015173

SPERRY-SUN DRILLING SERVICES

CURRAGH RESOURCES INC.
91DY-01

1991 01 26
CX-LB-10076B

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0.00	89.65	4.08	0.00	0.00	0.00	0.00	0.00
50.00	89.63	34.42	50.00	0.28 N	0.10 E	0.13	0.38
100.00	89.43	44.49	100.00	0.59 N	0.37 E	0.17	0.43
150.00	89.47	15.61	150.00	0.99 N	0.60 E	0.30	0.55
200.00	89.35	32.72	199.99	1.46 N	0.82 E	0.48	0.42
250.00	89.20	30.82	249.99	1.99 N	1.15 E	0.64	0.30
300.00	89.27	6.94	299.98	2.61 N	1.37 E	0.93	0.65
350.00	89.00	349.41	349.98	3.36 N	1.33 E	1.50	0.75
400.00	88.65	320.59	399.97	4.24 N	0.87 E	2.45	1.35
450.00	88.55	317.82	449.95	5.17 N	0.07 E	3.67	0.24
500.00	88.42	314.02	499.94	6.11 N	0.85 W	4.99	0.33
550.00	87.75	310.19	549.91	7.23 N	2.10 W	6.66	1.36
600.00	86.75	312.43	599.85	8.82 N	3.89 W	9.05	2.01
650.00	86.08	313.39	649.75	10.99 N	6.13 W	12.17	1.39
700.00	85.60	313.26	699.62	13.53 N	8.72 W	15.79	1.02
750.00	85.00	312.92	749.45	16.33 N	11.72 W	19.88	1.20
800.00	84.87	309.54	799.26	19.23 N	15.04 W	24.28	0.65
850.00	84.48	314.16	849.04	22.33 N	18.49 W	28.91	1.15
900.00	84.53	310.74	898.81	25.56 N	22.02 W	33.68	0.66
950.00	84.30	311.81	948.57	28.77 N	25.67 W	38.53	0.51
1000.00	83.80	312.87	998.30	32.26 N	29.50 W	43.70	1.02
1050.00	83.40	313.91	1047.99	36.09 N	33.55 W	49.27	0.83
1100.00	82.75	313.96	1097.63	40.28 N	37.89 W	55.29	1.30
1150.00	82.58	312.00	1147.22	44.63 N	42.56 W	61.67	0.60
1200.00	82.50	313.06	1196.80	49.01 N	47.34 W	68.14	0.32
1250.00	82.67	314.62	1246.38	53.48 N	52.00 W	74.59	0.52
1300.00	82.87	314.72	1295.98	57.91 N	56.47 W	80.89	0.40
1350.00	82.83	316.33	1345.59	62.35 N	60.83 W	87.11	0.41
1400.00	82.50	318.47	1395.18	67.05 N	65.15 W	93.49	0.86
1440.00	81.97	320.18	1434.81	71.15 N	68.67 W	98.88	1.45

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET
THE VERTICAL SECTION WAS COMPUTED ALONG 316.01x (TRUE)

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE DISPLACEMENT IS 98.88 FEET, IN THE DIRECTION OF 316.01x (TRUE)

DY PROJECT - DEVIATION ANALYSIS

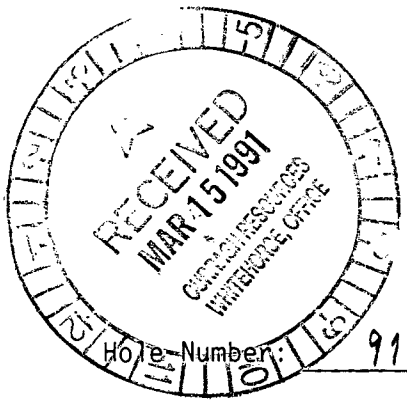
J. ZBEETNOFF
91DY-01

TOTAL DEPTH	DIRECTION DEG	ANGLE DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0	0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00
100	32.0	0.80	159.98	0.94 N	0.61 E	0.45	0.50
268	20.6	0.60	267.96	2.10 N	1.22 E	1.08	0.28
400	324.0	0.87	399.98	3.56 N	0.87 E	2.48	0.56
530	327.0	1.50	529.95	5.76 N	0.63 W	5.18	0.49
630	323.0	3.05	629.87	9.00 N	2.95 W	9.14	1.56
770	319.0	4.75	769.54	16.35 N	8.99 W	18.61	1.23
910	317.0	5.45	908.98	25.59 N	17.33 W	30.90	0.52
1029	322.0	6.25	1027.38	34.83 N	25.17 W	42.93	0.80
1280	325.0	7.00	1276.69	58.26 N	42.14 W	71.84	0.35
1410	330.0	7.40	1405.66	72.09 N	50.75 W	88.12	0.49
1580	326.0	10.50	1573.57	94.27 N	65.12 W	114.54	1.88
1756	328.0	11.80	1746.26	122.83 N	83.58 W	148.55	0.66
1825	324.5	12.30	1813.73	134.86 N	91.49 W	162.95	1.54
1876	330.0	12.70	1863.52	144.14 N	97.44 W	173.97	2.46
1976	335.0	12.70	1961.06	163.62 N	107.58 W	195.92	1.10

THE DOGLEG SEVERITY IS IN DEGREES PER 100 FEET
THE VERTICAL SECTION WAS COMPUTED ALONG AZ. 328.67

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE DISPLACEMENT IS 195.92 FEET. IN THE DIRECTION OF AZ. 328.67

Single shot



CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Mar. 1/91

Hole Number: 91DY-Ø1

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: C ZONE

Claim: _____

Terr.Plane Co-ords.: 9ØØ594.5Ø N

597466.ØØ E

Grid Co-ords: _____

Elevation: 1Ø93.2Øm.

All symmetry determinations looking

Total Depth: 644.Øm.

_____ with _____ dipping

Inclination: VERTICAL AT COLLAR

_____ with dip azimuth _____.

Purpose: TO DRILL TEST C ZONE

Reason hole Terminated: DRILLING PROBLEMS

Logged by: D.R. Halliwell

Date(s) Logged: Mar 1/91

Drilling Contractor: Coren Diamond Drilling

Hole Cemented: _____ Steel down Hole: _____

Assay Lab: N.A.L.

Certificate No's: _____

CORE

Size	From	To	
HQ	Ø.Ø	5.5	
NQ	5.5	11.Ø	RECORED
NQ	11.Ø	443.8	
BQ	443.8	611.Ø	REDUCED (DRILLING PROBLEMS)

Collar Cased and Capped: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 91.DY.-Ø1

Date: Mar. 1/91 Logged By: JZ/DH

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2–8	10–16	17–24	25–32	34–39	41 42	
T	91DY-Ø1	1Ø93.2Ø	9ØØ594.5	597466.Ø	METRES	S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2–8	10–14	22–26	28–32	34–56
R			.	.	AT COLLAR
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2–8	10–56

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 91DY-01 (2 – 8)

Date: Mar 1/91 Logged By: JZ/DH

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 – 8	10 – 16	17 – 24	25 – 32	34 – 39	41 42	
T	91DY-01	1093.20	900594.5	597466.0	METRES	52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 – 8	10 – 14	22 – 26	28 – 32	34 – 56
R			.	.	AT COLLAR
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 – 8	10 – 56

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	00	55		001	5C8	(100D0) 99:01 HQ CORE Blue-green (chloritized) f.g.-m.g. phaneritic to porphyrytic metabasite containing 40% grey f.g. subhedral calcic plagioclase, 30% f.g. subhedral pyroxene→chlorite, 20% dark green-black m.g. subhedral amphibole→chlorite, 5% white-grey f.g. anhedral quartz, and pinkish-white f.g. subhedral K-spar. Massive (No S_2 overprint). Moderately calcareous. Green-grey-black fracture surfaces. Some white (clay mineral), ochre (limonite) fracture surfaces. Cross-cut by off-white quartz-calcite veinlets at all CA angles. Moderately soft to soft. No sulphides. Perrasive chloritization. Good to fair core recovery. Most core loss at 0.0-1.9 (approx. 1.0m). Fair to poor RQD. Blocky to rubbly core at 0.0-1.9. Blocky core at 3.5-3.7, 5.3-5.5. No core below 5.5.
L	55	61		002	5C8	? CASING. No core.
L	61	110		003	5C8	NQ CORE (RECORED?) Blue-green (chloritized) f.g.-m.g. phaneritic to porphyrytic metabasite with same mineralogy as above. Massive to weakly PS_2 foliated. Moderately calcareous. Green-grey-black fracture surfaces. Cross-cut by off-white quartz-calcite veinlets at all CA angles. Moderately soft to soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky core at 6.1-6.5, 7.6-8.1, 9.0-10.0, 10.4-11.0. No core above 6.1 NQ core below 11.0. Takes on weak PS_2 and lesser CS_2 foliation down-section
L	110	175		004	5C8	NQ CORE. (100#) 90:10

DDH 92DY-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 1/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Olive green-grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyrytic igneous texture. Weak S_2 +/- S_1 overprint as off-white, olive chlorite laminae/bands following $S_2 \pm S_1/S_2$. Chloritized mafics (amphiboles, pyroxenes). Moderately calcareous. PS_2 foliated to massive (locally, CS_2 foliated). Green-grey (chlorite) and ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. Good core recovery. Fair to poor RQD. Blocky core at 11.4-11.8, 12.4-14.2, 15.4-16.0, 17.0-17.2. Limonitic-clay fault gouge at CA60° at 14.8 (2.0cm. wide). Sharp lower contact at CA80°.
L	175	191		005	5C8	1→5F0 (5F0) 90:10
						Olive green-grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyrytic igneous texture. Weak S_2 overprint, as off-white quartz-calcite laminae, bands parallel S_2. Moderately calcareous. PS_2 foliated to massive. CS_2 foliated at 18.6-18.8, 18.9-19.1. Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA45°. Moderately hard at 18.4-18.6.
						Olive grey weakly chloritic phyllite at 18.6-18.8 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, has olive silvery grey S_2 fracture surfaces and sharp contacts with 5C0.
						Black f.g. subhedral amphiboles oriented parallel S_2 at 17.1-17.5. No fuchsite.
L	191	196		006	5F0	→ 5C0 (5E0) 90:10
						Olive grey weakly chloritic phyllite with 10% off-white quartz-calcite laminae/beds following S_2, S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Olive

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar 1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 45°. Sharp lower contact at CA 80°.
4	196	215		007	5C87	(5C87→5D0 : 5D0) 40:35:25 Olive green-grey v.f.g. aphanitic metabasitic groundmass, white f.g.-v.f.g. anhedral (leucoxene?) phenocrysts, and black m.g.-c.g. subhedral (amphibole?) porphyryoblasts oriented parallel S_2. Strong S_2 overprint as off-white quartz-calcite laminae, beds parallel S_2 and mafic (amphibole?) porphyryoblasts oriented parallel S_2. Moderately calcareous. Pervasive to banded chloritization. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°. Relict porphyrytic-metamorphic texture. Olive-green grey CS_2 foliated sub-units at 19.7-19.6, 19.8-20.2, 20.8-21.5 are moderately calcareous, moderately soft, and have sharp contacts with 5C87 parallel S_2. Pervasive and banded chloritization. Olive-grey weakly chloritic phyllite with 10% off-white quartz-calcite laminae/beds following $S_1, S_2/S_2$ are moderately calcareous, CS_2 foliated, moderately soft and have sharp contacts with 5C87 parallel S_2
1	215	229		008	5C8	→5F0 Olive green-grey v.f.g. aphanitic plagioclase-pyroxene metabasite groundmass, off-white f.g. anhedral (leucoxene?) phenocrysts and black-dark green m.g.-c.g. subhedral amphibole porphyryoblasts oriented following S_1, S_2. Strong S_1, S_2 overprint. Moderately calcareous. CS_2 and PS_2 foliated. Olive grey S_2 fracture surfaces. Moderately soft. Relict porphyritic igneous texture. No sulphides. Very

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good core recovery. Fair RQD. Blocky core at 21.55-21.6, 22.7-22.9. Sharp upper contact at CA 80°. Sharp lower contact at CA 70°
L	22.9	25.4		00.9	5FØ	→5C8 (5FØ→5DØ: 1ØQ#) 5Ø:4Ø:1Ø Olive green-grey weakly chloritic phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Weak relict igneous texture, with white f.g. anhedral (leucoxene?) and black f.g. subhedral (amphiboles, pyroxenes?) phenocrysts. Moderately calcareous. PS_2 foliated. Olive-grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery, RQD. Some ochre (limonite) S_2 fracture surfaces (surface oxidation). Sharp upper, lower contacts at CA 70°. Blocky to rubbly core at 25.3-25.4. Olive green chloritic phyllite with 10% off-white quartz-calcite laminae, beds following $S_1, S_2/S_2$ at 23.4-24.4 are moderately calcareous, CS_2 foliated, moderately soft and have sharp contacts parallel S_2. White-grey quartz-calcite concordant band (bed? vein?) at 22.9-23.1 are very calcareous, hard, and have sharp contacts with 5FØ→5C8, 5FØ→5DØ.
L	25.4	27.Ø		01.Ø	5FØ	→5BØ (1ØQ#) 9Ø:1Ø Olive grey slightly chloritic phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive, ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Good to fair RQD. Blocky core at 25.5-25.8, 26.8-27.Ø. Gradational upper contact parallel S_2. Sharp lower contact at CA 80°. White-grey quartz-calcite concordant bands (beds? veins?) at 26.2-26.3, 26.7-26.8 are very calcareous, hard, and have sharp contacts with 5FØ→5BØ.

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar-1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35 5C7
L	27Ø	298		Ø11	5C8 →	(5FØ: 1ØQ#: 5EØ) 5Ø: 4Ø: 1Ø: TRACE
						Light olive-grey v.f.g. aphanitic plagioclase-pyroxene metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. (amphibole?) phenocrysts within relict weakly porphyritic igneous texture. Pervasive chloritization. S_2 overprint as off-white quartz-calcite and olive green chlorite laminae, bands parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey (chloritic) and ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good core recovery. Blocky core at 28.9-29.1, 29.3-29.5. Sharp upper contact at CA 8Ø°. Convolute sharp lower contact at CA ØØ°-4Ø°.
						Olive grey weakly chloritic phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$ at 27.6-28.Ø, 28.8-29.3 are moderately calcareous, CS_2 foliated, moderately soft, have olive silvery grey S_2 fracture surfaces and have sharp contacts with 5C8→5C7.
						White-grey quartz-calcite concordant band (bed? vein?) at 29.3-29.8 sub-parallelling S_2 are very calcareous, hard, and have sharp contacts with 5C8→5C7, 5EØ.
						Blue-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with other units
L	298	356		Ø12	5BØ2	(1ØQ#: 5EØ) 68: 3Ø: Ø2
						Dark grey slightly carbonaceous phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$ and quartz-calcite veinlets crosscutting S_1, S_2 at CA Ø°-3Ø°. Moderately calcareous. PS_2 and CS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. No sulphides. Very good core recovery. Good RQD. Convolute sharp upper contact at CA 6Ø°-9Ø°. Sharp lower contacts at CA 7Ø°. Blocky core at 33.5-33.6.

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						White-grey-ochre quartz-calcite-limonite concordant bands (beds? veins?) subparallelling S_2 at 29.9-30.3, 30.7-31.3, etc. are very calcareous, limonitized, hard and have sharp contacts with 5BØ2. At 30.2-30.3, 31.5-31.6 contains xenoliths of 5C8→5DØ chloritic metabasite.
						Blue-grey phyllitic marble interbeds, interlaminae at 33.Ø, etc. are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ2.
L	35 6	36 5		Ø13	100#	(5BØ2:5DØ) 65:3Ø:Ø5
						White-grey±ochre quartz-calcite±limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, have white±ochre S_2 fracture surfaces, contain clasts of 5DØ chloritic phyllite, and have sharp contacts with other units.
						Dark grey weakly carbonaceous phyllite with 10% off-white quartz-calcite laminae/beds following S_1, $S_2//S_2$ are moderately calcareous, moderately soft to soft, has dark silvery grey S_2 fracture surfaces, and have sharp contacts with 100#.
L	36 5	40 7		Ø14	5BØ	(5BØ2:5EØ:100#) 5Ø:45:Ø3:Ø2
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, $S_2//S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact, convoluted at Ct 60°-90°. Sharp lower contact, convoluted at Ct 30°-70°.
						Darker grey slightly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft to soft, and have gradational contacts with 5BØ.
						Blue-grey phyllitic marble interbeds, interlaminae following S_2 are very cal-

DDH 91-DY-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						caceous, moderately soft, and have fairly sharp contacts with 5BØ, 5BØ2. White-buff ochre quartz-calcite ± limonite concordant bands (beds? veins?) sub-parallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5EØ,
L	40.7	42.7		ØØ15	5BØ2	BLOCKY TO RUBBLY.
						Dark to medium grey slightly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky core throughout. Rubbly core at 40.7, 40.9–41.2, 41.9–41.4, 42.6–42.7. Convolute sharp upper contact at CA30°–70°. Sharp lower contact at CA80°.
L	42.7	43.1		Ø1.6	5BØ	
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Blocky core at 42.8. Sharp upper contact at CA80°. Fairly sharp lower contact parallel S_2.
L	43.1	43.7		Ø1.7	5EØ	(5BØ) 6Ø:4Ø
						Blue-grey phyllitic marble interbeds, Very calcareous. CS_2 and PS_2 foliated. Bluish grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite beds along laminae, beds parallel S_2. Very good core recovery. Good RQD.

DDH 91DY-01 (2 8)

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Blocky core at 43.2. Fairly sharp upper/lower contacts parallel S_2. Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5E0.
L	43.7	50.7		01.8	5B0	(5B02:5E0) 70:25:05 Light to medium phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Late quartz-calcite veinlets cross-cutting S_1, S_2 at CA 0°-30°. Very good core recovery. Good RQD. Fairly sharp upper contact parallel S_2. Gradational lower contact parallel S_2. Darker more carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft to soft, and have gradational contacts with 5B0. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 3B0, 5B02.
L	50.7	51.2		01.9	10Q#	(5C8→5F0) 65:35 White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts at CA 70° (upper), CA 50° (lower). Olive grey chloritic metabasite (→phyllite) at 50.7-50.9 is moderately calcareous, massive to PS_2 foliated, moderately soft. Olive grey S_2 fracture surfaces. Relict porphyritic igneous texture with weak S_2 overprint (rare quartz-calcite laminae parallel S_2). Very good core recovery. Good RQD.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	51.2	58.2		Ø.2Ø	5BØ → 5BØ2	(5EØ:1ØØ#) 9Ø:Ø5:Ø5 Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Very calcareous (quickly etched by 1Ø% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Minor healed oligomict, clast-supported breccia at 54.7. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds at 53.3, 57.5 etc. are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ→5BØ2 parallel S_2. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 at 51.4, 51.6-51.7, 51.8-52.1 are very calcareous, hard, and have sharp contacts with 5BØ→5BØ2, 5EØ.
L	58.2	58.7		Ø21	5EØ	(5BØ) 55:45 Bluish-grey phyllitic marble with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Very calcareous. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Light to medium grey phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Gradational contacts with 5EØ.
L	58.7	72.8		Ø22	5BØ	(1ØØ#:5EØ) 88:1Ø:Ø2

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately to strongly calcareous (locally, quickly etched by 10% HCl acid). Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Fair core recovery. (2.3 m core loss at 66.1-68.7, 0.2m core loss at 71.7-71.9. Fair to poor RQD. Blocky to rubbly core at 59.6-59.9, 62.5-63.0, 64.7-65.3, 65.7-65.9, 66.1-68.9, 71.5-72.0. Gradational upper contact parallel S_2, sharp lower contact at CA 60°.
						White-grey ± ochre bull quartz-calcite ± limonite concordant bands at 70.8-71.1, 71.4-71.5, etc. are very calcareous, hard, and have sharp contacts with 5B0, 5E0.
						Bluish-grey phyllitic marble interbeds, interlaminae parallel S_2 are very calcareous, moderately soft, and have fairly sharp contacts parallel S_2.
L	72.8	73.2		0023	100#	
						White-grey ± ochre bull quartz-calcite-limonite concordant bands (beds? veins?) sub-parallelling S_2 are very calcareous, hard, massive-fractured, has white-ochre fracture surfaces, and have sharp upper (CA 60°), lower (CA 50°) contacts
L	73.2	75.5		0024	5B0	BLOCKY TO RUBBLY.
						Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_1, S_2. Moderately calcareous. PS_2 to CS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core at 73.2-74.1, 74.5-75.1, 75.3-75.5. Gradational upper, lower contacts parallel S_2.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	7.55	8.46		Ø25	5BØ	(100#: 5EØ) 90:05:05
						Light to medium grey phyllite with 20% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_1, S_2$. Moderately calcareous. CS_2 to PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core at 77.4–78.Ø, 79.6–79.9, 82.Ø–82.1, 83.1–83.6. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ. Contain Mg-chlorite phyllitic xenoliths.
						Bluish-grey phyllitic marble interbeds throughout the unit are very calcareous, moderately soft, and have fairly sharp contacts with other units.
L	8.46	9ØØ		Ø26	5BØ	(5EØ) 85:15 MARBLY BANDS
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone beds/laminae following $S_1, S_2/S_2$. Moderately calcareous. PS_2 and CS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Blocky to rubbly core at 87.4–87.5. Gradational upper, lower contacts parallel S_2.
						Bluish-grey phyllitic marble interbeds parallel S_2 are very calcareous, PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
L	9ØØ	12Ø3		Ø27	5BØ	(5BØ 2: 5EØ: 1ØØ#) 50:40:05:05

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Blocky core at 110.5-110.8, 119.0-119.3. Gradational upper, lower contacts parallel S_2.
						Darker slightly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 & PS_2 foliated, moderately soft to hard, and have gradational contacts with 5BØ.
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, CS_2 to PS_2 foliated, and have fairly sharp contacts with 5BØ, 5BØ2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallel to S_2 are very calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5EØ.
4	120.3	121.2		Ø28	100#	
						White-grey-green bull quartz-calcite concordant bands (beds? veins) sub-parallelling S_2 are moderately calcareous, hard, contain chloritic phyllite and carbonaceous phyllite xenoliths, and have sharp upper (convoluted @ Ø°-9Ø°), lower (@ 6Ø°) contacts. Very good core recovery. Good RQD.
4	121.2	134.1		Ø29	5BØ	(5EØ:100#) 9Ø:Ø5:Ø5
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery

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Code	From	To	Recov.	No.	Unit	Description
						grey and rare ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Blocky to rubbly core at 133.6-133.8. Gradational upper, lower contacts parallel S_2. Clayey gouge at 133.5.
						Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and fairly sharp contacts with 5BØ.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ.
L	1341	1345		Ø3Ø	5BØ2	RUBBLY ZONE. Dark to medium grey weakly carbonaceous phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 to PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Soft. No sulphides. Good core recovery. Poor core recovery. Rubbly core throughout. Sharp upper, lower contacts at CA 9Ø°.
L	1345	1635		Ø31	5BØ	(5EØ: 1ØQ#) 9Ø:Ø5:Ø5 Light to medium grey phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-2mm dia.) pyrite within quartz-calcite pods along bands parallel S_2; some replacement by pyrrhotite. Very good core recovery. Good RQD. Blocky core at 143.2-143.3, 152.?, 157.6, 162.0-162.5. Gradational upper contact parallel S_2. Minor healed oligomict clast-supported breccias at 157.3, 163.Ø. Sharp lower contact at CA 8Ø°.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ.
L	163.5	164.3		ØØ32	10Øff	(5BØ) 7Ø:3Ø White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, have chloritic phyllite xenoliths, and have sharp contacts with 5BØ. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA8Ø°, CA5Ø°; respectively. No sulphides. Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Sharp contacts with 10Øff.
L	164.3	170.4		ØØ33	5BØ	(5BØ2:3EØ) 5Ø:45:Ø5 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Blocky core at 167.4-167.6, 167.8-168.Ø. Rubbly core at 168.3-168.5. Sharp upper contact at CA5Ø°. Sharp lower contact at CA8Ø° Darker, more carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous. CS_2 and PS_2 foliated, moderately soft to soft, and have gra-

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					dational contacts with 5BØ.
					Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts.
1704	1706		Ø34	3EØ	(5BØ) 6Ø:4Ø
					Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, have bluish-grey S_2 fracture surfaces, are moderately soft, and have fairly sharp contacts with 5BØ. Very good core recovery. Good RQD. Fairly sharp contacts parallel S_2.
					Light to medium grey phyllite interbeds following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, have silvery grey S_2 fracture surfaces, are moderately soft, and have gradational contacts.
1706	1721		Ø35	5BØ	(100#) 9Ø:1Ø
					Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2 and late quartz-calcite veinlets at 0Ø°-2Ø°. Moderately calcareous, CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
					White-grey-cream bull quartz-calcite-dolomite concordant bands (beds? veins?) subparallel to S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ.
1721	1739		Ø36	5BØ2	BLOCKY & RUBBLY & GOUGE. (100#$) 85:15

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From	To	Recov.	No.	Unit	Description
					Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Fair to poor core recovery (0.5 m core loss at 172.4-172.8, 173.3-173.7). Poor to fair RQD (Rubbly core at 172.1-172.8, 173.3-173.7. Gradational upper, lower contacts parallel S_2. Clayey fault gouge (0.1m. wide) at 172.7-172.8 at α 35°.
					White-grey-cream bull quartz-calcite-dolomite concordant bed (bedding?) at 173.0-173.1 subparallelling S_2 are moderately to weakly calcareous, hard, and have sharp contacts with 5B0.
1739	1855		037	5B0	(5F0:5B02) 90:05:05
					Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately to strongly calcareous (locally, quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Trace euhedral-cubic pyrite within quartz-calcite beds along bands parallel S_2. Rare pyrrhotite? & euhedral-cubic pyrite pseudomorphs.
					Olive grey slightly chloritic phyllite at 184.4-184.8 are moderately calcareous, CS_2 and PS_2 foliated, olive silvery grey S_2 fracture surfaces, and have gradational contacts with 5B0.
					Darker grey weakly carbonaceous phyllite interbeds, interlaminae parallel S_2 are moderately calcareous, moderately soft to soft, have dark silvery grey and rare (183.5) black (graphitic) S_2 fracture surfaces, and have gradational contacts with 5F0, 5B02.

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
1855	1879		038	5BØ	→5FØ (5EØ) 9Ø:1Ø Olive grey to light grey weakly chloritic (locally) phyllites with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ~~olive~~ S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, have blue-grey S_2 fracture surfaces and have fairly sharp contacts with 5BØ-5FØ parallel S_2.
1879	1920		039	5BØ	(5EØ:5FØ) 9Ø:Ø6:Ø4 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-3 cm. dia.) pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ. Olive grey chloritic phyllite at 1881 is moderately calcareous, soft and has fairly sharp contacts with 5BØ.
1920	1924		040	5FØ	(100#) 7Ø:3Ø Olive grey weakly chloritic phyllite has 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2, is moderately calcareous, is PS_2 and CS_2

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					foliated, has olive silvery grey S_2 fracture surfaces, is moderately soft, and has gradational upper and lower contacts parallel S_2. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, contain phyllite xenoliths, and have sharp contacts with 5FØ.
L 1,92.4	1,93.5		Ø41	5BØ	
					Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 \| S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
L 1,93.5	1,95.4		Ø42	5FØ	&1 (5F7) 8Ø:2Ø
					Olive green-grey weakly chloritic phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 \| S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft to moderately hard (194.2-194.9). No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
					Banded-chloritic phyllite variant at 194.8-195.4 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and has gradational contacts with 5FØ&1.
L 1,95.4	21,ØØ		Ø43	5BØ	(5BØ2:5EØ:1Ø(#) 5Ø:3Ø:12:Ø8
					Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 \| S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					pyrite within quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$; occasional pyrrhotite as pseudomorphs, after pyrite. Very good core recovery. Good RQD. Gradational upper contact // S_2. Sharp lower contact (@85°) by late quartz-calcite veinlets at @ 0°-40°.
					Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft to soft and have gradational contacts with 5BØ.
					Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ, 5BØ2.
					White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2 & 5EØ.
4 21 ØØ	21 Ø4		Ø441	ØØ#	(5DØ : 5B2) 70:20:10
					White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5DØ, 5B2 (xenoliths). Very good core recovery, RQD. Sharp upper contact at @ 85°. Sharp lower contact at @ 7Ø°.
					Olive green chloritic phyllite xenoliths of country rock incorporated into 1ØØ# are moderately calcareous, moderately soft, and have sharp contacts with 1ØØ#.
					Dark grey carbonaceous phyllite xenoliths of country rock incorporated into 1ØØ# are moderately calcareous, soft, and have sharp contacts with 1ØØ#.
21 Ø4	21 53		Ø45	5BØ	(5EØ : 1ØØ#) 85:10:05
					Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good

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From	To	Recov.	No.	Unit	Description
(10–14)	(16–20)	(22–24)	(26–28)	(30–34)	(35)
					core recovery. Good RQD. Sharp upper contact at CA70°. Sharp lower contacts at CA75°. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 (0.5-2.0cm wide) are moderately calcareous, CS_2 and PS_2 foliated, and have fairly sharp contacts with 5BØ. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5BØ, 5EØ.
215.3	215.9		ØA6	5BØ2	(100#) 6Ø:4Ø Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds parallel S_2. Moderately calcareous. PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Vuggy (2-5cm dia) with limonite stain (weathered out sulphides?). Good core recovery. Fair RQD. Rubbly core at 215.6-215.9. Sharp upper contacts at CA75°. Sharp lower contacts at CA65°. White-grey bull quartz-calcite concordant bands (beds? veins?) are moderately calcareous, hard, and have sharp contacts with 5BØ2. Vuggy (2-5cm dia vugs) with limonite stain (weathered out sulphides?).
215.9	219.2		ØA7	5BØ	Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2 and lite quartz-calcite wirelets at CAØ°-3Ø°. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Sharp upper contacts at CA65°. Gradational

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						lower contacts parallel S_2. Occasional ochre (limonite) S_2 fracture surfaces.
L	2192	2196		048	5B02	BLOCKY & RUBBLY.
						Dark to medium grey slightly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Poor RQD. Rubbly core throughout. Gradational upper, lower contacts parallel S_2
L	2196	2227		049	5B0	
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
L	2227	2229		050	5F0	→5B0
						Olive grey slightly chloritic phyllite with 7% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at 85°.
L	2229	2242		051	5C0	→5C8.

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar. 4/91 Logged By: D. Hallinan

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Olive grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture, S_2 overprint as off-white quartz-calcite bands, laminae parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 80°. Upper, lower chill margins (dyke, not a sill?).
4 224.2	224.8		052	5FØ	(5EØ) 50:50
					Olive grey weakly chloritic phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 // S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°.
					Bluish-grey phyllitic marble interbeds at 224.4, 224.6-224.8 are very calcareous, CS_2 and PS_2 foliated, moderately soft and have fairly sharp contacts with 5FØ.
4 224.8	227.Ø		053	5CØ	→5C8 (5C7) 70:30
					Olive grey v.f.g. aphanitic plagioclase-pyroxene(→chlorite) metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture, S_2 overprint as off-white quartz-calcite laminae, bands parallel S_2. Moderately calcareous, PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°. Upper, lower chill margins (dyke, not a sill?)

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 4/91 Logged By: D. Halliwell

Code	From (10–14)	To (16–20)	Recov. (22–24)	No. (26–28)	Unit (30–34)	Description (35)
						Banded chloritic metabasite variant occurs near upper contact (224.8–225.2).
L	2270	2273		054	5FØ	
						Olive grey weakly chloritic phyllite with 10% off-white quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Gradational lower contact parallel S_2.
L	2273	2365		055	5BØ	(5BØ2) 65135
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 // S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2; some rim, core replacement by pyrrhotite. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Darker, slightly carbonaceous phyllite interbands, interlaminae following S_1, S_2 are moderately calcareous. CS_2 and PS_2 foliated, moderately soft, and gradational contacts with 5BØ.
L	2365	2368		056	5B46	LIMONITIC
						Medium grey ochre limonitized phyllite with 20% off-white quartz-calcite siltstone laminae/beds parallel S_2. Weakly calcareous. PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contacts parallel S_2. Sharp lower contact at CA 70°.

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 4/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
2368	2381		057	5C0	(1QQ) 90:10 Olive-grey v.f.g. aphanitic plagioclase-pyroxene(→chlorite) metabasite groundmass, white f.g. aphanitic (leucoxene?) phenocrysts and black f.g.-m.g. (amphibole?) porphyroblasts (elongate parallel S_2) within relict porphyritic or porphyroblastic igneous-metamorphic texture. Strong S_2 overprint, as white-grey bull quartz bands parallel S_2 (1-5cm. wide, spaced Ø.1m. apart). Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA7Ø°. Sharp lower contact at CA8Ø°. White-grey bull-quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5CØ.
2381	2388		058	5F4$	(5B4→5F4) 6Ø:4Ø Yellowish-green grey weakly chloritic ± sericitic phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA8Ø°. Grey weakly chloritic phyllite variant at 238.3-238.6 were moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5F4.
2388	2414		059	5C7	Olive grey v.f.g. aphanitic (plagioclase-pyroxene?) metabasite groundmass, white

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar. 4/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole?) porphyroblasts (elongate parallel S_2) within relict porphyritic igneous texture (new metamorphic texture). Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces; some ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 60°. S_3 overprints as olive chloritic bands parallel S_2.
4 2414	2430		060	5F.71	
					Olive green weakly chloritic phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft to moderately hard (siliceous). No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 60°. Gradational lower contact parallel S_2.
4 2430	2470		061	5B.0	(5E.0) 70:30
					Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-2cm dia.) pyrite within quartz-calcite pods along beds parallel S_2; pyrrhotite locally pseudomorphs pyrite. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
					Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 at 243.6-243.8, 244.5, 244.6, 245.0-245.1; 246.1, 246.4, 246.5, 246.6, 247.0 are

DDH 92DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar 4/92 Logged By: D. Hallivell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					very calcareous (rapidly etched by 10% HCl acid), CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5B0.
247.0	259.2		062	5B0	(5E0; 10@#) 92:04:04 Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper/lower contacts parallel S_2.
					Bluish-grey phyllitic marble interlaminar/interbeds following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts.
					White-grey ± ochre buff quartz-calcite ± limonite concordant band (bed? vein?) at 248.8-249.1 are moderately calcareous, hard, and have sharp contacts.
259.2	260.5		063	5C0	→5C8 (5F0→5F8) 5P-5P Olive grey v.f.g. aphanitic plagioclase-pyroxene(→chlorite) metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole?) phenocrysts within v.l.c. porphyritic igneous texture. Weak S_2 overprint as off-white quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA 70°. Upper, lower chill margins (dyke, not a sill?)
					Olive grey, CS_2-foliated weakly chloritic phyllite at 259.2-259.4

DDH 91DV-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar. 4/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						260.2-260.5 are moderately calcareous, moderately soft and have sharp contacts with 500 → 508 (gradational contacts with 5B0).
L	2605	2674		064	5B0	(5B02:5E0) 60:35:05
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower fault gouge contact at CA 15°.
						Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5B0.
						Blush-grey phyllitic marble interbeds, interlaminae (1-2cm. wide) are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts.
L	2674	2693		065	5B02	BLOCKY & RUBBLY & GOUGE
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. Good core recovery. Poor RQD. Blocky to rubbly core at 268.0-269.0. Sharp upper fault gouge at CA 15°. Sharp lower fault gouge at CA 10°. Clayey gouges < 1.0cm. wide.

DDH 2LDY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar. 4/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	2693	2700		066	5B0	→ 5F0 (5E0) 90:10
						Olive grey weakly chloritic phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous, CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper fault gouge contact at CA10°. Sharp lower contact at CA80°
						Bluish-grey interbeds (2695, etc.) 10cm. wide of phyllitic marble are very calcareous, moderately soft, and have fairly sharp contacts.
L	2700	2726		067	5C0	→ 5C8
						Olive grey r.f.g. aphanitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weak S_2 overprint, with off-white quartz-calcite laminae, bands parallel S_2. Very good core recovery, RQD. Sharp upper contact at CA80°. Sharp lower contact at CA70°. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides.
	2726	2734		068	5F7	
						Banded chloritic phyllite is olive-grey, CS_2 and PS_2 foliated, moderately soft, has olive silvery grey S_2 fracture surfaces. Moderately calcareous. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA70°. Sharp lower contact at CA80°.

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec. 4/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
2	273.4	273.8		Ø69	5CØ	→5C8 (5FØ) 75:25 Olive grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral Camphibole, pyroxene? phenocrysts within relict porphyritic igneous texture. S_2 overprint as off-white, quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA65°.
						Olive-grey CS_2 foliated chloritic phyllite at 273.7-273.8 is moderately calcareous, moderately soft, and has sharp contact with 5CØ→5C8, gradational contact with 5BØ→5FØ.
2	273.8	275.3		ØJØ	5BØ	→5FØ (5EØ) 8Ø:2Ø Light to medium grey ± olive (chlorite) phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA70°.
						Bluish-grey phyllitic marble at 274.3-274.5 is very calcareous (rapidly etched by 10% HCl acid), CS_2 and PS_2 foliated, moderately soft, have bluish grey S_2 fracture surfaces, and has fairly sharp contacts with 5BØ→5FØ.
4	275.3	281.5		Ø71	5CØ	→5C8 (5CØ→5C7: 5BØ→5F) 7Ø:2Ø:10 Olive grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture.

DDH 91DY-Ø1

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar. 4/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						Weak S_2 overprint, as off-white quartz-calcite bands, laminae parallel S_2. Plagioclase-pyroxene (±chlorite) groundmass. Moderately calcareous. PS_2 foliated to massive. Grey ± olive S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA7Ø°. Sharp lower contact at CA65°. Upper chill margin. Lower chill margin apparently not present (Exotic 5BØ→5FØ piece of core at 28Ø.4-28Ø.6; piece of core may not be in correct place, but no alternate location exists).
						Banded-chloritic metabasite variant at 279.9-28Ø.4 is moderately calcareous, moderately soft and has gradational contacts with 5CØ→5C8.
						Weakly chloritic phyllite at 58Ø.4-58Ø.6 occurs as one (out of place) piece of core. Unit is moderately calcareous, CS_2 foliated and has sharp contacts with 5CØ→5C8, 5CØ→5C7.
L	2815	2824		Ø72	5BØ	→5F7
						Light to medium grey phyllite with weak chloritic banding and off-white 2Ø% quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA65°. Sharp lower contact at CA6Ø°.
L	2824	2845		Ø73	5C8	
						Olive grey v.f.g. aphanitic plagioclase-pyroxene (±chlorite) metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. S_2 overprint, as off-white quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated

DDH 91DY-01

CURRAGH RESOURCES INC.

Lithologic Log

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					and massive; locally CS_2 foliated. Olive-grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 60°. Sharp lower contact at CA 60°.
2845	2850		0074	5EØ	(5BØ→5FØ) 7Ø:3Ø
					Blue-grey phyllitic marble. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Bluish-grey S_2 surface fractures. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 60°. Gradational lower contact parallel S_2.
					Grey ± olive very weakly chloritic phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5EØ.
2850	2869		0075	5BØ	(5EØ) 7Ø:3Ø
					Light to medium grey phyllite with 7% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
					Bluish-grey phyllitic marble interbeds, interlaminae (Ø.Ø5-3.Ø cm. wide) following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
2869	2872		0076	5EØ	(5BØ) 8Ø:2Ø

DDH 91D.Y-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 4/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Bluish-grey phyllitic marble. Very calcareous (quickly etched by 10% HCl acid), CS_2 and PS_2 foliated. Bluish-grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Gradational upper, lower contacts parallel S_2.
						Grey phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft, and have gradational contacts with 5EØ.
	288.2	290.5		Ø77	5BØ	(10Q#: 5EØ) 95:Ø5:TRACE
						Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within euhedral-cubic quartz-calcite pods along bands parallel S_2; same pyrrhotite pseudomorphs of pyrite. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparalleling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ. Occurs at 286.8.
						Bluish-grey phyllite marble interband at 290.28-290.3 is very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
	290.5	290.8		Ø78	5EØ	
						Bluish-grey phyllitic marble. Very calcareous (quickly etched by 10% HCl acid) CS_2 and PS_2 foliated. Bluish-grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Fairly sharp upper, lower contacts parallel S_2.

DDH 91-DY-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 1991 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
29.08	29.38		079	5BØ	→5FØ Light to medium grey phyllite with olive tint and 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_1, S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive S_2 fracture surfaces. Moderately soft. Weak pervasive chloritization in patches. Good core recovery. Good to fair RQD. Blocky core at 292.4-292.5, 292.8-293.8. Clayey fault gouge 1.5 cm wide at 293.3 at CA8Ø°. No sulphides. Gradational upper contact parallel S_2. Sharp lower contact at CA8Ø°.
29.38	29.43		080	5B02	Medium to dark grey slightly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Soft. No sulphides. Very good core recovery. Fair to poor RQD. Blocky core throughout. Rubbly core at 293.8-294.2. Almost gouge-like at 294.1. Sharp upper contact at CA5Ø°. Sharp lower contact at CA4Ø°.
29.43	30.75		081	5BØ	(5EØ) 8Ø:2Ø Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral-pyritohedral pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 302.6-303.1. Sharp upper contact at CA4Ø°. Sharp lower contact at CA6Ø°.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 8/91 Logged By: D. Hallivell

From (10–14)	To (16–20)	Recov. (22–24)	No. (26–28)	Unit (30–34)	Description (35)
3075	3079		082	100#	
					White-grey bull quartz-calcite concordant band (bed? vein?) subparallelling S_2 is moderately calcareous, hard, and has sharp contacts with 5BØ. Very good core recovery. Good RQD. Sharp upper contact at CA 60°. Sharp lower contact at CA 80°.
3079	3231		083	5BØ	(5BØ→5FØ : 10Q# : 5EØ) 90:06:02:02
					Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_1, S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Quartz-calcite veinlets at CA 0°-30° cross-cut S_1, S_2. Minor healed oligomict clast-supported breccias at 315.7-315.8, 318.6-318.8. Trace euhedral cubic and euhedral pyritohedral pyrite along quartz-calcite laminae, beds, occasionally, pyrrhotite is beginning to replace pyrite. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 312.8-312.9, 313.5-313.6. Sharp upper contact at CA 80°. Gradational lower contact parallel S_2.
					Slightly chloritic phyllite at 316.5-317.0 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and has gradational contacts with 5BØ.
					White-grey bull quartz-calcite concordant band (bed? vein?) subparallelling S_2 at 313.0-313.2 is moderately calcareous, hard, and has sharp contacts with 5BØ, 5BØ→5FØ.
					Bluish-grey phyllitic marble laminae, beds following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ, 5BØ→5FØ.
3231	3237		084	5C8	(5BØ : 5EØ) 40:35:25
					Olive green-grey v.fg. aphanitic plagioclase–pyroxene (>chlorite) metabasite, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral mafics (amphibole,

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 8/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					pyroxene?) within relict porphyritic igneous texture. Weak S_2 overprint as olive chloritic bands, laminae parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Sharp upper contact at CA80°. Sharp lower contact at CA60°.
					Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Occurs at 323.15-323.16, 323.3-323.5.
					Bluish-grey phyllitic marbles interbeds, interlaminae within 5BØ following S_1, S_2. Very calcareous. CS_2 and PS_2 foliated. Moderately soft. Fairly sharp contacts with 5BØ.
323.7	335.1		ØB5	5BØ	(5EØ:1ØØ#) 85:1Ø:Ø5
					Light to medium grey phyllite with 5% off-white quartz-calcite laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within ~~quartz-calcite~~ pods along bands parallel S_2; rim and core replacement (pseudomorphing) by pyrrhotite. Quartz-calcite veinlets crosscutting S_1, S_2. Some ochre limonite staining on fracture surfaces and along quartz-calcite bands. Minor healed breccia at 331.4-331.5. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 328.4-328.6. Sharp upper contact at CA60°. Sharp lower contact at CA75°.
					Bluish-grey phyllitic marble interbeds, interlaminae at 331.95, 332.7, etc. are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
					White-grey ± ochre bull quartz-calcite ± limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ. Occur at 328.2-328.4, etc.

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CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	335.1	336.3		Ø86	1ØQ#	(5BØ:5EØ) 5Ø:45:Ø5
						White-grey bull quartz-calcite concordant (beds? veins?) subparallelling S_2 are very calcareous, hard, contain xenoliths of (grey) phyllite and (olive) Mg-chloritic phyllite, and have sharp contacts with 5BØ. Very good core recovery. Good RQD. Sharp upper contact at CA75°. Sharp lower contact at CA7Ø°.
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Fairly straight qtz-calcite veinlets at CAØ°-3Ø° cross-cut S_1, S_2 (follow L_3, L_4, L_5?). Occur at 335.1-335.2, 335.4-335.5, 335.5-335.5, 335.65-335.85, 336.Ø-336.2.
						Bluish grey phyllitic marble interbeds, interlaminae within 5BØ follow S_1, S_2; are very calcareous; moderately soft; and have fairly sharp contacts with 5BØ, 5EØ
	336.3	338.4		Ø87	5BØ	(1ØQ#) 95:Ø5
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Minor healed breccia at 337.3-337.5. Good core recovery (Ø.1m core loss at 337.1-337.9). Good RQD. Blocky core at 337.7-337.9. Sharp upper contact at CA7Ø°. Gradational lower contact parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5BØ.
	338.4	341.3		Ø88	5BØ	(5EØ) 9Ø:1Ø
						Light to medium grey phyllite with 5% off-white quartz-calcite laminae/beds following

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Date: Mar. 8/91 Logged By: D. Halliwell

From (10–14)	To (16–20)	Recov. (22–24)	No. (26–28)	Unit (30–34)	Description (35)
					$S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to very good RQD. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with SBØ.
3413	3430		Ø89	5BØ	(5BØ2:1ØQ#) 85:1Ø:Ø5 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. $PS_2 > CS_2$ foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Silvery grey and ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (pseudomorphs after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Darker grey slightly carbonaceous interbeds, interlaminae following $S_2 > S_1$ are moderately calcareous, moderately soft to soft, and have gradational contacts with SBØ. White grey ± ochre bull quartz-calcite ± limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with SBØ, SBØ2.
3430	3526		Ø9Ø	5BØ	(5BØ2:5EØ:1ØQ#) 6Ø:3Ø:Ø5:Ø5 Light to medium grey phyllite with 1Ø% off-white quartz-calcite laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. $PS_2 > CS_2$ foliated. Silvery grey ± ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-2cm. dia) pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.

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Lithologic Log

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Darker grey weakly carbonaceous phyllite interbeds, interlaminae following $S_2 > S_1$ are moderately calcareous, $PS_2 > CS_2$ foliated, moderately soft, and have gradational contacts parallel S_2.
					Bluish grey phyllitic marble interbeds, interlaminae following $S_2 > S_1$ are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ, 5BØ2.
					White-grey bull quartz-calcite concordant bands (beds? veins?) subparalleling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5EØ.
3526	3577		ØØ91	5BØ2	(5BØ:5EØ:10##) 6Ø:3Ø:Ø5:Ø5
					Dark to medium grey slightly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
					Lighter grey phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft, and have gradational contacts parallel S_2.
					Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ2, 5BØ.
					Olive-grey Mg-chlorite-rich phyllite at 3562-3563, 3575-3577 exist as units and selvages to bull quartz-calcite concordant bands (beds? veins?) subparalleling S_2 which are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5BØ, 5EØ.
3577	3591		ØØ92	5B62	$

DDH 91-04-01 (2 8)

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Lithologic Log

Date: Mar. 8/91 Logged By: D. Hallinan

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Dark to medium grey slightly carbonaceous phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Straight quartz-calcite veinlets cross-cutting S_1, S_2 at CA 0°-30°.
359.1	360.3		092	5BØ	(1ØQ#) 8Ø:2Ø
					Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite bands (beds? veins?) along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 359.6-359.8, 358.9. Gradational upper contact parallel S_2. Sharp lower contact at CA 80°.
					White-grey tachre bull quartz-calcite ± limonite concordant bands (beds? veins?) sub-parallelling S_2 are very to moderately calcareous, hard, and have sharp contacts with 5BØ.
360.3	361.2		093	5CØ	(5BØ) 5Ø:5Ø
					Olive grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphiboles? pyroxenes?) within relict porphyrytic igneous texture. Strong S_2 overprint, as off-white quartz-calcite bands parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive-grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°.
					Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds

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CURRAGH RESOURCES INC.
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Date: Mar. 8/91 Logged By: D. Halliwell

From (10–14)	To (16–20)	Recov. (22–24)	No. (26–28)	Unit (30–34)	Description (35)
					following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Occur at 360.5–360.6, 360.9–361.8.
3620	3642		094	5B0	(100#) 70:30 Light to medium grey phyllite with 20% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_1, S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (1-3cm dia) within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 363.2–363.4. Sharp upper, lower contacts at CA 80°. White-grey, ±ochre, bull quartz-calcite, ±limonite, concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B0
3642	3656		095	5C0	&1 (5B02) 60:40 Olive-grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Strongly S_2 overprinted by off-white quartz-calcite bands parallel S_2. Moderately calcareous, PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Mod. soft to mod. hard. (364.2–364.6) No sulphides. Very good core recovery. Good to fair RQD. Blocky core at 364.6–364.9. Sharp upper, lower contacts at CA 80°. Dark to medium grey slightly carbonaceous phyllite at 364.6–365.4 is moderately calcareous, CS_2 to PS_2 foliated, moderately soft, and has sharp contacts with 5C0 parallel S_2. Dark silvery grey ±ochre (limonite) S_2 fracture surfaces.

DDH 91DY-01 (2 8)

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Date: Mar. 8/91 Logged By: D. Hallinall

From (10 14)	To (16 20)	Recov. (22 24)	No. (26 28)	Unit (30 34)	Description (35)
365.6	367.6		096	5BØ	(5EØ) 95:Ø5 Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Straight quartz-calcite veinlets cross-cutting S_1, S_2 at CA Ø°-3Ø°. Very good core recovery. Good RQD. Sharp upper contact at CA 8Ø°. Sharp lower contact at CA 9Ø°. Trace euhedral cubic pyrite and euhedral pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
367.6	370.6		Ø97	5BØ2	Dark to medium grey weakly carbonaceous phyllite with 2Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre S_2 fracture surfaces. Moderately soft to soft. No sulphides. Poor core recovery (Ø.2m core loss at 367.6-369.Ø). Fair to poor RQD. Blocky to rubbly core 367.6-369.Ø, 369.5-37Ø.6. Clayey ± limonitic fault gouge at 368.5-368.6 at CA 8Ø°. Sharp upper contact at CA 9Ø°. Sharp lower contact at CA 8Ø°.
370.6	381.5		Ø98	5BØ	(1ØQ#.5EØ) 85:1Ø:Ø5 Light to medium grey with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (replaced by pyrrhotite) and euhedral-cubic pseudomorph pyrrhotite (Ø.5-1.5cm dia.) within quartz-calcite pods

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CURRAGH RESOURCES INC.
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Date: Mar. 8/91 Logged By: D. Hallinall

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					380.2-380.3. along bands parallel S_2. Minor healed breccias at 372.2-372.3, Very good core recovery. Good to fair RQD. Blocky core at 373.5-373.7, 376.5 Sharp upper contact at CA80°. Sharp lower contact at CA70°. White-grey ± ochre bull quartz-calcite ± limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
3815	3947		ØØ9	5BØ	(5BØ2:1ØQ#) 85:13:Ø2 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (sometimes replaced by pyrrhotite) within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Minor healed breccia and blocky to rubbly core at 381.5-382.Ø near upper contact. Sharp upper contact at CA70°. Sharp lower fault contact at CA75°. Darker grey more carbonaceous interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2
3947	4103		1ØØ	5BØ	(5EØ:1ØQ#) 9Ø:Ø5:Ø5 Light to medium grey phyllite with 15% off-white quartz-calcite laminae/beds

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Date: Nov. 8/91 Logged By: D. Hallinwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery, Good RQD. Off-white quartz-calcite (straight) veinlets at CA 0°-30° cross-cutting S_1, S_2. Sharp upper fault contact at CA 75° containing carbonaceous material (not graphite) and clay. Sharp lower fault contact at CA 90°.
					Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
					White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5FØ.
411.03	411.06		1Ø1	5BØ2	RUBBLE & FAULT GOUGE
					Dark to medium grey pebbles, one cobble of weakly carbonaceous phyllite and grey silty-textured gouge (mostly clay minerals). Fairly good recovery, but poor RQD throughout. Sharp upper fault contact at CA 90°. Sharp lower fault contact at CA 85°.
411.06	415.8		1Ø2	5BØ	(5EØ : 5BØ→5FØ : 100#) 6Ø : 25 : 1Ø : Ø5
					Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Minor healed breccia at 411.5-411.7. Trace euhedral-cubic and euhedral-pyritohedral pyrite within quartz-calcite pods along bands parallel S_2; some is being replaced by pyrrhotite. Very good core recovery,

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2 8

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Good RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 75°.
					Bluish grey phyllitic marble interbeds, interlaminae at 414.3-414.9 following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ. Occurs at 414.1-414.9.
					Olive grey weakly chloritic phyllite at 412.6-412.8 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and has gradational contacts with 5BØ, 5EØ.
					White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ, 5BØ-5EØ
4158	4163		103	5F16	(100#) 60:40
					Olive grey chloritic phyllite with <5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, Poor to fair RQD. Blocky to rubbly core throughout. Sharp upper, lower contacts at CA 75°.
					White-grey-cream bull quartz-dolomite-calcite concordant bands (beds? veins?) subparallelling S_2 are weakly to moderately calcareous, hard, and have sharp contacts with 5F16.
4163	4172		104	5BØ	(5EØ:100#) 80:15:05
					Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Sharp upper, lower contacts

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						at CA75°.
L	417.2	417.7		105	100#	(5BØ:5EØ) 7Ø:2Ø:1Ø White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts with 5BØ, 5EØ. Very good core recovery. Good RQD. Sharp upper contact at CA75°. Sharp lower contact at CA65°. Occur at 417.2-417.3, 417.4-417.5, 417.6-417.7. Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
	417.7	418.5		106	5BØ	(5EØ) 6Ø:4Ø Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 418.Ø-418.5. Sharp upper contact at CA65°. Sharp lower contact at CA7Ø°. Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.

DDH 91DV-01

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Lithologic Log

Date: Mar. 8/91 Logged By: D. Hallinall

From	To	Recov.	No.	Unit	Description
418.85	424.4		107	5BØ	&1(5BØ2:1ØQ#) 6Ø:35:Ø5 Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to (locally) moderately hard. Some ochre (limonite) S_2 fracture surfaces. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2; some pyrite is replaced by pyrrhotite. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 418.6-418.8, 419.5-419.8, 420.1-420.5. Clayey fault gouge at CA 75° at 422.2-422.3. Sharp upper contact at CA 70°. Sharp lower contact at CA 80° Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, contain xenoliths of carbonaceous phyllite, and have sharp contacts with 5BØ, 5BØ2.
424.4	424.9		108	1ØQ#	(5BØ) 8Ø:2Ø White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and contains grey phyllite xenoliths. Very good core recovery, RQD. Sharp upper, lower contacts at CA 8Ø°. Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$ are moderately calcareous, CS_2 and PS_2 foliated, have silvery grey S_2 fracture surfaces, and have sharp contacts with 1ØQ#.

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Date: Mar. 8/91 Logged By: D. Hallisnell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
4249	4352		109	5B02	(5B0:5E0:100#) 50:40:08:02

Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pyrite and euhedral-cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Fairly good core recovery (0.1m core loss at 428.4-431.6). Fair to poor RQD. Blocky core at 426.6-427.1, 429.2-429.6. Rubbly core at 431.6-431.8. Sharp upper contact at CA 80°.

Lighter grey phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5B02.

Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5B02, 5B0

White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5B02, 5B0, 5E0.

4352	4364		110	5B0	(100#) 90:10

Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 435.6-435.9, 436.1-436.2. Gradational upper contact parallel S_2. Sharp lower contact at CA 45°.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar 17/91 Logged By: D. Hallimell

From	To	Recov.	No.	Unit	Description
					White-grey bull quartz-calcite concordant band (bed? vein?) sub-parallelling S_2 at 435.9-436.1 is moderately calcareous, hard, and has sharp contacts with SBØ.
436.4	437.5		1,1,1	SB,Ø,2	BLOCKY & RUBBLY. Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Very good core recovery. Fair to poor RQD. Blocky to rubbly core throughout. Sharp upper contact at CA45°. Sharp lower contact at CA8Ø°.
437.5	443.8		1,1,2	SB,Ø	(SEØ) 95:Ø5 Light to medium grey phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Trace disseminated euhedral cubic pyrite; some is being replaced by pyrrhotite. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 441.7-441.8, 442.8-443.1. Sharp upper contact at CA8Ø°. Lower contact at CA7Ø° marks end of NQ coring. Core was reduced to BQ at this point. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with SBØ.
443.8	444.4		1,1,3	SBØ	RUBBLY

DDH 91DY-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 10/91 Logged By: D. Hallinan

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2 as cobbles, pebbles, sand and clay. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to very soft. No sulphides. Poor core recovery, RQD (reduction to BQ core at 443.8 necessary due to drilling problems. Blocky to rubbly throughout. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°. Likely fault zone; but no gouge, slickensides etc.
4444	4485		1,1,4	5B,Ø	(5EØ) 95:Ø5
					Light to medium grey phyllite with 10% off white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite along late, straight quartz-calcite veinlets at CA Ø°-3Ø° which cross-cut S_1, S_2. Also present in quartz-calcite pods along beds parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 85°.
					Bluish-grey phyllitic marble laminae, beds following S_1, S_2 are very calcareous. CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5B% Quartz throughout unit.
4485	4495		1,1,5	5B,Ø2	RUBBLY WITH GOUGE
					Dark to medium grey weakly carbonaceous phyllite with 10% off-white siltstone quartz-calcite laminae/beds following S_1 & S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Fair core recovery (Ø.2m core loss at 4485-4493). Blocky to rubbly core throughout. Gouge zone at 449.Ø-449.1 contains some carbonaceous material. Sharp upper

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 10/91 Logged By: D. Hallinan

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					contact at CA 85°. Sharp lower contact at CA 80°.
449.5	456.4		1116	5BØ	.5EØ:1ØØ#) 85:1Ø:Ø5
					Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately to very calcareous (easily, quickly etched by 10% HCl acid).
					Silvery grey S_2 fracture surfaces. Moderately soft. Trace to 1% euhedral-cubic pyrite (Ø.5-1.5 cm. dia.) within quartz-calcite pods along bands parallel to S_2; some are partially, completely (rim?-) replaced by pyrrhotite. Very good core recovery. Good RQD. Blocky core at 455.2 -
					455.5. Sharp upper, lower contacts at CA 8Ø°.
					Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, C_{S_2} and P_{S_2} foliated, moderately soft, and have fairly sharp contacts with 5BØ.
					White-grey bull quartz-calcite concordant bands/beds? (cm-s?) subparallel to S_2 are
					moderately calcareous, hard, and have sharp contacts with 5BØ. ± Ø.
456.4	457.3		1117	5BØ	-75BØ2 BLOCKY & RUBBLY 2-GOUGE
					Light to dark grey phyllite with trace carbonaceous material and 5% ± white quartz-calcite siltstone laminae/beds following S_1, S_2. Moderately calcareous. C_{S_2} and P_{S_2} foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides.
					Good core recovery. Poor RQD. Blocky to rubbly core throughout. Clayey gouge at ± at CA 3Ø° at 456.4-456.5 (1-cm. wide). Clayey gouge at CA 8Ø° ± 457.1 -
					457.2. Sharp upper, lower contacts at CA 8Ø°.
457.3	463.5		1118	5BØ	(5EØ) 9Ø:1Ø

DDH 91DY-Ø1

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar 1Ø/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
					soft. Trace euhedral-cubic pyrite and trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along beds parallel S_2 (Ø.5-1.Ø cm. diag.). Good core recovery. Good to poor RQD. Blocky core at 47Ø.3-47Ø.6. Gradational upper contact parallel S_2. Sharp lower contact at CA 7Ø°. Late, straight quartz-calcite veinlets at CA 3Ø°.
					Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 occurring throughout unit and ≤ 2 cm. wide are very calcareous. CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
471.5	472.4		121	5BØ2	BLOCKY & RUBBLY & GOUGE
					Dark to medium grey weakly carbonaceous phyllite with 5% offwhite quartz-calcite siltstone laminae/beds following S_1, S_0/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Low core recovery (Ø.1 m. core loss within unit). Poor RQD. Blocky to rubbly core throughout. Clayey fault gouge at 472.1-472.4. CA angle not discernible at upper contact; CA 8Ø° at lower contact. Single euhedral-cubic pyrite crystal (Ø.5 cm diag.) at lower contact.
472.4	481.[illegible]		122	5BØ	(1Ø5??; 5EØ) 85:1Ø:Ø5
					Light to medium grey phyllite with 1Ø% offwhite quartz-calcite siltstone laminae/beds following S_1, S_0/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along beds parallel S_2; trace euhedral-cubic pyrite at similar loci. Very good core recovery. Fair to poor RQD. Low breakage. Blocky at 472.4-472.7 (fairly blocky [illegible] unit). Sharp upper contact at CA 8Ø°. Sharp lower contact at CA 4Ø°

DDH 91DY-01

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Mar. 16/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
					White grey buff quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ. Contain xenoliths of grey-black carbonaceous phyllite and olive-grey (Mg-) chloritic phyllite. Occur at 471.8-473.1, 476.0-476.1, 475.4, 479.4-479.5, 480.8-481.1, etc.
					Bluish-grey phyllitic marble interbeds. Interlaminae following S_1, S_2 [illegible] throughout unit are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
481.1	481.6		123	5EØ2	BLOCKY & RUBBLY
					Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery S_2 fracture surfaces. Moderately soft to soft. No sulphides. Fair core recovery. Fair to poor RQD. Blocky to rubbly core throughout. Sharp upper contact at CA40°. Sharp lower contact at CA8Ø°.
481.6	497.0		124	5BØ2	(5BØ: 5EØ: 10Ø#) 8Ø:1Ø:Ø5:Ø5
					Dark to medium grey weakly carbonaceous phyllite with 10% offwhite quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral cubic pyrite and within quartz-calcite pods along bands parallel S_2. Trace disseminated euhedral cubic pseudomorphs (after pyrite) of pyrrhotite and [illegible] within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 483.1-483.2, 491.1-491.4. Sharp upper, lower contacts at CA8Ø°.

DDH 91DY-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: May 16/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
					White grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ. Contain xenoliths of grey-black carbonaceous phyllite and olive grey (Mg-) chloritic phyllite. Occur at 474.8-475.1, 476.0-476.1, [illegible], 479.4-479.5, 480.8-481.1, etc.
					Bluish grey phyllitic marble interbeds, interlaminae following [illegible] through out unit are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
481.1	481.6		123	5BØ2	BLOCKY & RUBBLY
					Dark to medium grey weakly carbonaceous phyllite with 5% off white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. [illegible] foliated. Dark silvery S_2 fracture surfaces. Moderately soft to soft. No sulphides. [illegible] recovery. Fair to poor RQD. Blocky to rubbly core throughout. Sharp upper contact at CA[illegible]°. Sharp lower contact at CA8Ø°.
481.6	497.Ø		124	5BØ2	(5BØ : 5EØ : 10Ø#) 8Ø:1Ø:Ø5:Ø5
					Dark to medium grey weakly carbonaceous phyllite with 10% off white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral cubic pyrite and within quartz-calcite pods along bands parallel S_2. Trace disseminated euhedral cubic pseudomorphs (after pyrite) of pyrrhotite and pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 483.1-483.2, 491.1-491.4. Sharp upper, lower contacts at CA8Ø°.

DDH 91 DY - 01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 16/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
					Light to medium phyllite with 10% off white quartz-calcite siltstone laminae/beds following S_1, S_1/S_2 at 492.7-492.8, 494.4-494.6 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5BØ2.
					Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 at 491.5, etc. are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ2, 5BØ.
					White-grey bull quartz-calcite concordant bands, rods? veins? subparalleling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5BØ, 5EØ.
497.0	499.5		125	5BØ2	(5EØ:5DØ) 90:05:05 BLOCKY & RUBBLY 2 [illegible]
					Dark to medium grey weakly carbonaceous phyllite with 5% off white quartz-calcite siltstone laminae/beds following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. [illegible] Fair to poor RQD. Blocky to rubbly core at 497.0-497.7, 498.2-498.6, 499.2-499.5. Sharp upper contact at CA 80°. Sharp lower contact at CA 70°. Clayey gouge at 497.3
					Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 throughout are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ2. Typically 0.5-2.0 cm wide.
					Olive (Mg-)chloritic phyllite interbeds parallel S_2 at 497.8, 498.8-498.9 are moderately calcareous, PS_2 foliated, moderately soft and have gradational contacts with 5BØ, 5EØ.
499.5	503.1		126	5BØ	(10E) 95:05
					Light to medium [illegible] phyllite [illegible] 10% off white [illegible]

DDH 91DY-C1 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 16/91 Logged By: D. Hallinwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					following S_1, S_1/S_2. Moderately calcareous CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace disseminated euhedral-cubic pyrite. Very good core recovery. Fair RQD. Sharp upper, lower contacts at CA70°
					White-grey bull quartz-calcite concordant bands/beds at 502.6, 502.8 sub-paralleling S_2 are moderately calcareous, hard and have sharp contacts with SBQ.
503.1	506.1		127	SBQ2	[illegible] & RUBBLY SBQ.
					Dark to medium weakly carbonaceous phyllite with 5% off white quartz-calcite siltstone laminae/beds following S_1, S_1/S_2. Moderately calcareous CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Poor core recovery (0.4m core loss at 503.1-504.0, 0.2m core loss at 504.0-504.9.) Blocky to rubbly core at 503.1-505.4, 505.7-506.1. Sharp upper contact at CA70°. Sharp lower contact at CA80°.
506.1	520.0		128	SBQ2	(SBQ: 100#: 5ED) 50:40:06:04
					Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_1/S_2. Moderately calcareous CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite within quartz-calcite beds along bands parallel S_2. Good core recovery. Fair to poor RQD. Blocky core at 511.6-512.9, 515.6-515.9. Sharp upper contact at CA80°. Gradational lower contact parallel S_2.
					Lighter grey phyllite interbeds, interlaminae following S_1, S_2 throughout unit are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with SBQ2.
					White-grey bull quartz-calcite concordant beds subparallelling S_2 at 509.0-509.1

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 16/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						513.6-513.7 are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5BØ. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 throughout unit are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ2, 5BØ.
	520Ø	521Ø		129	5BØ2	BLOCKY & RUBBLY. Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Blocky to rubbly core throughout. Gradational upper, lower contacts parallel S_2.
	521Ø	5263		13Ø	5BØ	(1ØQ#) 95:Ø5 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Occasional ochre (limonite) S_2 fracture surfaces (limonite after pyrite?). Very good core recovery. Good to poor RQD. Blocky core at 523.6-524.2, 524.7-525.4. Gradational upper, lower contacts parallel S_2. White-grey bull quartz-calcite concordant bands subparallelling S_2 at 521.1-521.3, 521.5-521.7, etc. are moderately calcareous, hard, and have sharp contacts with 5BØ.
	5263	5350		131	5BØ2	(5BØ: 1ØQ#) 5Ø:3Ø:2Ø ABUNDANT 1ØQ#. Dark to medium weakly carbonaceous phyllite with 1Ø% off-white quartz-calcite

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 18/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Very good core recovery. Good to poor RQD. Blocky core at 527.0-527.3. Rubbly core at 528.5-528.8. Gradational upper, lower contacts parallel S_2. Trace pyrite, pyrrhotite pseudomorphs as disseminations, within quartz-calcite pods along bands parallel S_2. Lighter grey phyllite interbeds, interlaminated following S_1, S_2 throughout unit are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5B02.
					White-grey bull quartz-calcite concordant bands subparallelling S_2 at 526.3-526.8-527.0, 527.3-527.6, 530.1-530.2, 530.5-530.7, 531.0-531.3, 532.8-533.0, 533.4-533.6, 534.4-534.5, 534.7, 534.9-535.0 are moderately calcareous, hard, contain xenoliths of carbonaceous and chloritic phyllite, and have sharp contacts with 5B02, 5B0.
535.0	540.1		132	5B02	(100#) 90:10
					Dark to medium weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral cubic pseudomorphs of pyrrhotite after pyrite. Good to fair core recovery. (0.6 m. core loss at 537.7-539.0). Good to poor RQD. Blocky to rubbly core at 537.7-539.0. Gradational upper, lower contacts parallel S_2.
					White-grey bull quartz-calcite concordant band at 539.0-539.5 subparallel S_2 is moderately calcareous, hard, and has sharp contacts with 5B02.
540.1	540.6		133	5B02	(5B2) 80:20

DDH [illegible]

CURRAGH RESOURCES INC.
Lithologic Log

Date: [illegible] Logged By: D. Hallewell

From	To	Recov.	No.	Unit	Description
					Dark to medium weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey silvery, black S_2 fracture surfaces with no graphite. Moderately soft. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Fair to poor RQD. Blocky to rubbly core at 545.1-542.1, 543.7-544.4, 545.5-546.4, 546.6-547.4, 547.7-548.6. Gradational upper lower contacts parallel S_2.
					Dark grey carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately to weakly calcareous, CS_2 and PS_2 foliated, soft, have black graphitic S_2 fracture surfaces, and have gradational contacts with 5BØ2. Occur at 543.9-544.2, 546.2-546.6.
548.6	555.9		134	5BØ2	(1ØQ#) 95:Ø5
					Dark to medium weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately to weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite. Very good core recovery. Good RQD. Blocky core at 548.8-549.2, 549.8-[illegible]. Gradational upper, lower contacts parallel S_2.
					White-grey bull quartz-calcite concordant bands (beds/veins?) subparallel [illegible] S_2 are [illegible] calcareous, [illegible] and have sharp contacts with [illegible].
555.9	567.3		135	5B2	(5AØ) 95:Ø5
					Dark grey to black carbonaceous phyllite with 15% quartz-calcite veinlets at all [illegible] angles

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar 12 '91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Moderately to weakly calcareous. CS_2 and PS_2 foliated. Dark grey carbonaceous and black graphitic S_2 fracture surfaces. Soft to moderately soft. Somewhat chaotic appearance but not good SAB. Trace euhedral-cubic pseudomorphs of pyrrhotite (after pyrite?) within quartz-calcite pods and along quartz-calcite bands parallel S_2 (quartz-carbonate-pyrrhotite band at 566.5. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 548.6-549.1, 560.2-560.8, 561.5-561.7. Gradational upper, lower contacts parallel S_2.
						Black carbonaceous-graphitic phyllite near upper contact (555.9-556.5) with 15% quartz-calcite veinlets at all CA angles are moderately to weakly carbonaceous, CS_2 and PS_2 foliated, soft, have black graphitic S_2 fracture surfaces, and have gradational contacts with SBØ2.
L	567.3	571.5		136	SBØ2	$ → SFØ LIMONITIC.
						Dark to medium weakly carbonaceous phyllite with 10% quartz-calcite ± dolomite siltstone laminae/beds following S_1, S_2/S_2. Moderately to weakly calcareous. (Dolomitized-limonitized at 570.2-571.5). CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. Trace pyrrhotite euhedral-cubic pseudomorphs (after pyrite?) within quartz-dolomite-pyrrhotite bands parallel S_2. Rare euhedral-cubic pyrite at similar loci. Slightly olive-chloritic near upper contact (567.3-569.2) as chloritic bands parallel S_2. Very good core recovery. Good to poor RQD. Blocky to rubbly core at 569.2-570.5, 571.4-573.1. Gradational upper, lower contacts parallel S_2.
L	571.5	573.1		137	SF6$ → 40$	LIMONITIC. BLOCKY & RUBBLY

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar 18/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Olive-grey weakly chloritic phyllite with 5% off-white quartz-dolomite ± calcite siltstone laminae/beds following S_1, S_2/S_2. Weakly to moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonitic) S_2 fracture surfaces. Moderately soft to soft. No sulphides (sulphides altered to limonite?). Good core recovery. Poor RQD. Rubbly core throughout unit. Gradational upper, lower contacts parallel S_2. Yellowish (sericitic) S_2 fracture surfaces.
L	57.31	57.39		138	5F6$	→ 5B46$ BLOCKY
						Olive-grey weakly chloritic ± sericitic phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Olive silvery grey ± yellowish (sericitic) colour S_2 fracture surfaces. Moderately soft. 1% euhedral-cubic (pseudomorphs after pyrite?) pyrrhotite along quartz-dolomite-pyrrhotite bands parallel S_2 (pyrrhotite clusters 2-3cm long along bands). Very good core recovery. Poor RQD. Blocky core throughout. Gradational upper, lower contacts parallel S_2.
L	57.39	57.65		139	5F6$/2	→ 5B46$ BLOCKY & RUBBLY
						Olive-grey weakly chloritic ± sericitic phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. Occasionally carbonaceous. CS_2 and PS_2 foliated. Olive silvery grey ± yellowish (sericite), ochre (limonite) S_2 fracture surfaces. Moderately ~~soft~~ to soft. No sulphides (sulphides altered to limonite?). Good core recovery. Poor RQD. Blocky to rubbly core throughout. Gradational upper, lower contacts parallel S_2.
4	57.65	57.73		140	5B6/2	→ 5F6

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 16/91 Logged By: D. Hallinall

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dark to medium grey ± olive very weakly chloritic phyllite with 5% quartz-dolomite ± calcite siltstone laminae/beds following S_1, S_2 / S_2. Weakly to (locally) moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey ± olive S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic (pseudomorphs after pyrite?) pyrrhotite within quartz-dolomite ± calcite veins/bands parallel S_2. Very good core recovery. Fair to poor RQD. Blocky core throughout. Gradational upper/lower contacts parallel S_2.
L	5773	5810		141	58625	→ 58F6$
						Dark to medium grey ± olive phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey ± olive S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral-cubic (pseudomorphs after pyrite) pyrrhotite. Very good core recovery. Good to poor RQD. Pebbly core at 5779-5802. Gradational upper, lower contacts parallel S_2
L	5810	5822		142	58602	
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
L	5822	5837		143	58471	→ 35F0

DDH 91DV-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar 18 '91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						Light to medium grey ± greenish yellow weakly chloritic ± sericitic phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive (chlorite) ± yellow (sericite) S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Good to poor RQD. Blocky to rubbly core at 582.2-583.3. Gradational upper/lower contacts parallel S_2.
L	583.7	588.8		144	5FØ	→ 5CØ (3BØ) 6Ø:4Ø
						Olive grey weakly chloritic phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Locally has white [illegible] phenocrysts within v.f.g. aphanitic groundmass (metabasitic?), strongly over-printed by S_2. Moderately calcareous. $CS_2 > PS_2$ foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. Good to poor core recovery (Ø.8m core loss at 585.8-588.1 (probably at 585.8-586.Ø or 587.5-588.1. Good to poor RQD. Rubbly core at 583.7-584.3, 584.5-586.Ø. Gradational upper/lower contacts parallel S_2. No sulphides.
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$ at 583.7-584.3, 584.5-586.1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides.
L	588.8	591.1		145	5BØ2	RUBBLY.
						Dark to medium grey weakly calcareous phyllite with 5% quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2

DDH 91DY-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 10/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides (sulphides altered to limonite?). Poor core recovery (0.2m core loss within unit). Poor RQD. Rubbly core throughout. Gradational upper, lower contacts parallel S_2
L	591.1	604.2		146	5B62	(5B6:5B26) 50:35:15
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous; CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral-cubic (pseudomorphs after pyrite?) pyrrhotite, often near quartz-dolomite bands parallel S_2. Fair core recovery (0.2m core loss at 597.2-600.3). Good to poor RQD. Rubbly core at 593.3-594.2, 595.9-596.4, 596.9-597.0, 598.7-598.9. Gradational upper contact parallel S_2. Sharp lower contact at CA 70°.
						Lighter grey phyllite interbeds, interlaminae at 591.1-601.0 has 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2, are weakly calcareous, CS_2 and PS_2 foliated, moderately soft and have gradational contacts with 5B62.
						Darker grey carbonaceous phyllite interbeds, interlaminae in lower section (601.0-604.2) have 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2, are weakly calcareous, CS_2 and PS_2 foliated, soft, and have gradational contacts with 5B62.
L	604.2	606.8		147	5C61	(100# &$) 60:40 BLOCKY & RUBBLY
						Olive grey v.f.g. ophitic metabasite groundmass, black f.g.-m.g. subhedral mafic

DDH 91DY-01

CURRAGH RESOURCES INC.

Lithologic Log

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Date: Mar 16/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						(amphibole, pyroxene?) phenocrysts, and white f.g. anhedral (leucoxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by S_2 as black, carbonaceous or Fe-chloritic bands parallel S_2. Weakly calcareous. PS₂ foliated to massive. Olive grey S_2 fracture surfaces. Moderately hard, smooth, leucocratic (weakly silicified). No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core at 604.2-605.2, 605.8-606.8. Sharp upper contact at CA 70°. Sharp lower contact at CA 85°.
						White-grey ± cream bull quartz-calcite-dolomite [illegible] (beds? veins?) subparallelling S_2 at 604.2-604.4, 605.6-606.8 are moderately to weakly calcareous, hard, contain xenoliths of non-calcareous phyllite, and have sharp contacts with 5C61.
L	606.8	609.2		148	5B62	
						Dark to medium grey phyllite with 5% of white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_3. Weakly calcareous. CS₂ and PS₂ foliated. Dark silvery-grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Fair to poor RQD. Blocky core at 606.8-608.1, 608.7-609.2. Sharp upper, lower contacts at CA 85°.
L	609.2	611.0		149	5C146	(10Q%) 85:15
						Light olive grey v.f.g. aphanitic metabasite (plagioclase, pyroxene → chlorite) groundmass. Black m.g. subhedral amphibole phenocrysts (→ porphyroblasts, foliated parallel S_2) within relict porphyritic igneous texture. Strong S_2 overprint, with olive chloritic bands parallel S_2. Weakly calcareous. VPS₂ foli-

DDH 91DY-01

CURRAGH RESOURCES INC.

Lithologic Log

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Date: Mar 10/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						ated to massive. Olive grey ± yellowish (sericitic?) S_1 fracture surfaces. Moderately hard, [illegible], [illegible] (weakly silicified). No sulphides. Good core recovery. Good to poor RQD. Blocky to rubbly core at 610.2–610.5. Chlorite-clay fault gouge at 609.4 at CA 75° (1 cm. wide). Sharp upper contact at CA 85°.
						White-grey-cream quartz ± calcite ± dolomite concordant bands (beds? veins?) subparallelling S_2 are weakly calcareous, hard, have olive-grey weakly chloritic phyllite xenoliths, and have sharp contacts with SC1+6.
						611.0 = EOH.

DDH 91DY-01 (2 … 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Mar 3/91 Logged By: D. Halliwell

Code	From	To	Feature	Sym	S0 Dip	S0 Direct.	S1 Dip	S1 Direct.	S2 Dip	S2 Direct	Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
S		53	PS2	-					73		Massive metabasite. Measured struct.
S		110	PS2	-					88		" " "
S		178	PS2						61		PS2 metabasite.
S		201	CS2	S		153	31	346	76		
S		281	CS2	Z		174	27	202	77		
S		349	CS2	Z		038	34	220	67		
S		393	CS2	Z		063	45	071	76		
S		466	CS2	S		104	38	336	68		
S		531	CS2	Z		156	21	272	71		
S		58[illegible]	CS2	S		029	47	007	81		
S		598	CS2	S		153	47	355	78		
S		693	CS2	Z		029	44	208	66		
S		78[illegible]	CS2	Z		013	51	309	59		
S		80[illegible]	CS2	S		027	56	028	62		
S		88[illegible]	CS2	S		152	50	004	74		
S		903	CS2	Z		036	75	145	82		
S		979	CS2	S		025	63	012	74		
S		1075	CS2	Z		110	40	147	83		
S		1094	CS2			053	38	000	74		DD2
S		1181	CS2	S		117	47	320	83		
S		1237	CS2	Z		133	53	096	78		
S		1293	CS2	Z		177	52	231	70		
S		1310	CS2	S		110	21	216	78		
S		1393	CS2	Z		083	61	085	82		
S		1457	CS2	S		031	39	011	79		
S		1504	CS2	S		127	38	233	74		
S		1572	CS2	S		033	38	008	65		
S		1599	CS2	S		021	50	007	78		
S		1675	CS2	S		062	15	015	58		
S		1699	CS2	S		012	32	001	75		
S		1807	CS2	S		030	57	035	75		
S		1853	CS2	S		042	35	052	76		
S		1908	CS2	S		169	29	000	78		DD2
S		1937	CS2	S		129	38	038	83		
S		1999	CS2	S		000	30	000	71		DD2
S		2066	CS2	Z		149	23	169	80		

DDH 91-DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Mar. 5/91 Logged By: D. Halliwell

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		212.1	CS2	S	174	48 348	84	
S		218.3	CS2	Z	111	41 124	80	
S		225.0	PIS2	-			82	5C0→5C8, 5C7
S		230.7	CS2	Z	064	26 277	85	
S		233.7	CS2	Z	120	17 212	83	
S		242.4	CS2	S	165	10 010	78	
S		249.2	CS2	Z	042	38 168	77	
S		253.7	CS2	S	020	61 178	73	
S		258.7	CS2	S	047	24 359	71	
S		264	CS2	S	048	42 307	81	
S		271.1	CS2	Z	087	07 089	81	
S		274	CS2	S	054	50 300	85	DD_2
S		281.1	CS2	S	023	19 000	45	DD_2
S		290.0	CS2	S	118	23 326	77	
S		270.6	CS2	Z	086	42 194	64	
S		300.0	CS2	S	012	22 006	77	
S		306.2	CS2	Z	019	40 108	47	
S		310.0	CS2	S	039	41 023	81	
S		317.4	CS2	Z	084	44 284	83	
S		321.9	CS2	S	167	21 059	77	
S		330.7	CS2	S	011	09 000	73	DD_2
S		336.2	CS2	S	172	43 000	78	DD_2
S		340.8	CS2	Z	072	37 270	78	
S		346.3	CS2	S	177	30 060	80	
S		352.5	CS2	Z	015	42 069	80	
S		356.7	CS2	S	149	23 339	74	
S		364.9	CS2	S	012	45 000	80	DD_2
S		367.0	CS2	S	169	22 000	79	DD_2
S		374.3	CS2	S	132	61 300	63	
S		379.8	CS2	S	157	42 000	75	DD_2
S		386.9	CS2	Z	120	45 292	85	
S		393.8	CS2	Z	083	36 096	88	
S		400.4	CS2	S	170	40 353	71	
S		404.4	CS2	S	020	50 348	81	
S		407.2	CS2	S	000	89 347	79	
S		413.8	CS2	S	158	26 350	61	

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC.

Structural Log

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Date: Mar 9/91 Logged By: D. Hellman

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		42.35	GS2S		T Ø39	46 326	71 T	
S		4289	GS2S		T Ø56	45 ØØØ	62 T	DD_2
S		4346	GS2S		T 110	33 274	84 T	
S		4405	GS2Z		T Ø41	31 230	85 T	
S		4433	GS2S		T Ø30	18 210	81 T	
S		4475	GS2S		T 143	34 ØØØ	72 T	DD_2
S		4522	GS2Z		T Ø60	40 Ø56	84 T	
S		4624	GS2S		T Ø32	36 Ø35	88 T	
S		4706	GS2S		T 164	10 ØØØ	86 T	DD_2
S		4785	GS2S		T 161	37 350	83 T	
S		4845	GS2S		T Ø43	42 ØØ5	70 T	
S		4932	GS2S		T 168	43 ØØØ	55 T	DD_2
S		4955	GS2S		T Ø38	43 350	77 T	
S		5016	GS2S		T Ø40	40 Ø67	86 T	
S		5165	GS2S		T 147	23 ØØ4	69 T	
S		5224	GS2S		T 141	40 ØØØ	69 T	DD_2
S		5280	GS2Z		T Ø57	23 Ø66	77 T	
S		5352	GS2Z		T Ø84	36 286	83 T	
S		5445	GS2S		T 113	18 Ø42	81 T	
S		5498	GS2S		T 159	39 109	64 T	
S		5540	GS2Z		T Ø71	50 Ø85	82 T	
S		5638	GS2S		T 156	17 ØØ5	68 T	
S		5692	GS2S		T 165	12 ØØØ	63 T	DD_2
S		5786	GS2S		T Ø30	65 277	74 T	
S		5865	GS2-		T —	T —	61 T	metabasite
S		5948	GS2S		T 171	64 ØØØ	80 T	DD_2
S		6034	GS2S		T Ø87	20 339	84 T	
S		6088	GS2		T Ø33	19 Ø20	81 T	

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Mar. 3/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	00	25	2B					Blocky zone. Lower contact at CA 73°. Limonitic
F	76	173	3B					Blocky zone. Upper, lower contacts at CA 60°; CA 85°; respectively. Limonitic.
F	227	229	1BR					Blocky to rubbly zone. Upper, lower contacts at CA 85°; CA 70°; respectively. Limonitic.
F	359	367	2B					Blocky zone. Upper, lower contacts at CA 43°; CA 83°; resp. Limonitic.
F	400	408	1R					Rubbly zone. Upper, lower contacts at CA 55°; CA 67°; respectively. Limonitic.
F	410	412	1B					Blocky zone. Upper, lower contacts at CA 80°; CA 80°; respectively Limonitic.
F	419	424	2RX					Rubbly zone. Upper, lower contacts at CA 78°; CA 86°; respectively. Minor healed oligomict clast-supported breccia. Limonitic.
F	595	599	2BR					Blocky to rubbly zone. Upper, lower contacts at CA 82°; CA 74°; respectively. Limonitized.
F	625	629	2RB					Rubbly-blocky zone. Upper, lower contacts at CA 77°; CA 52°; respectively.
F	660	687	3R					Rubbly zone. Upper, lower contacts at CA 45°; CA 80°; respectively.
F	717	720	1RB					Rubbly to blocky zone. Upper, lower contacts at CA 54°; CA 57°; resp.

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Mar 3/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	172.8	175.5	3,B,R					Blocky-rubbly zone. Upper, lower contacts at CA 84°, CA 78°; resp.
F	1087	1089	1,B					Blocky zone. Upper, lower contacts at CA 77°, CA 60°; respectively.
F	1191	1194	2,B					Blocky zone. Upper, lower contacts at CA 42°, CA 53°; respectively.
F	1324	1325	2,G			390		Clayey gouge 1cm wide. Upper, lower contacts at CA 39°. Parallel S_2 (000°/39°)
F	1341	1345	2,R					Rubbly zone. Upper, lower contacts at CA 86°, CA 88°; respectively.
F	1516	1517	1,B,R					Blocky-rubbly.
F	1683	1685	1,R,G					Rubbly. Clay-limenite alteration. Upper, lower contacts at CA 78°, CA 72°; respectively. Attitude of gouge w.r.t. CA, S_2 strike not possible
F	1720	1728	2,R,G					Rubbly. Clay fault gouge at 172.5-172.7 at CA 37°. Some graphitic at 172.8 Rock piece with gouge not in situ; cannot measure attitude w.r.t. S_2 strike.
F	1733	1737	2,B,R					Blocky-rubbly. No gouge. Upper, lower contacts at CA 60°, CA 75°; respectively.

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC. Page 73 of _____

Fault Log Date: Mar. 6/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	215 5	215 9	1,B,R					Blocky to rubbly. Clay coated blocks, rubble. Upper, lower contacts at CA 78°, CA 85°, respectively.
F	219 2	219 6	2,R,G			76 018		Rubbly. Clay gouge at CA 57° at 219.6. Fault plane at 018°/76° to S_2 strike.
F	237 9	238 0	1,R					Rubbly. Limonitic clay partially healed fractures. Upper, lower contacts at CA 37°, CA 71°, respectively.
F	238 8	239 2	1,B					Blocky. Upper, lower contacts at CA 10°, CA 78°, respectively.
F	249 3	249 4	1,B					Blocky. Upper, lower contacts at CA 78°, CA 46°, respectively.
F	267 4	269 3	3,R,G		44 032		42 023	Blocky, rubbly. Clayey 10cm, 01cm thick fault gouges for upper, lower (fault) contacts at CA 11°, CA 5°, respectively. Limonitic clay. Upper fault gouge at 032°/44° w.r.t. S_2 strike. Lower fault gouge at 023°/42° w.r.t. S_2 strike.
F	293 8	294 1	2,B,R				46 076	Rubbly, blocky. Clayey fault gouge. Upper/lower contacts at CA 89°, CA 54°, respectively. Fault plane at 076°/46° to S_2 strike.
F	302 6	303 1	2,B					Blocky zone. No gouge. Upper, lower contacts at CA 75°, CA 81°, respectively.

DDH 91DY-01 (2 … 8)

CURRAGH RESOURCES INC.

Fault Log

Date: Mar. 9/91 Logged By: D. Halliwell

Code (1)	FROM (10–14)	TO (At) (16–20)	Feature (22–24)	REC. (26)	UPPER Dip Direct (28–32)	INTERNAL Dip Direct. (34–38)	LOWER Dip Direct (40–44)	Description
F	3283	3285	1BR					Blocky, rubbly zone. Upper, lower contacts at CA 68°, CA 67°, [illegible]
F	3676	3690	3RB					Rubbly-blocky zone. Upper, lower contacts at CA 32°, CA 45°, respectively. [illegible]
F	3685	3686	2[illegible]R					[illegible] zones. Upper, lower [illegible] [illegible]
F	3698	3706	2BR					Blocky-rubbly zone. Upper, lower contacts at CA 63°, CA 71°, respectively.
F	3818	3819	1BR					Blocky-rubbly zone. Upper, lower contacts at CA 45°, CA 70°, respectively.
F	3946	3947	2GR				83 024	Rubbly zone. Clayey fault gouge. Upper, lower contacts at CA 65°, CA 54°, respectively. Fault plane at 83°/024° w.r.t. S2 strike.
F	4103	4106	3GR					Rubble with clayey gouge, pebbles, cobbles. Upper/lower contacts at CA 77°, CA 88°, respectively. Not possible to measure attitude of fault plane w.r.t. S2 strike.
F	4180	4184	2B					Blocky zone. Upper, lower contacts at CA 86°, CA 76°, respectively.

DDH 91DY-01

CURRAGH RESOURCES INC.
Fault Log

Date: Mar 9/91 Logged By: D Halliwell

Code	FROM (10–14)	TO (At) (16–20)	Feature (22–24)	REC. (26)	UPPER Dip Direct (28–32)	INTERNAL Dip Direct. (34–38)	LOWER Dip Direct (40–44)	Description
F	4186	4188	1BR					Blocky-rubbly zone. Upper, lower contacts at CA 80°, CA [illegible]; respectively.
F	4195	4198	1BR					Blocky-rubbly zone. Upper, lower contacts at CA 88°, CA 78°; respectively.
F	4222	4223	1RG					Rubbly zone. Clayey gouge. Upper, lower contacts at CA 60°, CA [illegible]; respectively.
F	4316	4318	2RG					Rubbly gouge. Clayey fault gouge. Upper, lower contacts at CA 55°, CA 85°; respectively. Not possible to determine attitude of fault plane wrt. S_0 strike
F	4356	4360	2BR					Blocky-rubbly. Upper, lower contacts at CA88°, CA72°; respectively.
F	4429	4431	2RG		92 007			Blocky-rubbly. Upper, lower contacts at CA40°, CA82°; respectively. Clayey gouge 0.5cm wide at upper contact. Fault plane at 007°/92° to S_0 strike.
F	4436	4438	3BR					Blocky-rubbly. Upper contact at CA85°. Drilling problems at this point necessitated reduction in core size from NQ to BQ.
F	4438	4444	3RB					Rubbly-blocky at start of BQ core drilling. Cobbles, pebbles, granules, sand, clay. Lower contact at CA 81°.

DDH 91-DY-01 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Mar. 11/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	448.5	449.5	3,R,G					Rubbly zone. Upper, lower contacts at CA 88°, CA 85°; respectively. Clayey gouge 0.09m wide at 449.0-449.1. Rock too friable to permit attitude measurement w.r.t. S_2 strike.
F	456.4	457.3	3,B,R					Blocky-rubbly. Upper, lower contacts at CA 83°, CA 88°; respectively. Contains clayey gouge (see below).
F	456.4	456.5	2,G		95 005			Clayey>limonitic gouge at CA 22°, 1-2cm. wide. Fault plane at 085°/95° to S_2 strike.
F	463.5	463.7	2,R,B					Rubbly-blocky. Upper, lower contacts at CA 78°, CA 74°; respectively
F	471.5	472.4	3,R,B					Rubbly-blocky. Upper, lower contacts at CA 79°, CA 79°; respectively. Contains clayey fault gouge (see below)
F	472.1	472.3	3,G					Clayey>sandy gouge. Rock is too friable to permit attitude measurement w.r.t. S_2 strike.
F	481.1	481.6	2,R,B					Rubbly-blocky. Upper, lower contacts at CA 76°, CA 87°; respectively.
F	483.1	483.3	1,B,R					Blocky-rubbly. Upper, lower contacts at CA 79°, CA 73°; respectively. Clayey gouge at upper contact (see below).
F		483.2						Clayey gouge 1.0cm wide at CA 79° Attitude measurement w.r.t. S_2 strike not possible

DDH 91-DY-01 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Mar. 11/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	49.70	49.76	2,B,R					Blocky rubbly. Upper, lower contacts at CA 76°, CA 81°; respectively. Includes clayey fault gouge (see below)
F	49.72	49.73	1,G,		048 084			Clayey gouge Ø.Ø8m. wide at CA 54°. Fault plane at 084°/48° w.r.t. S_2 strike.
F	49.81	49.86	2,B,R					Blocky-rubbly. Upper, lower contacts at CA 74°, CA 8Ø°; respectively.
F	50.31	50.56	3,R,B					Rubbly-blocky. Upper, lower contacts at CA 63°, CA 67°; respectively. Contains fault gouge (see below).
F	50.34	50.36	2,G,					Clayey gouge. Attitude of fault w.r.t. S_2 strike not possible.
F	51.47	51.49	2,R,G				82 Ø16	Rubbly. Upper, lower contacts at CA 67°, CA 53°; respectively. Contains graphitic fault gouge at 51.485-51.49 at CA 53° (lower contact). Fault plane at Ø16°/82°° w.r.t. S_2 strike.
F	51.57	51.60	1,B,R					Blocky-rubbly. Upper, lower contacts at CA 88°, CA 54°; respectively.
F	52.00	52.10	3,B,R					Blocky-rubbly. Upper, lower contacts at CA 75°, CA 8Ø°; respectively.
F	52.47	52.54	2,B,R					Blocky-rubbly. Upper, lower contacts at CA 76°, CA 87°; respectively.
F	52.64	52.66	1,R,B					Rubbly-blocky. Upper, lower contacts at CA 72°, CA 84°; respectively.

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Mar. 11/91 Logged By: D. Hallinell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	527 1	527 4	2BR					Blocky-rubbly. Upper, lower contact at CA 80°, CA 63°; respectively
F	528 5	528 9	2BR					Blocky-rubbly. Upper, lower contacts at CA 89°, CA 90°; respectively.
F	537 7	539 0	2BR					Blocky-rubbly. Upper lower contacts at CA 57°, CA 46°; respectively. Contains graphitic clay gouge (see below).
F	538 9	539 0	1G			58 032		Graphitic-clay gouge (0.08m. wide) at CA 64°. Fault plane at 032/58° w.r.t. S, strike.
F	541 1	541 9	3BR					Blocky-rubbly. Upper, lower contacts at CA 78°, CA 83°; respectively
F	543 8	544 5	2B					Blocky. Upper, lower contacts at CA 85°, CA 79°; respectively
F	545 3	546 3	2BR					Blocky-rubbly. Upper, lower contacts at CA 47°, CA 48°; respectively
F	546 6	547 4	2BR					Blocky-rubbly. Upper, lower contacts at CA 80°, CA 80°; respectively
F	548 1	548 6	2R					Rubbly. Upper, lower contacts at CA 75°, CA 56°; respectively
F	560 2	560 9	2RB					Rubbly-blocky. Upper, lower contacts at CA 86°, CA 73°; respectively
F	569 9	570 5	2BR					Blocky-rubbly. Upper, lower contacts at CA 66°, CA 73°; respectively

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Mar. 11/91 Logged By: D. Hallinwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	571.15	573.1	3,R,					Clayey-limonitic. Rubbly. Upper, lower contacts at CA 70°; CA 70°; respectively.
F	573.9	576.5	3,R,B					Rubbly-blocky. Upper, lower contacts at CA 74°; CA 90°; respectively. Clayey-limonitic gouge at 575.7-575.9 (0.1m wide) at CA 75° (See below).
F	575.8	576.9	2,G,					Clayey-limonitic gouge 0.1m wide at CA 75°. Friable rock conditions make attitude measurement w.r.t S_2 strike impossible.
F	582.2	583.3	3,R,B					Rubbly blocky. Upper, lower contacts at CA 84°; CA 47°; respectively.
F	583.7	584.3	2,R,B					Rubbly-blocky. Upper, lower contacts at CA 88°; CA 48°; respectively.
F	584.5	586.0	3,R,B					Rubbly-blocky. Upper, lower contacts at CA 80°; CA 66°; respectively.
F	586.8	588.1	2,B,R					Blocky rubbly. Upper, lower contacts at CA 42°; CA 33°; respectively.
F	588.9	589.0	1,R,					Rubbly. Upper, lower contacts at CA 70°; CA 83°; respectively.
F	589.2	591.1	2,R,G					Rubbly. Upper, lower contacts at CA 35°; CA 22°; respectively. Clayey-carbonaceous gouge at 591.0-591.1. Rock too friable to permit attitude of fault plane w.r.t. S_2 strike

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

Date: Nov 11/91 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	26	28 32	34 38	40 44	
F	59355	59422	2BR					Blocky-rubbly. Upper, lower contacts at CA 60°, CA 58°; respectively
F	60455	60533	3BR					Blocky-rubbly. Upper, lower contacts at CA 74°, CA 51°; respectively
F	60720	60788	3BR					Blocky-rubbly. Upper, lower contacts at CA 73°, CA 80°; respectively,
F	60887	60922	2R					Rubbly. Upper, lower contacts at CA 70°, CA 77°; respectively.
F	61015	61055	2BR					Blocky, rubbly. Upper, lower contacts at CA 76°, CA 88°; respectively

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

Units: Feet / Metres Date: Mar. 2/91 Logged By: D. Halliwell Page 81 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
5.5	4.1	1.6	R3	12	2	0	—	—	—	3	14	10	J	53	14	3	J	HQ	
6.1																			NO CORE
7.3	1.2	0.5	R3	10	2	0	—	—	—	1	15	10	J	18	14	9	J	NQ	RECORED
11.0	3.7	0.3	R3	10	2	9	14	10	J	0	—	—	—	66	13	10	S	Z	RECORED
14.0	2.1	0.4	R3	9	3	1	16	10	J	1	16	10	J	42	12	4	S	NQ	
15.4	1.3	0.1	R3	10	3	0	—	—	—	2	14	10	J,G	24	12	7	S		limeritic-clay gouge.
16.0	0.5	0.0	R2	7	3	0	—	—	—	1	14	10	J	19	12	8	S		
17.1	1.1	0.4	R2	8	2	0	—	—	—	3	15	10	J	21	12	8	S		
20.1	3.1	2.5	R3	14	2	1	15	10	J	2	13	10	S	19	12	8	S		
22.9	2.7	1.9	R3	13	2	1	16	10	J	4	16	10	J	20	12	8	S		
25.3	2.3	1.5	R2	14	2	1	14	10	J	2	16	10	J	24	12	7	S		
26.8	1.5	0.4	R2	8	2	1	16	10	J	2	15	10	J	32	12	6	S		
29.3	2.4	1.6	R2	11	2	1	16	10	J	3	14	10	J	32	12	6	S		
30.0	0.8	0.2	R2	12	2	0	—	—	—	3	14	10	J	8	12	9	S		
32.3	2.3	0.8	R2	12	2	1	17	10	J	1	16	10	J	23	12	7	S		
35.4	3.1	2.5	R2	11	2	1	17	10	J	3	16	10	J	63	12	3	S		
36.7	1.4	0.4	R2	10	3	2	15	10	J	4	15	10	J	19	12	8	S		
39.6	3.0	1.4	R2	12	1	1	16	10	J	2	16	10	J	32	12	6	S		
42.7	2.4	0.8	R2	9	3	2	16	10	J	5	16	10	J	42	12	4	S		
45.7	3.0	1.5	R2	11	2	0	—	—	—	1	15	10	J	49	12	3	S		
48.8	3.0	1.6	R2	12	1	0	—	—	—	1	16	10	J	41	12	4	S		
51.8	3.0	1.5	R2	12	1	1	16	10	J	1	16	10	J	39	12	4	S		
53.6	1.8	1.0	R2	13	1	1	14	10	J	0	—	—	—	26	12	7	S		
56.7	3.1	2.2	R2	12	1	1	14	10	J	1	16	10	J	51	11	3	S		
59.7	3.1	0.9	R2	12	1	1	14	10	J	0	—	—	—	57	12	3	S		
62.5	2.6	0.9	R2	8	1	1	16	10	J	2	16	10	J	40	12	4	S		
65.5	3.0	0.3	R2	9	1	2	16	10	J	5	15	10	J	72	12	3	S		
66.1	0.6	0.0	R2	10	1	1	16	10	J	1	16	10	J	6	12	10	S		
68.9	2.8	0.0	R1	4	3	1	16	10	J	2	16	10	J	12	12	3	S		
71.9	3.1	0.5	R2	9	2	2	15	10	J	3	16	10	J	56	12	3	S		
73.5	1.6	0.4	R2	10/4	4	6	14	10	J	7	16	10	J	29	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

Units: Feet / Metres Date: Mar. 2/91 Logged By: D. Halliwell Page 82 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
75.1	1.4	0.0	R2	6	2	4	17	10	J	2	16	10	J	33	12	6	S	NQ	
77.7	2.6	1.0	R2	10	1	3	16	10	J	2	14	10	J	43	11	4	S		
80.8	2.1	1.0	R2	11	2	1	14	10	J	5	16	10	J	47	12	3	S		
83.4	2.7	0.8	R2	10	2	0	—	—	—	3	14	10	J	53	12	3	S		
85.0	1.6	0.0	R2	9	1	0	—	—	—	4	16	10	J	41	12	4	S		
87.2	2.2	0.3	R2	10	1	0	—	—	—	2	15	10	J	43	11	4	S		
90.2	3.0	1.2	R2	12	1	0	—	—	—	2	13	10	J	41	12	4	S		
93.3	3.1	2.4	R2	12	1	0	—	—	—	3	14	10	J	32	12	6	S		
96.3	3.0	1.6	R2	13	1	0	—	—	—	1	12	10	J	35	12	5	S		
99.4	3.1	2.2	R2	13	1	0	—	—	—	2	16	10	J	22	11	8	S		
102.4	3.0	2.2	R2	14	1	0	—	—	—	2	14	10	S	26	12	7	S		
105.5	3.0	2.2	R2	13	1	0	—	—	—	2	16	10	J	27	12	7	S		
108.6	3.1	2.7	R2	14	1	0	—	—	—	1	16	10	J	21	11	8	S		
111.3	2.7	1.1	R2	8	3	1	17	10	J	5	13	10	S	49	12	3	S		
113.7	2.4	1.1	R2	10	2	2	17	10	J	7	15	10	J	37	13	5	S		
116.7	3.1	2.9	R2	12	2	1	15	10	J	2	15	10	J	33	12	6	S		
119.8	3.1	1.7	R2	12	2	0	—	—	—	4	15	10	J	36	12	5	S		
121.9	3.1	1.6	R2	12	1	0	—	—	—	1	14	10	J	21	11	8	S		
123.7	2.8	1.1	R2	12	1	0	—	—	—	3	14	10	J	22	12	10	S		
126.8	3.1	1.0	R2	11	1	0	—	—	—	3	16	10	J	65	12	3	S		
129.8	3.0	0.8	R2	10	2	1	16	10	J	4	16	10	J	64	12	3	S		
132.9	3.1	1.4	R2	12	1	0	—	—	—	2	14	10	J	35	12	5	S		
135.0	2.2	0.6	R2	7	1	1	17	10	J	2	15	10	J	37	11	5	S		
138.1	3.1	1.3	R2	12	1	1	18	10	J	2	14	10	J	42	12	4	S		
141.1	1.8	0.8	R2	13	1	0	—	—	—	4	14	10	J	38	12	4	S		
144.2	3.1	2.0	R2	12	1	0	—	—	—	2	16	10	J	58	12	3	S		
147.2	3.2	0.6	R2	12	1	2	14	10	J	2	16	10	J	51	12	4	S		
150.4	3.1	1.2	R2	12	1	1	16	10	J	1	16	10	J	35	12	7	S		
153.5	3.1	1.8	R2	10	1	1	14	10	J	3	16	10	J	45	13	4	S		
156.7	3.1	2.9	R2	14	1	0	—	—	—	0	—	1	—	17	13	8	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

Units: Feet / Metres Date: Mar. 5/91 Logged By: D. Hallimell Page 83 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
159.7	3.2	3.0	R2	14	1	0	–	–	–	0	–	–	–	17	12	9	S	NQ	
162.3	2.6	1.7	R2	13	1	1	15	10	J	0	–	–	–	18	12	9	S		
165.4	3.1	1.6	R2	13	1	0	–	–	–	2	16	10	J	43	13	4	S		
167.6	2.3	1.5	R2	10	1	0	16	10	J	4	12	10	S	22	12	8	S		
169.5	1.9	1.5	R2	7	3	1				3				23	12	6	S		
172.4	2.5	1.9	R2	7	2	1	15	10	J	3	15	10	J	30	12	6	S		
173.3	0.7	0.1	R2	2/9	3	2	16	10	J	2	16	10	J	50	13	3	S,G		clayey fault gouge
175.3	1.7	0.8	R2	6/11	2	1	15	10	J	1	17	10	J	28	12	6	S		
178.3	3.1	2.2	R2	12	1	0	–	–	–	2	15	10	J	25	12	7	S		
181.4	3.1	2.5	R2	12	1	0	–	–	–	0	–	–	–	21	12	8	S		
184.4	3.0	2.3	R2	12	1	0	–	–	–	3	15	10	J	23	12	8	S		
187.5	3.1	2.9	R2	13	1	0	–	–	–	2	16	10	J	11	12	10	S		
190.5	3.1	2.2	R2	11	1	0	–	–	–	2	14	10	J,S	28	12	6	S		
193.7	3.1	2.5	R2	13	1	2	16	10	J	0	–	–	–	22	12	8	S		
196.7	3.1	2.6	R2	12	1	0	–	–	–	1	16	10	J	15	12	10	S		
199.9	3.1	2.7	R2	13	1	0	–	–	–	2	14	10	J	19	12	10	S		
203.0	3.1	2.5	R2	12	1	0	–	–	–	1	15	10	J	28	13	6	S		
206.0	3.1	2.8	R2	13	1	1	17	10	J	1	15	10	J	18	12	8	S		
209.1	3.1	2.2	R2	12	1	0	–	–	–	2	13	12	S	22	12	8	S		
212.1	3.1	1.8	R2	10	1	0	–	–	–	5	17	10	J	32	13	6	S		
215.2	3.0	2.0	R2	10	1	1	16	10	J	4	16	10	J	30	12	6	S		
218.2	2.9	2.0	R2	12	2	2	15	10	J	4	15	10	J	35	12	7	S		
221.3	3.2	1.1	R2	9/5	3	1	15	10	J	3	16	10	J	52	12	3	S		
224.3	3.1	2.9	R3	13	1	0	–	–	–	0	–	–	–	11	13	10	S		
227.4	3.1	2.6	R3	12	1	0	–	–	–	1	16	10	J	19	13	8	S		
230.4	3.1	1.5	R2	11	1	2	17	10	J	1	17	10	J	37	12	7	S		
233.5	3.1	2.2	R2	12	1	0	–	–	–	0	–	–	–	20	12	8	S		
236.5	3.0	2.1	R2	11	1	0	–	–	–	1	18	10	J	23	12	8	S		
239.6	3.1	2.2	R2	11	3	3	15	10	J	8	16	9	J	21	12	8	S		
242.6	3.0	2.9	R3	14	2	0	–	1	–	1	18	10	J	8	12	10	S		
245.7	3.1	2.5	R2	9	1	0	–	–	–	1	16	10	J	21	12	8	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

Units: Feet / Metres Date: Mar. 4/91 Logged By: D. Halliwell Page 84 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
248.7	3.0	2.7	R2	10	1	0	–	–	–	1	14	10	J	21	12	8	S	NQ	
251.8	3.1	2.6	R2	12	2	1	18	10	J	0	–	–	–	19	12	8	S		
254.8	3.1	2.6	R2	12	1	0	–	–	–	1	19	10	J	22	12	8	S		
257.9	3.1	2.2	R2	12	1	1	14	10	J	3	14	10	J	28	12	6	S		
260.9	3.0	2.5	R2	11	1	1	16	10	J	1	13	10	J	19	12	8	S		
264.0	3.0	2.7	R2	12	1	0	–	–	–	0	–	–	–	24	12	7	S		
267.0	3.1	2.6	R2	12	1	0	–	–	–	0	–	–	–	22	12	8	S		
269.3	2.0	0.6	R1	6	4	2	15	10	G	3	15	10	J	40	13	4	S		clayey fault gouges
272.3	3.1	3.0	R3	14	1	0	–	–	–	0	–	–	–	7	13	10	S		
275.4	3.0	2.5	R3	13	1	0	–	–	–	1	13	10	S	12	13	10	S		
278.4	3.1	3.0	R3	14	1	0	–	–	–	1	16	10	J	5	13	10	S		
281.5	3.1	2.8	R3	13	1	0	–	–	–	2	14	10	S	10	13	10	S		
284.5	3.1	3.1	R3	14	1	0	–	–	–	2	12	10	S	4	13	10	S		
287.6	3.1	2.9	R2	15	1	1	15	10	J	2	13	10	S	20	12	8	S		
290.6	3.1	2.5	R2	13	1	1	14	10	J	1	13	10	S	25	12	7	S		
293.8	3.2	1.9	R2	13/10	2	1	16	10	J	3	14	10	J	42	12	4	S,G		clayey fault gouge
296.9	3.1	1.8	R2	8/14	2	1	16	10	J	4	14	10	J	39	11	4	S,G		clayey fault gouge
300.1	3.2	2.0	R2	13	1	1	15	10	J	3	14	10	S	31	11	6	S		
303.1	3.1	1.9	R2	12/8	2	2	16	10	J	1	16	10	J	37	10	4	S		
306.3	3.1	2.6	R2	13	1	1	16	10	J	1	12	10	J	20	11	8	S		
308.2	2.0	1.7	R2	13	1	0	–	–	–	2	14	10	J	14	12	10	S		
311.2	3.0	2.3	R2	12	1	0	–	–	–	2	12	10	S,J	23	11	8	S		
314.2	3.1	2.5	R2	13	2	0	–	–	–	1	14	10	J	25	10	7	S		
317.4	3.1	2.3	R2	13	1	0	–	–	–	2	14	10	S,J	30	10	6	S		
318.8	1.4	1.2	R2	14	1	0	–	–	–	0	–	–	–	4	10	10	S		
321.9	3.0	2.5	R2	12	1	0	–	–	–	1	16	10	J	28	10	6	S		
324.9	3.0	1.1	R2	14/9	1	0	–	–	–	0	–	–	–	31	10	6	S		
328.0	3.1	2.3	R2	11	1	1	14	10	J	1	15	10	S	34	11	7	S		
331.0	3.0	2.3	R2	12	2	1	16	10	J	2	14	10	J	23	11	6	S		
334.1	3.1	2.7	R2	13	1	0	–	–	–	1	12	10	S	22	11	8	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

Units: Feet / Metres Date: May 9/91 Logged By: D. Hallinell Page 55 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w/r/t CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
337.1	3.0	2.5	R2	14	1	0	-	-	-	2	12	10	S	20	10	8	S	NQ	
340.2	3.1	1.5	R2	10	1	0	-	-	-	0	16	10	J	15	12	10	S		
343.2	3.0	2.5	R2	13	1	0	-	-	-	0	-	-	-	21	11	8	S		
346.3	3.1	2.5	R2	12	1	0	-	-	-	1	16	10	J	28	12	6	S		
349.3	3.0	2.4	R2	13	1	0	-	-	-	0	-	-	-	27	12	7	S		
352.3	3.0	2.3	R2	13	1	0	-	-	-	0	-	-	-	27	10	6	S		
355.4	3.0	1.9	R2	12	1	0	-	-	-	1	11	10	S	37	10	5	S		
358.4	3.1	2.6	R2	13	1	0	-	-	-	2	14	10	J	15	11	10	S		
361.5	3.1	1.8	R2	12	1	0	-	-	-	2	14	10	J	37	10	5	S		
364.5	3.0	2.1	R2	10	1	0	-	-	-	1	11	10	S	37	10	5	S		
367.6	3.1	2.0	R2	8/12	1	1	16	10	J	2	12	10	S,J	41	10	4	S		
369.0	1.1	0.2	R1	7	2	1	16	10	J	3	12	10	J	37	9	5	SG		clayey fault gouge
370.6	1.6	0.4	R1	8	3	1	14	10	J	1	14	10	J	53	10	3	S		
373.7	3.1	1.7	R2	12	1	0	-	-	-	4	16	10	J	41	11	3	S		
376.7	3.0	1.8	R2	12	1	0	-	-	-	2	16	10	J	41	10	4	S		
379.8	3.1	2.3	R2	13	1	1	16	10	J	3	14	10	J	29	11	6	S		
382.8	3.0	2.1	R2	12	1	1	9	10	J	4	16	10	J	30	11	6	S		
385.9	3.1	1.8	R2	12	1	0	16	10	J	3	16	10	J	37	11	6	S		
388.9	3.1	1.8	R2	11	1	0	-	-	-	0	-	-	-	38	10	4	S		
392.0	3.1	1.2	R2	11	1	0	-	-	-	0	-	-	-	27	11	5	SG		clayey fault gouge
395.0	2.7	1.8	R2	12	1	0	-	-	-	0	-	-	-	58	10	3	S		
398.1	3.0	1.1	R2	9	1	1	14	10	J	1	14	10	J	23	10	8	S		
401.1	3.1	2.2	R2	12	1	1	16	10	J	1	16	10	J	23	10	8	S		
404.2	3.0	2.0	R2	15	1	0	-	-	-	1	16	10	J	25	10	7	S		
407.2	3.1	2.3	R2	14	1	0	-	-	-	4	16	10	S,J	23	10	8	S		
410.3	3.0	2.8	R2	14	1	0	-	-	-	0	-	-	-	28	12	6	SG		clayey fault gouge
413.2	3.0	2.4	R2	2/13	1	1	16	10	J	4	13	10	S	26	12	5	S		
416.2	3.1	2.4	R2	14/8	1	1	14	10	J	4	10	10	S	47	10	3	S		
419.3	3.1	1.8	R2	12/9	2	2	13	10	J	3	12	10	S	55	11	3	SG		clayey fault gouge
422.3	3.0	1.4	R2	8/11	2	1	14	10	J	3	16	10	J	37	11	7	S		
425.3	3.1	2.2	R2	13	1	0	-	-	-	3	12	10	J						

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

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Units: Feet / Metres Date: Mar. 9/91 Logged By: D. Halliwell Page 86 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
428.4	3.1	1.2	R2	11	1	Ø	—	—	—	2	16	10	J	56	9	3	S	NQ	
431.6	3.1	Ø.9	R2	10	1	1	16	10	J	4	14	10	J	63	11	3	S		
434.6	2.9	1.6	R1/R2	5/12	2	Ø	—	—	—	Ø	—	—	—	58	11	3	S.G.		days gouge
437.1	2.5	1.5	R2	11	1	2	16	10	J	5	11	10	J	55	11	3	S		
440.1	3.1	1.9	R2	6/13	1	1	14	10	J	1	14	10	J	48	8	3	S		
443.2	3.1	1.2	R2	13/7	1	Ø	—	—	—	3	16	10	J	59	9	3	S		
443.8	0.6	0.0	R2	9	1	1	16	10	J	1	16	10	J	16	9	9	S		
445.0	1.1?	Ø.1	R1/R2	3/8	4/2	Ø	—	—	—	1	14	10	J	39	8	4	S	BQ	
446.8	1.9	0.0	R2	10	1	Ø	—	—	—	Ø	—	—	—	28	10	6	S		
449.3	2.1	Ø.8	R2/R1	12/4	1	Ø	—	—	—	4	12	10	S	73	11	2	S		
452.5	3.Ø	Ø.7	R2	12	1	1	16	10	J	2	14	10	J	57	9	3	S		
455.5	3.Ø	Ø.9	R2	11	1	Ø	—	—	—	2	14	10	J	72	9	3	S		
458.6	3.1	Ø.6	R2	10/6	1	1	2	10	G	Ø	—	—	—	77	8	3	S		
461.8	3.1	1.2	R2	13	1	2	16	10	J	Ø	—	—	—	45	10	4	S		
464.5	2.8	Ø.8	R2	12/6	1	1	16	10	J	1	14	10	J	46	8	4	S		
467.6	3.1	1.7	R2	13	1	Ø	—	—	—	1	16	10	J	47	9	4	S		
470.6	3.Ø	Ø.7	R2	9	1	1	15	10	J	1	16	10	J	61	8	3	S		
472.1	1.4	Ø.2	R2	9/6	1	1	16	10	J	1	16	10	J	34	12	6	S		
474.1	2.Ø	Ø.3	R2	2/8	1	1	16	10	J	1	14	10	J	37	11	5	S		
476.6	2.5	Ø.Ø	R2	9	1	1	15	10	J	3	13	10	J	55	12	3	S		
478.4	1.7	Ø.3	R2	9	1	2	16	10	J	1	14	10	J	37	11	5	S		
481.4	2.8	Ø.5	R2	13	1	1	17	10	J	3	14	10	J	59	11	3	S		
483.2	1.5	Ø.1	R2	9	1	1	16	10	J	1	14	10	J	40	9	4	S		
486.3	3.1	1.8	R2	13	1	Ø	—	—	—	1	14	10	J	36	9	5	S		
489.5	3.2	1.2	R2	14	1	Ø	—	—	—	3	14	10	J	48	8	3	S		
492.7	3.2	1.5	R2	14	1	1	14	10	J	2	14	10	J	48	10	3	S		
495.7	3.1	1.9	R2	13	1	Ø	—	—	—	1	14	10	J	37	9	5	S		
497.4	1.4	Ø.3	R2	9	1	Ø	—	—	—	1	14	10	J	36	9	5	S		
498.3	Ø.9	Ø.2	R2	8	1	1	14	10	J	1	16	10	J	27	9	6	S		
500.2	1.8	Ø.1	R3	9	1	2	14	10	J	1	16	10	J	69	11	3	S		
502.8	2.6	Ø.3	R2	11	1	1	16	10	J	Ø	—	—	—	75	10	3	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

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Units: Feet / Metres Date: Mar. 11/91 Logged By: D. Halliwell Page 87 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
504.0	0.7	0.0	R2	8	1	1	14	10	J	1	14	10	J	52	9	3	S	BQ	
504.9	0.7	0.0	R2	5	2	1	13	10	J	1	12	10	S	37	9	5	S		
505.5	0.7	0.0	R2	5/8	3	0	—	—	—	3	14	10	J	30	10	6	S		
508.5	2.5	0.9	R2	6/12	2	1	14	10	J	2	12	10	S	47	11	4	S		
511.6	3.1	1.5	R2	12	1	1	14	10	J	2	14	10	J	53	11	3	S		
512.8	1.2	0.0	R2	7	1	1	14	10	J	1	16	10	J	46	10	4	S		
515.9	3.2	1.0	R2	11	1	1	14	10	J	1	16	10	J	71	10	3	S		
519.1	3.2	1.4	R2	10	2	1	16	10	J	2	14	10	S	60	11	3	S		
522.0	3.0	0.8	R2	14/8	2	0	—	—	—	4	16	10	J	65	9	3	S		
525.0	3.0	0.3	R2	8	1	0	—	—	—	1	16	10	J	80	10	2	S		
526.4 527.3	1.4 0.7	0.2 0.2	R2 R2	8 8	1 2	1	14	10	J	0	15	10	J	63 27	11 10	3 7	S S		
528.7	1.4	0.1	R2	9/6	2	1	14	10	J	2	15	10	J	41	11	4	S		
531.7	3.1	1.4	R2	12	1	0	—	—	—	1	14	10	J	60	11	3	S		
534.8	3.1	1.6	R2	12	1	0	—	—	—	1	15	10	J	39	10	4	S		
537.7	2.8	1.0	R2	12	1	0	—	—	—	3	14	10	S	35	9	5	S		
539.0	0.6	0.0	R2	8	2	0	—	—	—	2	14	10	S	16	12	8	S		
541.5	2.2	0.6	R2	9	1	1	14	10	J	2	15	10	J	37	11	5	S		
541.9	0.4	0.0	R2	8	1	0	—	—	—	1	14	10	J	18	11	9	S		
544.7	2.8	0.2	R2	8	1	1	14	10	J	3	14	10	S	76	9	2	SG		clamp gouge
547.0	2.2	0.2	R2	8/6	1	0	—	—	—	0	—	—	—	68	9	2	S		
549.8	2.9	0.1	R2	6/8	1	1	16	10	J	5	14	10	S	99	10	2	S		
551.8	2.0	0.5	R2	11	1	0	—	—	—	4	12	10	S	52	9	3	S		
554.7	2.9	0.2	R2	9	1	2	14	10	J	2	10	10	S	84	9	2	S		
557.0	2.5	0.5	R2	10	1	1	14	10	J	3	12	10	S	101	9	2	S		
558.7	1.6	0.5	R2	10	1	1	15	10	J	3	14	10	SG	26	9	7	S		graphitic gouge
560.2	1.5	0.8	R2	11	1	0	—	—	—	1	12	10	S	25	11	7	S		
561.6	1.5	0.0	R2	7	1	0	—	—	—	3	12	10	S	53	11	3	S		
564.6	3.2	1.6	R2	11	1	0	—	—	—	3	15	10	S	53	11	3	S		
567.7	3.1	1.9	R2	12	1	0	—	—	—	2	14	10	S	57	11	5	S		
570.4	2.6	2.0	R2	13/8	2	1	15	10	J	4	12	10	S	23	10	2	S		

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GEOTECHNICAL LOG

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Units: Feet / Metres Date: Mar. 11/91 Logged By: D. Halliwell Page 88 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
571.8	1.3	0.3	R2	9	3	1	15	10	J	2	11	10	S	34	12	5	S	BQ	
574.4	2.4	0.0	R2	3/6/3	4/2/3	0	–	–	–	0	–	–	–	105	8	2	S		
575.9	0.3	0.0	R2	6/1	2	1	10	10	J	1	11	10	S	19	8	8	S		
576.5	0.8	0.0	R2	6	2	1	10	10	J	4	10	10	S	37	9	5	S		
577.1	0.5	0.0	R2	7	1	0	–	–	–	2	16	10	J	24	9	7	S		
580.2	3.1	0.5	R2	11	1	0	–	–	–	4	14	10	S	80	9	2	S		
583.2	3.3	1.0	R2	13/6	2	1	14	10	J	4	14	10	J	100	9	2	S		
584.7	1.5	0.1	R2	4	2	2	12	10	J	4	14	10	J	35	11	2	S		
585.8	1.2	0.0	R2	3	2	3	16	10	J	5	15	10	J	30	10	3	S		
588.1	1.4	0.3	R2	10	1	2	16	10	J	2	15	10	J	33	10	3	S		
588.9	0.3	0.0	R2	7	2	2	15	10	J	1	14	10	J	5	11	3	S		
591.1	0.8	0.1	R2/R1	10/4	2	1	16	10	J	3	10	10	S	24	9	7	S		
593.0	1.9	0.4	R2	13	1	1	15	10	J	1	14	10	J	35	9	5	S		
594.2	1.0	0.0	R2	8	1	1	16	10	J	4	12	10	J	38	9	4	S		
597.2	3.2	0.8	R2	12	1	1	14	10	J	6	10	10	S	72	9	3	S		
600.3	2.8	0.7	R2	13	1	1	16	10	J	0	–	–	–	75	10	3	S		
603.3	3.0	2.4	R2	12	1	0	–	–	–	2	16	10	S	40	9	3	S		
606.4	3.1	0.3	R2	7	1	2	15	10	J	2	10	10	J	130	11	2	S		
607.3	0.9	0.0	R2	6	1	1	15	10	J	4	10	10	S	45	9	4	S		
608.1	0.6	0.0	R2	5	1	1	15	10	J	1	15	10	J	28	9	8	S		
609.1	1.0	0.0	R2	5	1	1	16	10	J	1	16	10	J	46	9	4	S		
610.3	1.2	0.4	R2	10	1	0	–	–	–	1	15	10	J	36	14	5	J		
611.0	0.7	0.2	R2	9	1	2	16	10	J	1	17	10	J	14	14	9	S		

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Interval From	Interval To	Length [m]	#Joints	Li	S2	S1 Hardness	Large(A)	Small(B)	AH(C)	Fill(D)	S3 = (6A+4B+4C+2D)/40	RMR = $\sum_{i=1}^{3} S_i$
292.3	295.2	2.9	54	19	5	3	100	84	75	50	12.75 ≃ 13	21
	299.7	4.5	33	7	15	4	95	84	100	50	16.15 ≃ 16	35
	302.6	2.9	36	12	12	4	100	60	75	50	12.50 ≃ 13	29
	303.6	1.0	9	9	11	4	100	85	75	50	14.63 ≃ 15	30
	308.2	4.6	33	7	15	4	100	81	75	50	12.75 ≃ 13	32
	309.2	1.0	17	17	9	4	100	84	75	50	12.75 ≃ 13	26
	313.5	4.3	33	8	14	4	100	60	100	50	16.50 ≃ 17	35
	314.5	1.0	13	13	8	3.5	100	60	75	50	12.50 ≃ 13	24.5
	320.3	5.8	34	6	13.5	4	100	74	100	50	17.25 ≃ 23	37.5
	321.9	1.6	16	10	10	4	100	84	75	50	14.85 ≃ 15	29
	323.6	1.7	10	6	13.5	4	100	83	75	50	10.58 ≃ 11	28.5
	325.2	1.6	23	14	8	4	100	60	75	50	9.50 ≃ 9	21
	327.5	2.3	17	7	15	4	100	84	100	50	17.33 ≃ 17	36
	328.5	1.0	25	25	3.5	3.5	100	84	75	50	12.75 ≃ 13	20

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Interval From	To	Length [m]	#Joints	1/1	S2	S1 (Hardness)	Length(A)	Small(B)	Alt.(C)	Fill(D)	S3 = (1A+1B+1C+1D)/10	RMR = $\sum_{i=1}^{6} S_i$
333.9	5.4	29	5	15	4	100	84	75	50	12.75 ≃ 13	32
334.5	0.6	7	12	9	4	100	84	100	50	[illegible]	≃ [illegible]
337.1	2.6	23	9	10.5	4	90	85	100	50	17.82 ≃ 18	32.5
337.9	0.8	8	10	10	4	100	84	100	[illegible]	[illegible] ≃ 17	31
340.8	2.9	16	6	13.5	4	100	60	100	50	16.80 ≃ 17	34.5
343.0	2.2	14	6	13.5	4	100	84	75	50	[illegible] ≃ 13	29.5
348.6	5.6	42	8	11	4	100	60	75	50	12.50 ≃ 13	31
349.5	0.9	9	10	10	4	100	85	75	50	14.85 ≃ 15	29
351.8	2.3	15	7	12	4	100	84	75	50	12.75 ≃ 13	29
354.4	2.6	27	10	10	4	100	84	75	50	12.75 ≃ 13	29
355.6	1.2	19	16	6	4	100	84	75	50	12.75 ≃ 13	21
358.9	3.3	14	4	16.5	4	100	85	100	50	19.80 ≃ 20	40.5
360.3	1.4	20	14	10.5	4	100	60	75	50	12.60 ≃ 13	27.5
362.0	1.7	[illegible]	[illegible]	8	3	100	84	[illegible]	[illegible]	12.75 ≃ 13	24

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Interval From To	Length [m]	#Joints	#/m	S2	S1 (Hardness)	Large(A)	Small(B)	Alt.(C)	Fill(D)	S3 = (.1A+.1B+.1C+.1D)40	RMR = $\sum_{i=1}^{3} S_i$
364.2	2.2	29	13	10.5	4.	100	85	75	50	14.85 ≃ 15	29.5
365.6	1.4	20	14	8	4.	100	84	75	50	12.75 ≃ 13	25
367.6	2.0	20	10	12	4.	100	84	75	50	12.75 ≃ 13	29
370.6	3.0	125	42	0	2.5	100	84	75	80	20.40 ≃ 20	22.5
371.8	1.2	27	23	4	3.5	100	84	75	50	14.85 ≃ 15	22.5
376.6	4.8	65	14	11	4	100	84	75	80	20.16 ≃ 20	35
381.5	4.9	39	8	14	4	100	84	75	50	15.65 ≃ 16	34
382.7	1.2	21	18	6	3.5	100	75	75	50	12.75 ≃ 13	22.5
387.2	4.5	49	11	9	4	100	85	75	50	12.75 ≃ 13	26.
388.1	0.9	24	27	3	4	100	84	75	50	15.12 ≃ 15	22
392.3	4.2	43	10	11	4	100	60	75	50	9.05 = 9	24
394.6	2.3	18	8	14	4	100	84	75	50	12.65 ≃ 13	31
398.1	3.5	67	19	8	2	100	60	75	20	[illegible] ≃ 7	17
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ≃ 12	[illegible]

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Interval From	To	Length [m]	#Joints		S2	S1 (Hardness)	Large(A)	Small(B)	AH.(C)	Fill(D)	S3 = (1A+1B+1C+1D)40	RMR = $\sum_{i=1}^{3} S_i$
364.2		2.2	29	13	10.5	4.	100	85	75	50	14.85 ≃ 15	29.5
365.6		1.4	20	14	8	4.	100	84	75	50	12.75 ≃ 13	25
367.6		2.0	20	13	12	4.	100	84	75	50	12.75 ≃ 13	29
370.6		3.0	125	42	5	2.5	100	84	75	85	20+5 ≃ 25	22.5
371.8		1.2	27	23	4	3.5	100	84	75	50	14.85 ≃ 15	12.5
376.6		4.8	65	14	11	4	100	84	75	85	20.15 ≃ 20	35
381.5		4.9	39	8	14	4	100	84	75	50	12.65 ≃ 13	31
382.7		1.2	21	18	6	3.5	100	75	75	50	12.75 ≃ 13	22.5
387.2		4.5	49	11	9	4	100	85	75	50	12.75 ≃ 13	26
388.1		0.9	24	27	3	4	100	84	75	50	15.12 ≃ 15	22
392.3		4.2	43	10	11	4	100	60	75	50	9.00 = 9	21
394.6		2.3	18	8	14	4	100	84	75	50	12.60 ≃ 13	31
398.1		3.5	67	19	8	2	100	60	75	20	5.55 ≃ 4	14