.33				065	5B01	(100%) 70:30 Light to medium gray with buff-white bands/laminae following S_2/S_1 . Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft. Non-pyritic. Silvery gray fracture surfaces. Very good core recovery. Good R&D. Sharp upper contact at quartz-calcite band or concordant vein-parallel S_2 . Sharp lower fault contact at CA 75°. White-buff quartz-calcite bands or concordant vein parallel S_2 strongly calcareous. Hard. Contains wisps of olive green-gray chlorite. Sharp contacts with 5B01.		
L	34.33	34.68				066	5B02	(100%) 90:10 FAULTED Medium to dark gray with buff-white carbonate-quartz bands/laminae following S_2/S_1 . Moderately ^{highly carbonaceous} calcareous. $A_1 S_2$ foliated. Soft to moderately soft. Non-pyritic. Poor to fair core recovery (core loss at 34.1-34.8.5). Poor R&D. Blocky to friable broken core and minor clayey gouge. Sharp upper contact at CA 75°. Sharp lower contact at CA 80°. White-buff quartz-calcite resistant sub-units are calcareous, hard and have sharp contacts with 5B02.		
L	34.68	34.75				067	100%	White-buff-yellow quartz-calcite ± ankerite (?) band or concordant vein is strongly to weakly calcareous, hard and has sharp upper and lower contacts (CA 80°, CA 70°, respectively). Clayey fault gouge at lower contact.		

Code	From		To		Recov.		No.		Unit	Description
	10	14	18	22	26	30	34	38		
L	3475	3657					068	5B09	(5B02, 1002), 80:10:10, PYRITIC-PYRRHOTIC CALCAREOUS PHYLLITE Light to medium grey with buffwhite carbonate-quartz bands/laminae following S ₂ /S ₁ . Moderately calcareous. CS ₂ and PS ₂ foliated. Silvery grey fracture surfaces. Moderately soft. Abundant (0.5%) trace disseminated pyrite as euhedral cubes. Very good core recovery, Good RQD. Sharp upper contact at Ct 70°. Trace disseminated pyrrhotite (after pyrite?) from 352.3 down. Darker grey more carbonaceous sub-unit is calcareous, softer and has gradational contacts with 5B09. White-buff quartz-calcite bands or concordant veins parallel S ₂ are calcareous, hard and have sharp contacts with 5B09, 5B02. Contains wisps of olive-green chlorite. Largest sub-unit occurs at 362.6-363.0.	
L	3657	3660					069	5F0	Medium olive-greenish grey with carbonate-quartz bands/laminae following S ₂ /S ₁ . Moderately calcareous. CS ₂ and PS ₂ foliated. Olive green-grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at Ct 85°. Sharp lower contact at Ct 50°.	
L	3660	3674					070	5B02	Medium to dark grey with buffwhite carbonate-quartz bands/laminae following S ₁ /S ₂ . Strongly calcareous (quickly etched by 10% HCl acid). CS ₂ and PS ₂ foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Sharp upper and lower contacts both at Ct 50°.	

Core	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
L	3,674	3,677		071	5C08	Medium olive greenish gray with buff-white carbonate-quartz bands/laminae following S_2/S_4 . Moderately calcareous. Olive green-gray fracture surfaces. CS_2 and PS_2 foliated. Moderately soft. Very weak relict porphyritic igneous texture. No sulphides. Very good core recovery, R&D. Sharp upper contact at Ct 55°. Sharp lower contact at Ct 50°.
L	3,677	3,785		072	5B02 (SB0, SB20; 10Q#) 60:10:10:10	Medium to dark gray with buff-white carbonate-quartz buff-white bands/laminae following S_2/S_4 . Moderately calcareous. CS_2 and PS_2 foliated. Silvery gray fracture surfaces. Moderately soft. Trace disseminated pyrite near lower contact. Good core recovery. Fair R&D. Sharp upper and lower contacts at Ct 50°. Clayey fault gouge at Ct 80° at 375.7-375.9. Light to medium gray sub-unit is calcareous, CS_2 and PS_2 foliated, moderately soft and has gradational contacts with 5B02. Dark gray sub-unit is calcareous, CS_2 and PS_2 foliated, soft to moderately soft and has gradational contacts with 5B02. White-buff quartz-calcite bands or concordant veins are calcareous, hard, olive-green chlorite-bearing and has sharp contacts with other units subparallel S_2 .
L	3,785	3,789		073	10Q#	White-buff. Moderately calcareous, hard. Large pyrite dot (≤ 4 cm) with rim replacement by pyrrhotite. Possibly clast-supported breccia with matrix of olive green Mg-chlorite and lesser black Fe-chlorite. Sharp upper contact at Ct 50°. Sharp lower contact at Ct 80°.

Code	From	To	Recov.	No.	Unit	Description
L	37.89	39.08		074	5B02	(10Q#; 5B20) 80:15:5 Dark to medium grey with buff-white carbonate-quartz bands/laminae following S ₁ /S ₄ . Moderately calcareous. CS ₂ and PS ₂ foliated. Silvery grey to dark grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite (after pyrite?). Very good core recovery. Good RQD. Sharp upper contact at CA 60°. Sharp lower fault contact with clayey gouge at CA 70°. White-buff quartz-calcite bands or concordant veins parallel S ₂ are moderately calcareous hard and contain bands of black Fe-chlorite, locally containing pyrite and pyrrhotite. Sharp contacts with 5B02. Dark grey sub-unit is calcareous, moderately soft to soft, sulphide-bearing and have gradational contacts with 5B02 (sharp contacts with 10Q#). Silvery to dark grey fractures.
L	39.08	39.44		075	5B01	220 Light to dark grey with buff-white carbonate-quartz bands/laminae following S ₂ /S ₄ . Moderately calcareous. CS ₂ foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S ₂ . Block to dark grey sub-subunit is calcareous, CS ₂ foliated, softer and has gradational contacts with 5B01.
L	39.44	39.81		076	5C01	5C01 Light olive-greenish grey with buff-white bands/laminae following S ₂ ; Moderately calcareous. PS ₂ foliated. Moderately hard. Banded/laminated, but has relict porphyritic igneous texture with white (neucavene?) phenocrysts, especially at middle (core) of unit. Very good core recovery. Good RQD. Fairly sharp upper and lower contacts at CA 80°, CA 50° respectively.

Case	From		To		Recov.		No.		Unit	Description
	10	14	18	20	22	24	26	28		
L	3,981		4,076				077		SB02	(100#) 95:5 Medium to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1 . Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated euhedral cubic pyrite and pyrrhotite (after pyrite) up to 5mm. Very good core recovery. Good R&D. Sharp upper contact parallel S_2 . Gradational lower contact. White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard, sulphide-bearing, follow S_2 and have sharp contacts with SB02.
L	4,076		4,084				078		5C18	Light olive greenish grey with buff-white carbonate-quartz bands/laminae following S_2/S_1 . Moderately calcareous. PS_2 and CS_2 foliated. Olive green grey fracture surfaces. Moderately soft. Relict porphyritic igneous texture in centre (core) of unit. No sulphides. Good core recovery. R&D. Sharp upper and lower contacts parallel S_2 . Black Fe-ochalite band at CA 80° marks upper contact.
L	4,084		4,158				079		SB02	(100#; 5F0) 80:18:2 Medium to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1 . Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite. Very good core recovery. Good R&D. Fairly sharp upper contact parallel S_2 . Sharp lower fault contact at CA 80° marked by quartz-calcite band or concordant vein. White-buff quartz-calcite ± dolomite bands or concordant veins are moderately calcareous, hard, contain olive green-grey Mg-chalite. Sharp contacts with SB02. Similar and have gradational contacts with SB02.

Core	From		To		Recov.	No.	Unit	Description		
	10	14	18	20					22	24
L	41.58	41.94				080	SB2	(SB20) 85:15 FAULTED Dark grey with buff-white carbonate-quartz bands/laminae following S ₂ /S ₁ . Moderately calcareous. PS ₂ and CS ₂ foliated. Soft to moderately soft. Trace disseminated pyrite. Fair core recovery. Poor R&D. Friable to blocky broken core. Clayey fault gouge at sharp upper contact (at 41.80). Sharp lower contact at 41.50. Medium to dark grey sub-unit is calcareous, PS ₂ and CS ₂ foliated, Moderately soft and gradational contacts with SB2.		
L	41.94	43.28				081	SB0	(SB02) 90:10 Light to medium grey with buff-white carbonate-quartz following S ₂ /S ₁ . Moderately calcareous. Strongly CS ₂ and weakly PS ₂ foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite (later pyrite) euhedral cubes. Good core recovery. Fair R&D. Polka chip appearance (S ₂ -controlled). Gradational upper and lower contacts parallel S ₂ . Medium to dark grey sub-unit is calcareous, CS ₂ and PS ₂ foliated, softer and has gradational contacts with SB0.		
L	43.28	45.72				082	SB02	(100#; SF0) 85:14:1 Medium to dark grey with buff-white carbonate-quartz following S ₂ /S ₁ . Moderately calcareous. CS ₂ and PS ₂ foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite euhedral cubes. Very good core recovery. Good R&D. Gradational upper contact parallel S ₂ . White-buff quartz-calcite bands/veins are calcareous, hard and have sharp contacts. Olive green grey sub-unit is calcareous, softer, sulphide-bearing and has gradational contact. EOH = 457.2m.		

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10	14	16	20				
S			149	20	CS2Z	1.76 2.5 12.0	8.6 TT	
S			219	22	CS2Z	1.72 3.5 17.0	8.4 TT	
S			331	24	CS2S	0.02 2.2 0.00	8.3 TT	
S			366	26	PS2		6.6 TT	
S			410	28	PS2		5.7 TT	
S			51	32	PS2		7.3 TT	
S			58	34	CS2Z	1.72 2.7 16.9	4.5 TT	Weak S ₂ , dominant S ₁
S			59	36	CS2Z	3.5 17.1	6.0 TT	
S			643	38	CS2S	1.20 3.2 3.25	7.0 TT	
S			663	40	CS2S	1.21 2.6 1.27	7.1 TT	
S			701	42	CS2S	0.10 3.2 3.35	8.6 TT	
S			786	44	PS2		5.7 TT	
S			840		PS2		6.8 TT	
S			886		PS2		8.0 TT	
S			926		PS2		6.9 TT	
S			999		PS2		7.2 TT	
S			1070		PS2		9.0 TT	
S			1113		PS2		8.9 TT	
S			1197		CS2Z	0.18 5.0 2.1	7.8 6.1 TT	
S			1251		CS2Z	1.73 4.2 0.00	6.1 TT	
S			1306		CS2Z	1.60 2.4 3.26	7.4 TT	
S			1338		PS2		8.0 TT	
S			1370		CS2S	0.27 4.8 0.41	6.9 TT	
S			1479		PS2		6.3 TT	
S			1507		CS2S	1.60 2.0 0.30	6.2 TT	
S			1592		CS2S	0.19 0.5 0.55	5.7 TT	
S			1605		CS2S	1.48 2.2 1.70	5.6 TT	
S			1702		PS2		8.8 TT	
S			1765		PS2		8.9 TT	
S			1811		CS2Z	0.16 2.5 1.63	8.3 TT	
S			1837		CS2S	0.27 8.6 1.20	7.7 TT	
S			1893		CS2S	0.15 3.0 0.00	7.5 TT	
S			1961		CS2S	0.12 3.5 3.20	6.5 TT	
S			2005		CS2Z	0.25 2.6 1.62	7.1 TT	
S			2107		CS2Z	0.25 2.2 2.98	7.1 TT	
S			2166		CS2Z	0.27 3.3 2.02	7.7 TT	

Code	From		To		Feature	E ₃	L ₃		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S			217	26	CS, ZZ		052	62	235	66			
S			223	3	CS, ZS		066	54	055	79			
S			229	3	CS, ZZ		178	27	149	66			
S			237	4	CS, ZS		166	70	017	73			
S			240	1	PS, Z					86			
S			242	3	PS, Z					67			
S			250	0	PS, Z					73			
S			251	7	PS, Z					70			
S			261	1	PS, Z					88			
S			266	7	PS, Z					75			
S			272	0	CS, ZZ		016	23	108	53			
S			276	1	CS, ZS		062	64	025	73			
S			283	7	CS, ZS		040	33	215	65			
S			284	0	CS, ZS		010	43	350	57			
S			290	3	CS, ZS		159	42	340	57			
S			298	7	CS, ZS		010	44	353	69			
S			305	9	CS, ZZ		077	67	170	81			
S			311	7	CS, ZS		022	32	018	74			
S			314	8	CS, ZS		176	52	022	68			
S			322	4	CS, ZZ		000	54	207	67			
S			328	7	CS, ZS		160	62	350	63			
S			331	8	CS, ZS		143	59	318	67			
S			336	6	CS, ZS		025	38	348	68			
S			341	3	PS, Z					75			
S			350	1	PS, Z					72			
S			352	7	CS, ZZ		021	17	090	82			
S			356	7	CS, ZZ		173	24	021	71			
S			367	7	CS, ZZ		079	39	083	83			
S			368	7	CS, ZZ		005	24	005	80			
S			376	5	CS, ZS		020	38	013	71			
S			379	3	CS, ZS		074	37	350	57			
S			386	7	PS, Z					76			
S			395	0	PS, Z					70			
S			398	0	PS, Z					72			
S			406	7	PS, Z					74			
S			410	7	PS, Z					66			

Fault Log

Date: Jan. 17/91 Logged By: D. Halliwell

Code	FROM		TO (At)		Feature	REC	UPPER Dip Direct		INTERNAL Dip Direct		LOWER Dip Direct		Description
	10	14	16	20			22	24	28	28	32	34	
F			3,15		1,8,G		3,2	2,3,5					limonite-clay minor fault, little gouge
F			3,43		1,8,G		7,8						limonite-clay minor fault, little gouge
F	4,57		4,61		1,8		4,3	0,5,2					clay-limonite minor fault, No gouge
F	4,77		4,79		1,8,G		4,7						limonite-clay minor fault, some gouge
F	5,48		5,70		3,8,G		2,8	0,3,6					friable zone of broken rock containing sandy chloritic fault gouge at 56.5-57.0. Slickensides at upper contact 005°/87°. Fairly major fault.
F			7,60		1,G		8,2						Limonitic-clay gouge. Squashed by d...
F	8,52		8,64		2,B,G		5,7		5,5				Limonitic-clay broken rock, gouge
F	1,460		1,465		2,B,G		4,9				5,8		Weakly graphitic gouge within broken rock
F	1,512		1,514		1,8,G		6,4						Weakly graphitic gouge within broken rock
F	1,544		1,548		1,G		4,5						Weakly graphitic gouge
F	1,669		1,670		2,G		8,2				6,0		
F	1,855		1,857		2,G		4,2	0,8,0					Weakly graph. Lack of confidence in 1880
F	1,906		1,908		1,G		0,7						
F	2,077		2,079		1,8,G		8,3				7,7		Weakly graphitic & limonitic
F	2,432		2,435		2,B		5,0				6,0		
F	2,564		2,573		2,B,G		5,5				3,4		Clayey silvery gray gouge.
F	2,629		2,632		1,8,G		7,9				6,3		Clayey silvery gray gouge.
F	2,683		2,686		1,8		5,6						Clayey broken rock
F	3,433		3,468		4,B		6,8				8,0		Broken friable to blocky core. No gouges seen.
F	3,757		3,759		1,8,G		0,7						Clayey gouge.
F	4,056		4,058		1,8		7,6				7,5		Broken core. No gouge.
F	4,157		4,164		2,B,G				7,5				Broken core. Clayey gouge
F	4,176		4,182		1,8		7,7				7,7		Broken core. No gouge.
F	4,185		4,195		2,B		4,2				5,0		Broken core. No gouge.
F	4,265		4,267		1,8		4,6				8,8		Clayey gouge.

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90 DY - 06

Units: Feet / Metres

Date: Jan 14/91

Logged By: DRH/RW

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Run (Length)	TCR (Length)	ROD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES <small>w.r.t. CA</small>																Core Size	Comments		
						0-30				30- 65 65				50-70				65- 90 90							
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type				
CASING TO		18.2																			CASING O/R				
13.6	0.65	0.1	R4	7	2	1	11	10.0	J	0	-	-	-							10	17	10.0	S	BQ	
14.9	1.4	0.2	R2	6	2	3	9	10.0	J	0	-	-	-							24	12	6.0	S	7	
15.5	0.6	0.1	R2	4	2	2	14	10.0	J	1	16	10.0	J							71	12	3.0	S		
18.0	2.5	0.35	R2	6	2	1	14	10.0	J	1	16	10.0	J							54	12	3.0	S		
20.3	2.2	0.7	R2	6	2	1	14	10.0	J	2	16	10.0	J							34	12	3.0	S		
23.3	3.1	1.1	R2	6	2	1	16	10.0	J	2	14	10.0	J							50	12	3.0	S		
26.2	2.7	0.9	R2	6	2	1	14	10.0	J	2	13	10.0	S							48	12	3.0	S		
29.0	2.9	0.9	R3	7	2	1	12	10.0	J	1	14	10.0	J							47	10	3.0	S		
32.0	3.1	1.1	R2	8	3	2	11	6.0	J	1	12	10.0	J							46	10	3.0	S		
35.1	3.0	1.1	R2	7	3	2	14	10.0	J	3	15	10.0	S							34	13	3.0	S		
38.1	2.9	1.3	R2	8	1	2	16	10.0	J	1	16	10.0	J							33	12	3.0	S		
39.8	1.7	0.2	R3	6	3	4	13	6.0	J	3	12	6.0	J							27	12	6.0	S		
42.4	2.7	1.9	R3	10	1	3	16	6.0	J	1	14	10.0	J							18	10	10.0	S		
45.4	3.0	1.5	R2	9	2	3	13	6.0	J	3	16	10.0	J							17	13	6.0	S		
48.5	3.1	2.4	R2	8	2	2	16	10.0	J	2	16	10.0	J							17	14	6.0	S		
51.5	3.0	1.8	R3	9	3	1	14	10.0	J	3	18	10.0	J							18	12	6.0	S		
54.6	3.1	2.4	R3	12	1	2	16	10.0	J	2	14	10.0	J							17	13	6.0	S		
57.0	1.3	0	R1	2	4	5	14	6.0	J	5	8	6.0	J							27	11	3.0	S	fault gouge, friable zone	
57.5	0.4	0	R2	4	3	2	8	6.0	J	1	10	10.0	J							7	10	5.0	S		
60.7	3.2	3.0	R3	10	2	1	15	10.0	J	0	-	-	-							11	13	10.0	S		
63.7	3.0	2.5	R3	9	2	0	-	-	-	3	15	10.0	J							19	14	6.0	S		
66.8	3.0	2.4	R3	10	2	0	-	-	-	1	14	10.0	J							17	12	6.0	S		
69.8	3.0	1.9	R2	8	1	0	-	-	-	1	16	10.0	J							30	14	3.0	S		
71.6	1.9	1.0	R2	7	2	2	14	10.0	J	3	13	10.0	J							15	12	10.0	S		
72.8	1.3	0.3	R2	6	3	1	16	10.0	J	2	16	10.0	J							12	14	10.0	S		
75.9	3.0	2.6	R3	9	1	1	16	10.0	J	1	16	10.0	J							15	13	10.0	S		
78.9	3.1	1.9	R3	8	3	2	17	10.0	J	1	15	10.0	J							20	13	6.0	S		
82.0	2.7	2.0	R3	8	3	1	14	10.0	J	2	14	10.0	J							19	12	6.0	S		
85.0	3.1	2.1	R3	8	2	4	15	10.0	J	4	16	10.0	J							18	12	6.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-06

Units: Feet Metres

Date: JAN 14/91

Logged By: DRH/RW

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Run (Length)	TCR (Length)	ROD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0-30				30- 50 65				65-90				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
86.1	1.1	0.1	R2	4	4	2	15	6.0	J	4	12	3.0	JSD					10	11	6.0	S	BQ	minor limonitic fault gouge.
88.1	1.9	0.9	R3	5	4	2	16	6.0	J	2	18	6.0	J					16	14	8.0	S		
91.1	3.0	1.4	R3	10	3	3	16	6.0	J	2	14	10.0	J					9	12	9.0	S		
94.2	3.0	2.7	R4	14	1	0	-	-	-	0	-	-	-					9	12	10.0	S		
97.2	3.0	2.4	R4	12	2	1	12	10.0	J	0	-	-	-					12	12	10.0	S		
100.3	3.0	2.6	R4	14	1	0	-	-	-	0	-	-	-					17	12	6.0	S		
102.7	2.3	0.7	R4	10	2	0	14	10.0	J	0	-	-	-					29	12	6.0	S		
105.9	3.1	2.5	R4	10	1	0	-	-	-	2	14	10.0	J					22	11	6.0	S		
109.1	3.2	2.3	R4	17	2	0	-	-	-	2	15	10.0	J					21	11	6.0	S		
112.3	3.1	2.6	R5	12	2	0	-	-	-	2	9	10.0	J					20	12	10.0	S		pyroxenite
115.5	3.1	2.2	R4	10	2	3	14	8.0	J	3	18	10.0	J					14	12	10.0	S		
118.6	3.0	1.3	R2	9	1	3	15	10.0	J	2	16	10.0	J					18	12	9.0	S		
121.6	3.0	2.3	R2	11	1	1	16	10.0	J	1	16	10.0	J					22	12	6.0	S		
124.7	3.1	1.7	R2	9	1	1	16	10.0	J	2	14	10.0	J					34	13	6.0	S		
127.7	3.0	1.3	R2	7	1	0	-	-	-	2	15	10.0	J					37	13	6.0	S		
130.8	3.1	1.6	R2	7	2	1	15	10.0	J	1	17	10.0	J					45	12	6.0	S		
133.8	3.0	0.6	R2	6	2	0	-	-	-	1	16	10.0	J					57	12	6.0	S		
136.9	3.0	0.6	R2	6	1	0	2	16	J	0	-	-	-					47	11	6.0	S		
139.9	3.0	1.4	R2	8	1	0	-	-	-	0	-	-	-					30	12	6.0	S		
143.0	3.0	0.8	R2	7	1	0	-	-	-	2	16	10.0	J					45	13	6.0	S		
146.6	2.6	0.1	R2	6	2	1	18	10	J	1	15	10.0	J					50	13	6.0	S		
148.9	3.1	0.35	R3	7	2	0	-	-	-	8	8	8.0	JRG					33	12	6.0	S		minor gouge at 148.5.
152.1	3.2	1.5	R2	6	2	1	8	10.0	S	4	12	10.0	S					49	12	3.0	S		minor graphitic gouge.
155.1	3.0	0.6	R3	7	1	0	-	-	-	1	14	10.0	J					34	12	8.0	S		
156.2	1.1	0.3	R2	7	1	0	-	-	-	2	16	10.0	J					34	12	6.0	S		
158.2	1.8	0.9	R2	7	1	1	18	10.0	J	2	12	10.0	S					36	12	6.0	S		
161.2	3.1	1.2	R2	6	1	1	16	10.0	J	4	13	10.0	S					45	13	3.0	S		
164.3	3.0	1.6	R2	6	1	1	16	10.0	J	4	13	10.0	S					42	13	3.0	S		
167.3	3.0	1.2	R2	6	1	1	16	10.0	J	6	12	10.0	S					47	13	3.0	S		
170.4	2.9	1.2	R2	8	1	0	-	-	-	1	14	10.0	J					39	12	3.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90 DY - 06

Units: Feet / Metres

Date: JAN 18 91

Logged By: DRH/RW

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Run (Length)	TCR (Length)	ROD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0-30				30- 65 65				65-90				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
173.4	3.0	1.5	R2	8	1	0	-	-	-	1	8	10.0	G					31	12	6.0	S	B0	minor gauge
176.5	2.9	1.6	R2	8	1	1	18	10.0	J	0	-	-	-					28	12	6.0	S	7	
179.5	3.0	1.6	R2	7	1	1	14	10.0	J	0	-	-	-					31	12	6.0	S		
182.6	3.0	1.9	R2	7	1	1	15	10.0	J	2	18	10.0	J					29	12	6.0	S		
185.6	2.9	1.2	R2	6	1	0	-	-	-	4	14	10.0	JXG					35	12	6.0	S		
188.7	3.0	0.8	R2	6	1	1	10	10.0	J	0	-	-	-					39	12	3.0	S		
191.7	3.0	0.3	R2	6	1	2	14	10.0	J	2	14	10.0	JXG					51	13	3.0	S		minor gauge (split)
194.8	3.0	0.75	R2	5	1	1	16	10.0	J	3	16	10.0	J					46	15	3.0	S		
197.8	3.0	1.6	R2	6	1	2	15	10.0	J	2	16	10.0	J					37	12	6.0	S		
200.9	3.0	1.3	R2	7	1	0	-	-	-	1	14	10.0	J					38	12	6.0	S		
203.9	3.0	1.7	R2	7	1	0	-	-	-	0	-	-	-					30	12	6.0	S		
207.0	3.0	0.75	R2	6	1	0	-	-	-	0	-	-	-					52	13	6.0	S		
210.0	3.1	1.4	R2	7	1	0	-	-	-	1	6	10.0	G					52	12	6.0	S		chloride-clay gauge
213.1	2.9	1.2	R2	8	1	1	16	10.0	J	0	-	-	-					40	13	3.0	S		
216.1	3.0	1.4	R2	6	1	0	-	-	-	3	14	10.0	J					45	12	3.0	S		
219.2	3.0	1.9	R2	8	1	0	-	-	-	1	16	10.0	J					29	13	6.0	S		
222.2	2.9	1.45	R2	7	1	0	-	-	-	0	-	-	-					32	12	6.0	S		
225.2	3.1	1.6	R2	8	1	1	16	10.0	J	5	14	10.0	S					28	12	6.0	S		
228.3	3.1	1.0	R2	6	1	0	-	-	-	4	15	10.0	J					38	13	3.0	S		
231.3	3.0	0.3	R2	6	1	1	16	10.0	J	2	16	10.0	J					60	13	3.0	S		
233.6	2.4	0.8	R2	5	1	2	15	10.0	J	4	14	10.0	S					28	13	6.0	S		
236.8	3.2	1.4	R2	7	1	0	-	-	-	1	14	10.0	J					41	14	3.0	SXG		incl. minor clay gauge
240.0	3.2	1.5	R2	8	1	1	8	10.0	J	3	14	10.0	J					48	13	3.0	S		
243.2	3.1	1.2	R2	6	1	0	-	-	-	4	12	10.0	J					48	13	3.0	S		
243.5	0.2	0	R2	2	2	3	16	6.0	J	2	15	6.0	J					6	14	3.0	S		
246.1	2.3	1.3	R2	8	1	0	-	-	-	2	14	10.0	S					14	12	6.0	S		
249.3	3.0	1.0	R2	7	1	0	-	-	-	6	18	10.0	J					44	12	3.0	S		
252.5	3.1	1.9	R2	8	1	1	15	10.0	J	1	14	10.0	J					24	13	10.0	S		
255.7	3.1	1.4	R3	8	1	0	-	-	-	3	14	10.0	J					27	13	10.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-06

Units: Feet / Metres

Date: Jan 20/91

Logged By: DRH/RW

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Run (Length)	TCR (Length)	ROD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w/r CA																Core Size	Comments
						0-30				30-65				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
256.9	1.2	0.1	R2	4	1	3	15	10.0	J	2	14	10.0	J					25	13	6.0	S	BQ	
260.3	3.3	1.1	R2	6	1	1	15	10.0	J	3	14	10.0	JFC					46	13	3.0	S		slaty grey clayey gouge
263.5	3.1	1.0	R2	2	1	2	14	10.0	J	3	13	10.0	JZG					41	14	3.0	S		
266.7	3.0	1.0	R2	7	1	3	16	10.0	J	3	15	10.0	J					41	13	3.0	S		
268.8	2.2	0.8	R2	7	1	1	15	10.0	J	4	14	10.0	J					25	10	6.0	S		
271.0	2.0	0.8	R2	7	1	0	-	-	-	5	15	10.0	J					21	12	6.0	S		
274.0	3.1	1.2	R2	8	1	1	14	10.0	J	2	13	10.0	J					41	12	3.0	S		
277.1	3.1	0.6	R2	6	1	2	16	10.0	J	3	14	10.0	J					48	12	3.0	S		
279.2	2.0	0.5	R2	6	1	2	14	10.0	J	2	13	10.0	J					50	13	3.0	S		
282.4	3.1	0.9	R2	7	1	0	-	-	-	1	13	10.0	J					47	13	3.0	S		
285.4	3.1	2.2	R2	8	1	0	-	-	-	3	14	10.0	J					27	13	6.0	S		
288.6	3.0	2.3	R2	8	1	0	-	-	-	2	15	10.0	J					30	13	6.0	S		
291.8	3.1	2.4	R2	10	1	0	-	-	-	2	14	10.0	J					24	12	6.0	S		
295.0	3.1	2.2	R2	9	1	1	13	10.0	J	2	16	10.0	J					23	12	6.0	S		
298.2	3.1	1.8	R2	10	1	0	-	-	-	2	13	10.0	S					38	12	6.0	S		
301.4	2.9	2.0	R2	10	1	1	15	10.0	J	2	13	10.0	S					19	11	10.0	S		
304.5	3.0	2.5	R2	10	1	0	-	-	-	0	-	-	-					17	12	10.0	S		
307.5	3.0	2.2	R2	10	1	0	-	-	-	0	-	-	-					27	11	6.0	S		
310.6	3.0	2.2	R2	9	1	0	-	-	-	1	12	10.0	J					24	13	6.0	S		
313.6	3.0	2.1	R2	8	1	0	-	-	-	0	-	-	-					21	12	6.0	S		
316.7	2.9	1.3	R2	7	1	0	-	-	-	1	12	10.0	S					36	12	6.0	S		
319.7	3.0	0.5	R2	6	1	0	-	-	-	2	12	10.0	S					42	12	3.0	S		
320.2	0.4	0	R2	4	1	1	14	10.0	J	0	-	-	-					15	12	3.0	S		
322.8	2.6	0	R2	6	1	1	14	10.0	J	0	-	-	-					94	12	3.0	S		
325.8	2.9	1.2	R2	7	1	0	-	-	-	5	14	10.0	J					46	13	3.0	S		
328.9	3.1	0.7	R2	6	1	0	-	-	-	3	14	10.0	J					50	14	3.0	S		
331.9	3.0	2.0	R2	7	1	0	-	-	-	3	14	10.0	J					30	13	6.0	S		
333.0	3.0	1.1	R2	7	1	0	-	-	-	1	16	10.0	J					46	12	3.0	S		
	3.0	1.0	R2	8	1	0	-	-	-	2	16	10.0	J					44	12	3.0	S		
	2.9	2.0	R2	9	1	0	-	-	-	2	14	10.0	J					31	12	6.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

39A.8 cont'd
Between
5F₂ 5C₀
oil

DDH#

90DY-06

Units: Feet / Metres

Date: Jan. 20/91

Logged By: DRH/RW

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Run (Length)	TCR (Length)	ROD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES <i>w.r.t. CA</i>																Core Size	Comments
						0-30				30- 60 65				60-90				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Fough	Alt	Type	No	Fough	Alt	Type		
344.1	3.0	1.3	R2	5	1	1	14	10.0	J	2	14	10.0	J					25	11	6.0	S	BQ	
345.8	1.8	0	R1	2	2	4	8	10.0	J	1	8	10.0	J					50	8	3.0	S		
347.0	1.2	0	R1	4	2	2	8	10.0	J	5	8	10.0	S					50	0	3.0	S		
350.2	3.2	1.0	R2	7	1	1	15	10.0	J	2	13	10.0	J					39	12	3.0	S		
353.3	3.05	2.45	R2	12	1	0	-	-	-	1	16	10.0	J					14	12	10.0	S		
356.3	3.1	2.4	R2	11	1	0	-	-	-	4	15	10.0	S					22	14	8.0	S		
359.4	3.05	2.35	R3	10	1	1	16	10.0	J	3	14	10.0	J					28	12	6.0	S		
362.4	3.2	2.0	R3	11	1	0	-	-	-	0	-	-	-					4	14	10.0	S		
363.0	0.6	0.5	R2	11	1	0	-	-	-	1	14	10.0	J					21	14	8.0	S		
365.5	2.4	1.4	R2	10	1	0	-	-	-	1	14	10.0	J					20	13	8.0	S		
368.5	3.1	2.5	R2	11	1	0	-	-	-	2	8	10.0	S					25	13	8.0	S		
371.1	2.65	1.8	R2	8	1	0	-	-	-	2	14	10.0	S					35	13	6.0	S		
371.7	0.35	0.4	R2	7	1	0	-	-	-	0	-	-	-					8	14	0.0	S		
372.8	1.15	0.35	R2	8	1	0	-	-	-	1	17	10.0	J					18	14	6.0	S		
376.0	3.3	0.5	R2	6	1	2	15	10.0	J	1	11	10.0	S					59	13	3.0	S		
377.6	1.9	1.1	R2	11	1	0	-	-	-	0	-	-	-					19	14	6.0	S		
380.7	3.1	1.75	R2	12	1	0	-	-	-	1	15	10.0	J					30	14	6.0	S		
383.7	2.46	0.9	R2	9	1	0	-	-	-	1	11	10.0	S					29	13	6.0	S		
386.8	3.1	1.0	R2	9	1	0	-	-	-	2	13	10.0	S					38	14	4.0	S		
389.8	3.1	1.35	R2	7	1	0	-	-	-	2	16	10.0	S					38	13	4.0	S		
392.9	3.05	2.4	R2	9	1	1	13	10.0	J	2	11	10.0	J>G					48	12	3.0	S		clayey gouge
395.9	3.05	1.3	R3	10	1	1	14	10.0	J	0	-	-	-					34	13	4.0	S		
399.0	3.05	1.8	R3	11	1	1	18	10.0	J	3	19	10.0	J					25	14	8.0	S		
402.0	3.1	2.3	R2	13	1	1	15	10.0	J	0	-	-	-					22	14	8.0	S		
405.0	3.2	1.4	R2	10	1	0	-	-	-	0	-	-	-					41	12	3.0	S		
410.7	2.35	0.5	R2	10	1	5	16	10.0	J	2	18	10.0	J					64	12	3.0	S		
413.9	3.26	1.4	R2	9	1	1	15	10.0	J	1	14	10.0	J					52	12	3.0	S		
416.1	2.5	0.5	R2	8	1	2	15	10.0	J	2	16	10.0	J					36	13	6.0	S>G		clayey fault gouge?
417.7	1.5	0.1	R2	4	1	2	11	10.0	J	0	-	-	-					26	12	8.0	S>G		clayey fault gouge?
418.8	1.2	0.1	R2	6	1	1	10	6.0	J	1	14	6.0	J					26	12	8.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-06

Units: Feet / Metres

Date: Jan. 21/91

Logged By: DRH/RW

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES W.P.T. CA												Core Size	Comments			
						0-30				30-65				65-90								
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type					
422.0	3.4	2.05	R2	12	1	1	15	10.0	J	2	15	10.0	J					36	12	6.0	S	BQ
423.5	2.5	0.7	R2	9	1	1	17	10.0	J	2	14	10.0	J					32	12	6.0	S	
426.4	2.8	0.5	R2	8	1	1	17	10.0	J	5	15	10.0	J					57	13	3.0	S	
427.2	1.7	0.9	R2	7	1	1	15	10.0	J	0	-	-	-					27	13	0.0	S	
430.4	3.1	0.4	R2	8	1	0	-	-	-	6	13	10.0	J					68	12	3.0	S	
433.6	3.45	1.5	R2	9	1	1	16	10.0	J	0	15	10.0	J					23	12	6.0	S	
436.8	3.3	2.3	R2	12	1	0	-	-	-	1	14	10.0	J					82	12	6.0	S	
438.6	2.95	0.4	R2	8	1	1	14	10.0	J	8	14	10.0	S					30	13	6.0	S	
441.7	4.05	2.0	R2	11	1	0	-	-	-	1	14	10.0	S					27	13	6.0	S	
444.7	3.2	1.8	R2	10	1	0	-	-	-	1	12	10.0	S					18	12	6.0	S	
447.8	4.05	2.5	R2	11	1	1	18	10.0	J	4	16	10.0	J					29	12	4.0	S	
450.8	3.0	1.1	R2	10	1	0	-	-	-	0	-	-	-					38	14	3.0	S	
453.2	2.4	0.7	R2	10	1	0	-	-	-	10	13	10.0	S					25	12	6.0	S	
455.4	3.1	0.5	R2	11	1	2	14	10.0	J	3	18	10.0	J					23	12	6.0	S	
457.2	2.1	0.6	R2	9	1	1	15	10.0	J	4	18	10.0	S					43	12	3.0	S	