018124

CURRAGH RESOURCES INC.

Page 1 of 104

DIAMOND DRILL CORE LOG

Date: Jan. 25/91

Hole Number: 90DY-07

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: DY DECLINE

Claim:

Terr. Plane Co-ords.: 90768.60 N

597774.60 E

Grid Co-ords:

Elevation: 10342.0

All symmetry determinations looking

Total Depth: 686.71

____ with ____ dipping

Inclination: VERTICAL

____ with dip azimuth ____.

Purpose: TO TEST ROCK QUALITY ALONG TRACE OF DY DECLINE

Reason hole Terminated: HOLE REACHED DESIRED DEPTH

Logged by: D. R. HALLIWELL / J. Zbac Date(s) Logged:

Drilling Contractor: CARON DIAMOND DRILLING

	Size	CORE From	To
	BQ	8.4	686.71

Collar Cased and Capped: ____

Hole Cemented: NO Steel down Hole: NO

Assay Lab: N. A. L.

Certificate No's: N. A.

Started: ____ Completed: ____

SPERRY-SUN DRILLING SERVICES

CURRAGH RESOURCES INC.
90DY-07

1990 12 01
CX-LB-00690

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0.00	0.42	42.86	0.00	0.00	0.00	0.00	0.00
50.00	0.25	9.72	50.00	0.24 N	0.14 E	0.08	0.50
100.00	0.33	319.66	100.00	0.46 N	0.07 E	0.29	0.52
150.00	0.52	314.59	150.00	0.73 N	0.19 W	0.66	0.38
200.00	0.62	307.49	199.99	1.05 N	0.56 W	1.15	0.24
250.00	1.00	301.18	249.99	1.44 N	1.15 W	1.84	0.79
300.00	1.35	295.10	299.98	1.92 N	2.06 W	2.80	0.74
350.00	1.58	298.01	349.96	2.49 N	3.20 W	4.00	0.49
400.00	1.75	300.93	399.94	3.21 N	4.46 W	5.38	0.37
450.00	1.97	297.84	449.92	4.00 N	5.88 W	6.92	0.48
500.00	2.25	297.75	499.88	4.86 N	7.50 W	8.66	0.57
550.00	2.78	304.65	549.83	6.00 N	9.37 W	10.76	1.22
600.00	3.23	308.57	599.76	7.57 N	11.47 W	13.34	0.99
650.00	3.73	310.24	649.67	9.50 N	13.82 W	16.35	1.02
700.00	4.02	310.16	699.56	11.69 N	16.40 W	19.70	0.57
750.00	4.27	310.08	749.43	14.01 N	19.16 W	23.29	0.50
800.00	4.25	308.00	799.29	16.35 N	22.04 W	26.96	0.31
850.00	4.50	309.93	849.14	18.75 N	25.01 W	30.73	0.58
900.00	4.52	309.85	898.99	21.27 N	28.02 W	34.63	0.04
950.00	4.88	310.79	948.82	23.92 N	31.15 W	38.69	0.75
1000.00	5.12	315.73	998.63	26.91 N	34.31 W	43.04	0.98
1050.00	5.52	317.68	1048.41	30.28 N	37.49 W	47.67	0.88
1100.00	5.72	317.64	1098.17	33.90 N	40.78 W	52.56	0.40
1150.00	5.87	317.43	1147.92	37.62 N	44.19 W	57.61	0.30
1200.00	6.00	313.39	1197.65	41.30 N	47.82 W	62.77	0.88
1250.00	6.17	309.36	1247.37	44.80 N	51.79 W	68.04	0.92
1300.00	6.50	309.33	1297.07	48.30 N	56.06 W	73.50	0.67
1350.00	6.75	310.30	1346.73	51.99 N	60.49 W	79.22	0.55
1400.00	6.67	310.26	1396.39	55.77 N	64.95 W	85.01	0.17
1450.00	6.67	310.23	1446.05	59.52 N	69.38 W	90.77	0.01
1500.00	6.67	312.20	1495.71	63.34 N	73.74 W	96.54	0.46
1550.00	6.47	312.09	1545.38	67.18 N	77.98 W	102.24	0.40
1600.00	6.25	310.04	1595.08	70.82 N	82.16 W	107.74	0.63
1650.00	6.25	313.00	1644.78	74.42 N	86.23 W	113.15	0.64
1700.00	5.52	312.92	1694.52	77.92 N	89.98 W	118.26	1.47
1750.00	4.75	311.84	1744.32	80.93 N	93.28 W	122.72	1.55
1800.00	4.62	320.78	1794.15	83.87 N	96.10 W	126.79	1.48
1850.00	4.53	330.71	1843.99	87.16 N	98.34 W	130.72	1.59
1900.00	4.47	340.65	1893.84	90.72 N	99.95 W	134.43	1.56
1950.00	4.28	341.43	1943.69	94.32 N	101.19 W	137.93	0.39

SPERRY-SUN DRILLING SERVICES

CURRAGH RESOURCES INC.
90DY-07

1990 12 01
CX-LB-00690

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
2000.00	4.38	346.36	1993.55	97.95 N	102.24 W	141.30	0.77
2050.00	4.48	351.27	2043.40	101.74 N	102.98 W	144.60	0.78
2100.00	4.27	351.20	2093.25	105.51 N	103.56 W	147.77	0.43
2150.00	4.25	355.11	2143.12	109.19 N	104.01 W	150.78	0.58
2200.00	4.53	4.98	2192.97	113.01 N	103.99 W	153.57	1.61

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET
THE VERTICAL SECTION WAS COMPUTED ALONG 317.38° (TRUE)

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE DISPLACEMENT IS 153.57 FEET, IN THE DIRECTION OF 317.38° (TRUE)

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH 90DY-07 (2–8)

Date: Jan 25/91 Logged By: D. Halliwell

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	90DY-07	1034.20	9007686.0	597774.60	METRES		

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 9ØDY-Ø7

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 25/91 Logged By: D Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	ØØ	84		ØØ1	1,1A	CASING: GLACIAL OVERBURDEN. Contains boulders, cobbles of pebbles of SBØ, 1ØQ; often limonitized
L	84	1Ø2		ØØ2	SBØ	(1ØQ#) 9Ø:1Ø LIMONITIZED, BROKEN CORE. Light to medium grey with buff-white-ochre carbonate-quartz ± limonite laminae/bands following S_1/S_2, CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately calcareous. Limonite may be after pyrite. Poor core recovery, RQD. Gradational upper and lower contacts parallel S_2. Soft to moderately soft. White-buff-ochre quartz-calcite-limonite bands as concordant veins subparallel S_2. Moderately calcareous. Calcite has limonite stain. Hard. Sharp contacts with SBØ subparallel S_2.
L	1Ø2	144		ØØ3	SBØ	LIMONITIZED. Light to medium grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft to soft. Trace disseminated fresh (not-limonitized) pyrite as euhedral cubes. Very good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
L	144	17Ø		ØØ4	SBØ2	LIMONITIZED. Medium to dark grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery dark grey and ochre (limonite) fracture surfaces. Soft to moderately soft. Trace disseminated pyrite.

DDH 92DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 25/91 Logged By: D Hallinan

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	36
						Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
L	170	210		005	5B0	(5B02) 80:20 LIMONITIZED.
						Light to medium grey with buff-white ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Soft to moderately soft. Intensely limonitized fracture at low CA angle at 19.0-19.3. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2.
						Medium to dark grey slightly more carbonaceous subunit is less calcareous, softer and has gradational contacts with 5B0.
L	210	297		006	5B6	(100#) 90:10 WEAKLY LIMONITIZED.
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix with calcareous bands, laminae. CS_2 and PS_2 foliated. Silvery grey and rare ochre (limonite) fracture surfaces. Moderately soft to soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparallel S_2 are moderately calcareous, hard, contain wisps of olive green-grey Mg-chlorite and black Fe-chlorite and have sharp contacts with 5B6.
L	297	342		007	5B0	(100*:5B20) 95:04:01 NON-LIMONITIZED
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces.

DDH 92DY-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 25/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Moderately soft. Trace disseminated pyrite as euhedral cubes and deformed cubes. Good core recovery (small core loss at 32.3-35.4). Good RQD. Gradational upper and lower contacts. White-buff quartz-calcite bands or concordant veins subparalleling S_2 are moderately calcareous, hard, contain wisps of Mg-chlorite and have sharp contacts with 5B0.
L	34 2	38 8		008	5B6	(100#) 95:05
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to hard. Trace disseminated pyrite as euhedral cubes (≤1mm). Very good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparalleling S_2 are moderately calcareous, hard, contain trace disseminated pyrite and black Fe-chlorite, and have sharp contacts with 5B6.
L	38 8	43 4		009	5B0	(100#) 85:15
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and (trace) pyrrhotite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins are weakly calcareous, hard, contain wisps of olive green grey Mg-chlorite, and has sharp contacts with 5B0.
L	43 4	45 2		010	5B02	(100#) 95:05

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 25/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to weakly calcareous (outside matrix). PS_2 and CS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite as euhedral cubes (≤ 6mm). Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-buff quartz-calcite bands or concordant veins subparallelling S_2 are calcareous, hard, contain olive green-grey Mg-chlorite wisps and have sharp contacts with 5B62.
L	4,52	4,69		Ø1,1	5B,6	(100#) 80:20
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2, CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper contact. Sharp lower contact at CA 55°. (Non-calcareous matrix).
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain wisps of black Fe-chlorite and have sharp contacts with 5B6 subparallel S_2.
L	4,69	4,73		Ø1,2	5BØ	BROKEN CORE.
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. CS_2 foliated. Weakly calcareous. Silvery grey and (rare) ochre (limonite) fracture surfaces. Grey clayey gouge near lower contact. Poor core recovery, RQD. Friable to blocky broken core throughout. Sharp upper contact at CA 55°. Sharp lower contact at CA 85°.
L	4,73	5,23		Ø1,3	5BØ	(100#: 5BØ2) 75:20:05
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2.

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 25/91 Logged By: D. Hallinan

Code	From	To	Recov.	No.	Unit	Description
						Strongly calcareous (quickly etched by 10% HCl acid). CS and PS foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and (rare) pyrrhotite as euhedral cubes. Very good core recovery, RQD. Sharp upper contact at CA 85°. Fairly sharp lower contact at CA 70°.
						Medium to dark grey more carbonaceous unit is less calcareous, softer and have gradational contacts with SB0.
						White to buff quartz-calcite bands or concordant veins subparalleling S_0 are moderately calcareous, hard, contain olive green grey Mg-chlorite and have sharp contacts with SB0, SB02. Some black Fe-chlorite contained with olive green Mg-chlorite.
L	512.3	514		014	SB02	
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS and PS foliated. Silvery grey fracture surfaces and frequent ochre (limonite) Moderately soft to soft. No sulphides. Very good to good core recovery. Fair to poor RQD. Blocky core at 57.9-52.5 with limonite fractures. Fairly sharp upper contact at CA 70°. Sharp lower contact with 100 at CA 80°.
L	514	571		015	100%	(SB02) 80:20
						White-buff ochre quartz-calcite-limonite bands or concordant veins subparallel S_0. Moderately calcareous PS foliated. Silvery grey and ochre (limonite) fracture surfaces. Hard. No sulphides. Good core recovery. Poor to fair RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 75°.
						Dark grey carbonaceous phyllite sub-unit is weakly calcareous. PS foliated, moderately soft to soft and has sharp contacts with 100%. Dark grey fracture surfaces.

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 25/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	36
L	57.1	58.7		Ø1.6	5BØ	BROKEN FRIABLE TO BLOCKY CORE.
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and (rare) ochre (limonite) fracture surfaces. Friable to blocky, broken core. Fair core recovery. Poor RQD. Sharp upper and lower contacts parallel S_2.
L	58.7	59.8		Ø1.7	5BØ2	
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair RQD. Sharp upper contact parallel S_2. Gradational lower contact.
L	59.8	62.2		Ø1.8	5BØ2	(1ØQ#) 8Ø:2Ø
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. RQD. Gradational upper and lower contacts parallel S_2.
L	62.2	96.8		Ø1.9	5BØ	(5BØ2:1ØQ#:5BZØ) 8Ø:1Ø:Ø8:Ø2
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and (rare) ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤4mm). Very good core recovery. Good RQD. Blocky core at 80.9-81.1. Grada-

DDH 90DY-07

CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	36
						Tonal upper contact parallel S_2. Sharp lower contact at CA 90°.
						Dark grey 5B02 and 5B20 subunits have buff-white carbonate-quartz laminae/
						bands following S_1/S_2, are calcareous, CS_2 and PS_2 foliated, moderately soft and have
						gradational contacts with 5B0 parallel S_2.
						White-buff quartz-calcite ± dolomite bands or cannabed veins are moderately calcareous,
						hard, contain wisps of olive-green-grey Mg-chlorite and lesser black Fe-chlorite, and have
						sharp contacts with 5B0, 5B02 and 5B20.
L	9 6 8	9 7 3		0 2 0	5 B 0	BLOCKY TO FRIABLE BROKEN CORE.
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2.
						Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately
						soft to soft. No sulphides. Fair core recovery. Poor RQD. Blocky to friable broken core
						with grey clayey gouge near upper contact. Sharp upper and lower contacts at CA 80°
						parallel S_2.
L	9 7 3	1 0 3	0	0 2 1	5 B 6	(5B62) 90:10
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2.
						Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately
						soft. Trace disseminated pyrite. Good core recovery, RQD. Gradational upper and lower
						contacts.
						Medium to dark grey meta-carbonaceous subunit is calcareous, softer and
						has gradational contacts with 5B6.

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	36
L	1030	1085		022	5BØ	(100#) 95:05 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite as euhedral cubes (≤1mm). Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. Grey clayey fault gouge at 105.05-105.15. at ∠ 45°. White-buff quartz-calcite bands or concordant veins subparallel S_2 are calcareous, hard and have sharp contacts with 5BØ.
L	1085	1096		Ø23	5B6	(100#) 80:20 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational contacts parallel S_2. White-buff quartz-calcite bands and concordant veins subparallelling S_2 are calcareous, hard, pyritiferous, Mg-chlorite bearing and have sharp contacts with 5B6.
L	1096	1212		Ø24	5BØ	(100#:5BØ2) 98:02:02 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤3mm). Very good core recovery. Good RQD. Gradational upper contact and lower contact. White-buff quartz-calcite bands or concordant veins subparallel S_2 are calcareous, hard and have sharp contacts with 5BØ.

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 25/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliation. Dark and silver grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite. Gradational contacts with SBØ.
L	1215	1242		Ø25	SB6	(1ØØ#) 9Ø:1Ø
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparallel S_2 is calcareous, hard, contains wisps of olive green grey Mg-chlorite and has sharp contacts with SB6.
L	1242	1300		Ø26	SBØ	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
L	1300	1329		Ø27	SB62	(1ØØ#S) 7Ø:3Ø
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Some carbonaceous material (organic "trash", not graphite). No sulphides.

DDH 90DY-07

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Code	From	To	Recov.	No.	Unit	Description
						White-buff cream quartz-calcite-dolomite bands or concordant veins subparallel S_2. Weakly calcareous. Hard. Contain wisps of olive green-grey Mg-chlorite. Sharp contacts with 5B62.
L	1329	1379		028	5B6	(5B62: 100#) 90:06:04
						Light to medium grey with buff/white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery (some core loss at 134.3-135.9). Fair to poor RQD. Gradational upper contact. Sharp lower contact at Ct 80° Broken core at 133.5-135.9.
						Medium to dark grey with buff/white carbonate-quartz laminae/bands following S_1/S_2. Submit is non-calcareous, carbonaceous, softer and has gradational contacts with 5B6.
						White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard, contain wisps of olive green-grey Mg-chlorite, and have sharp contacts with 5B6, 5B62.
L	1379	1453		029	5B0	(100#) 98:02.
						Light to medium grey with buff/white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Sharp upper contact at Ct 80°. Sharp lower contact marked by quartz-calcite band or concordant vein at Ct 70°.
						White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard and have sharp contacts with 5B0.
L	1453	1493		030	5B6	(5B62: 100$#) 70:20:10

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 25/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
						Medium to light grey with buff/white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and FS_2 foliated. Silvery to dark grey fractures. Moderately soft to soft. Trace disseminated pyrite. Good core recovery. Fair to poor RQD. Sharp upper and lower contacts marked by quartz-carbonate bands or concordant veins subparallel S_2. Broken core throughout
						Medium to dark grey more carbonaceous sub-unit has carbonate-quartz laminae/bands following S_2, has dark grey fracture surfaces, is softer and has gradational contacts with 5B6. Non-calcareous.
						White-cream buff quartz-dolomite-calcite bands or concordant veins are weakly calcareous, hard, contain wisps of olive green Mg-chlorite ± fuchsite(?), contain trace disseminated pyrite and have sharp contacts with 5B6, 5B62.
L	149.3	150.6		031	5B02	(10Q#) 60:40
						Medium to dark grey with buff/white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. FS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite as euhedral cubes (<10mm). Good core recovery. Fair to poor RQD. Blocky to friable broken core at 149.4-149.9. Sharp upper contact subparallel S_2 marked by quartz-dolomite band or concordant vein. Gradational lower contact parallel S_2.
						White-cream buff quartz-dolomite ± calcite bands or concordant veins are weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and make sharp contacts with 5B02.
L	150.6	152.4		032	5B0	(10Q#) 98:02
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. FS_2 foliated. Silvery grey fracture surfaces. Moderately soft.

DDH 90DY-07

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Good core recovery. Fair to poor RQD. Blocky to friable broken core at 151.2-152.4, 152.6-153.3. Gradational upper and lower contacts parallel S_2. White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain wisps of olive green-gray Mg-chlorite and black Fe-chlorite and have sharp contacts with 5B0.
152.4	152.8		032	5B02	
					Medium to dark gray with carbonate-quartz laminae and bands following S_2. Calcareous and weakly carbonaceous (with no graphite). PS_2 foliated. Soft to moderately soft. Good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
152.8	155.0		033	5B6$	(100#) 90:10
					Light to medium gray with buff-white to ochre carbonate-quartz ± limonite laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Broken core at 152.8-153.3. White-buff quartz-calcite bands or concordant veins subparallell S_2 are moderately calcareous, hard, contain wisps of olive green-gray Mg-chlorite and black Fe-chlorite.
155.0	159.2		034	5B0	WEAKLY LIMONITIZED.
					Light to medium gray with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft to soft. Vuggy at 158.7. Limonitized (after pyrite?). Good core recovery. Poor RQD. Blocky to friable broken core at 156.6-159.2.

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 27/91 Logged By: D. Halliwell

From (10–14)	To (16–20)	Recov. (22–24)	No. (26–28)	Unit (30–34)	Description (35)
1592	1601		Ø35	5BØ2	LIMONITIZED. Medium to dark gray with buff-white laminae/bands following S_1/S_2 and ochre (limonite) fractures. Weakly calcareous and carbonaceous. CS_2 and PS_2 foliated. Moderately soft to soft. Limonitized (after pyrite?). Silvery gray, dark gray and ochre (limonite) fracture surfaces. Good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2. Blocky core throughout. Oxidizing waters moved through unit.
1601	1641		Ø36	5BØ	WEAKLY LIMONITIZED. Light to medium gray with buff-white laminae/bands following S_1/S_2 and ochre (limonite) fractures subparallel S_2. Moderately calcareous, CS_2 and PS_2 foliated. Silvery gray and ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 4 mm). Very good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
1641	1652		Ø37	5BØ2	(100#) 70:30. WEAKLY LIMONITIZED. Medium to dark gray with buff-white±ochre carbonate-quartz±limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery to dark gray and ochre (limonite) fracture surfaces. Moderately soft and soft. No sulphides, but cubiform vugs in quartz ± limonite suggest limonite is likely after pyrite. Good core recovery. Fair RQD. Blocky core at 164.1–164.5. Gradational upper and lower contacts parallel S_2. White-buff/ochre quartz-calcite-limonite bands or concordant veins subparallelling S_2 are calcareous, hard, vuggy (limonite after pyrite), contain wisps of olive-green, Mg-chlorite, and have sharp contacts with 5BØ2.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	165 2	173 5		Ø38	5B6$	(5BØ) 95:Ø5 WEAKLY LIMONITIZED. Light to medium grey with buff/white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Non-calcareous, for the most part. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Non-calcareous subunit is similar to the above.
	173 5	175 5		Ø39	5BØ	(5BØ2) 98:Ø2 WEAKLY LIMONITIZED. Light to medium grey with buff/white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite and (trace) pyrrhotite (first occurrence in hole), pyrrhotite rim-replaces pyrite to euhedral cubes. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. More carbonaceous subunit is dark grey, softer and has gradational contacts with 5BØ.
	175 5	176 4		Ø4Ø	5BØ2	VERY WEAKLY LIMONITIZED. Medium to dark grey with buff/white carbonate-quartz following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and occasional ochre (limonite) fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
	176 4	176 7		Ø41	5B2Ø	VERY WEAKLY LIMONITIZED. Dark grey with buff/white carbonate-quartz laminae/bands following S_1/S_2. Moderately

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					calcareous. Fairly carbonaceous with weak graphite (stained fingers). CS_2 and PS_2 foliated. Silvery dark grey and ochre (limonite) fracture surfaces. Soft. No sulphides. Fair core recovery. Fair to poor RQD. Gradational upper and lower contacts parallel S_2
1767	2014		042	5B0	(100#&$) 90:10 NON-LIMONITIZED. Light to medium grey with buff/white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite euhedral cubes (≤ 4mm) and (rare) pyrrhotite subhedral (pyrite?) pseudomorphs (≤ 5mm). Very good core recovery, RQD. Gradational upper contact parallel S_2. Sharp lower contact at ~80°, marked by quartz-calcite band or concordant vein.
					White-buff ± cream quartz-calcite ± dolomite bands or concordant veins subparallelling S_2 are moderately to weakly calcareous, hard, contain wisps of olive-green-grey Mg-chlorite and lesser black Fe-chlorite and have sharp contacts with 5B0.
2014	2082		043	5B6$	(100$) 97:03 Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. PS_2 and (lesser) CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
					White-cream quartz-dolomite bands or concordant veins subparallelling S_2 are weakly calcareous, hard, contain wisps of olive-green-grey Mg-chlorite and have sharp contacts with 5B6

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 27/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
2082	2089		044	5B02	&5B0. Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. Some less carbonaceous interval.
2089	2120		045	5B62	(10Q$) 60:40 Medium to dark grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-cream quartz-dolomite bands or concordant veins subparallel to S_2 are weakly calcareous, hard, contain olive green Mg-chlorite, and have sharp contacts with 5B62.
2120	2153		046	5B6$	(10Q$) 70:30 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-cream +or+ quartz-dolomite ± limonite bands or concordant veins subparallel to S_2 are weakly calcareous, hard and contain wisps of olive green-grey Mg-chlorite. Possible ankerite (weakly calcareous, yellowish-off colour carbonate). Sharp contacts with 5B6.

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Lithologic Log

Date: Jan 27/91 Logged By: P. Halliwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
215.3	218.4		047	SB6$	(1ØQ#) 95:Ø5 BLOCKY TO FRIABLE BROKEN CORE Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Fair to poor core recovery. Poor RQD. Blocky core at 215.3-215.7, 218.2-218.4. Friable core at 215.7-218.2. Gradational upper contact parallel S_2. Sharp lower contact at C+8Ø°. Mislatch at 217.7 (approx.), resulting in a loss of 3' of core). White-buff quartz-calcite beds or veins are hard, calcareous and have sharp contacts.
218.4	222.4		048	SBØ	(1ØQ#) 99:Ø1:TRACE Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to weakly calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (<5mm). Good core recovery. Fair RQD. Sharp upper contact at C+8Ø°. Gradational lower contact. Darker grey, softer more carbonaceous units have gradational contacts with SBØ.
222.4	223.3		049	SBØ	BLOCKY BROKEN CORE. Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous, PS_2 foliated. Soft to moderately soft. No sulphides. Fair core recovery. Poor RQD. Sharp upper and lower contacts parallel S_2.
223.3	227.7		05Ø	SB6$	(1ØQ$) 95:Ø5 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 27/91 Logged By: D. Hallowell

From (10 14)	To (16 20)	Recov. (22 24)	No. (26 28)	Unit (30 34)	Description (35)
					Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 4mm), sometimes following bands. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
					White-cream quartz-dolomite bands or concordant veins subparallelling S_2 are weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and have sharp contacts with 5B6.
2277	2295		051	5B0	(100#) 96:04
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Good core recovery, Fair RQD. Gradational upper and lower contacts parallel S_2.
					White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain wisps of black Fe-chlorite and have sharp contacts with 5B0.
2295	2329		052	5B6	(100 : 5B26) 90:09:01
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery, Fair to poor RQD. Gradational contact parallel S_2. Sharp lower contact parallel S_2 marked by quartz band or concordant vein.
					White, hard quartz bands or concordant veins have olive Mg-chlorite and sharp contacts.
					More carbonaceous sub-unit is darker, softer and has gradational contacts with 5B6.

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From	To	Recov.	No.	Unit	Description
232.9	235.8		Ø53	58Ø	(1ØQ$) 9Ø:1Ø FRIABLE TO BLOCKY BROKEN CORE. Light to medium grey with buff-white carbonate (calcite?)-quartz laminae/bands following S_1/S_2. Weakly calcareous, PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Poor core recovery (core loss at 233.5-235.Ø), RQD. Friable to blocky broken core at 232.9 - 237.2. Sharp upper and lower contacts parallel S_2 with upper contact marked by quartz-dolomite band or concordant vein. White-cream quartz-dolomite bands or concordant veins subparallel S_2 are weakly calcareous, hard and have sharp contacts with 586.
235.8	237.7		Ø54	586$	Light to medium grey with creamwhite carbonate (dolomite?)-quartz laminae/bands following S_1/S_2. Non-calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Good core recovery. Fair RQD. Sharp upper and lower contacts parallel S_2.
237.7	239.1		Ø55	586$	FRIABLE TO BLOCKY BROKEN CORE. Light to medium grey with creamwhite carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Poor core recovery (core loss at 237.1-238.7). Poor RQD. Sharp upper and lower contacts parallel S_2.
239.1	243.9		Ø56	586$	Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					to soft. Very good core recovery. Good RQD. Sharp upper contact parallel S_2. Gradational lower contact.
243.9	244.7		057	5B62	(100) 90:10 Medium to dark grey with cream-white carbonate (dolomite?)-quartz laminae/bands following S_1/S_2. Non-calcareous. Silvery grey fracture surfaces. Moderately soft to soft. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Weakly carbonaceous. White-cream quartz-carbonate (dolomite?) band or concordant vein subparallel S_2 is weakly calcareous, hard and has sharp contacts with 5B62.
244.7	249.1		058	5B6	(100$) 70:30 Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. Silvery grey fracture surfaces. Moderately soft to soft. Good to fair core recovery (core loss at 245.1-246.3 or 246.3-248.4). Good to poor RQD. Friable to blocky broken core at 245.1-246.3. Gradational upper and lower contacts parallel S_2. White-cream quartz-dolomite bands or concordant veins are weakly calcareous, hard, contain wisps of olive-green-grey Mg-chlorite, and have sharp contacts with 5B6.
249.1	252.0		059	5B0	Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 6mm) in quartose

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					pods elongate parallel S_2. Quartz-carbonate veins crosscutting S_1, S_2 also present. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
2520	2541		060	586	&$
					Light to medium grey with buff cream-white carbonate (calcite ± dolomite) - quartz laminae/bands following S_1/S_2. Weakly to non-calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
2541	2651		061	580	(100#) 99:01
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and (rare) pyrrhotite as euhedral cubes and deformed cubes with quartz lenses elongate/parallel S_2. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
					White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contains olive grey Mg-chlorite and have sharp contacts with SBO.
2651	2656		062	586	&$
					Light to medium grey with cream-white laminae/bands following S_1/S_2. Non-calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational contacts parallel S_2.

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From	To	Recov.	No.	Unit	Description
265.6	266.3		063	100$	
					White-cream quartz-dolomite band or concordant vein subparallel S_2 is very weakly calcareous, hard, contains black Fe-chlorite (265.8-265.9) and has sharp upper (@ 60°) and lower (@ 70°) contacts with phyllitic units.
266.3	275.3		064	5B6	2$(100$:5B62:100#$) 80:10:08:02
					Light to medium grey with cream-white dolomite-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Sharp upper contact at @ 60°. Gradational lower contact.
					White-cream ± buff quartz-dolomite ± calcite bands or concordant veins subparallel S_2 are weakly to moderately calcareous, hard, contain olive-green grey Mg-chlorite and black Fe-chlorite and have sharp contacts with 5B6, 5B62
					Medium to dark grey more carbonaceous subunits are non-calcareous, softer and have gradational contacts parallel S_2 with 5B6, 5B62 (sharp contacts with 100$, 100#$)
275.3	276.5		065	5B0	
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2.
276.5	286.3		066	5B6	2$ (100$:5B62:100#$) 80:10:08:02

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets crosscutting S_1, S_2. Non-calcareous matrix. CS_2 and FS_2 foliated. Moderately soft. Trace disseminated pyrite as euhedral cubes. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp curvilinear lower contact with 5C6.
					White-cream ± buff quartz-dolomite ± calcite bands or concordant veins subparallel to S_2 are weakly to moderately calcareous, hard, contain wisps of olive grey Mg-chlorite and black Fe-chlorite, and have sharp contacts with 5B6, 5B62.
					Dark to medium grey slightly carbonaceous sub-unit is non-calcareous, softer and has gradational contacts with 5B6 (sharp contacts with 100$, 100#$).
286.3	286.8		067	5C6	(5B86) 65:35
					Medium to light grey f.g. aphanitic non-calcareous groundmass supports white m.g. subhedral (leucoxene?) phenocrysts and black m.g. subhedral (amphibole or pyroxene?) phenocrysts with relict porphyritic igneous texture at 286.3-286.4 and 286.6-286.8. Black chloritic phyllite occurs at 286.4-286.6. Fine-grained chill margins with fine-grained phenocrysts occur near contacts (286.3, 286.6). Moderately hard.
					Dark grey to black chloritic phyllite sub-unit is non-calcareous, CS_2 and FS_2 foliated, soft and has sharp curvilinear contacts with 5C6.
286.8	290.1		068	5B6	(5B62) 95:05
					Light to medium grey with buff-white laminae/bands following S_1/S_2. Non-calcareous. CS_2 and FS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Fair core recovery. Fair to poor RQD. Blocky core at 287.4-287.7, 288.0-288.2. Sharp upper contact

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					at CA80°. Sharp lower contact at CA90°.
					Dark grey more carbonaceous submit is non-calcareous, softer and has gradational contacts with 5B6.
290.1	290.4		069	5B6	BLOCKY BROKEN CORE. CLAYEY GOUGE.
					Light grey fg aphanitic clayey gouge is non-calcareous, soft and has sharp upper (CA90°) and lower (CA60°) contacts. Fair to poor core recovery. Poor RQD. Blocky broken core with clayey gouge.
290.4	299.5		070	5B6	(100#$: 5B62) 85:14:01
					Light to medium grey with cream-white laminae/bands following S_1/S_2 and rarely to cross-cutting S_1, S_2 at low CA angle (CA0°-10°). Non-calcareous. S_2 and FS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and (rare) pyrrhotite as euhedral cubes (pyrite) and pseudomorphic cubes (pyrrhotite). Very good core recovery. Good to fair RQD. Sharp upper contact at CA60°. Gradational lower contact. Blocky core at 296.0-296.2, 297.8-298.0.
					White-buff-cream quartz-calcite-dolomite bands or concordant veins sub-parallelling S_2 are weakly to moderately calcareous, hard, contain olive-grey Mg-chlorite and black Fe-chlorite wisps and have sharp contacts with 5B6.
					Dark grey more carbonaceous submit is non-calcareous, softer and has gradational contacts with 5B6 (sharp contacts with 100#$).
299.5	305.9		071	5B0	(100#) 95:05

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From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets crosscutting S_1, S_2 at low CA angle. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite as euhedral cubes (pyrite) and pseudomorphs (pyrrhotite). Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
					White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5B0.
3059	3089		072	5B6	(5B62) 90:10
					Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets crosscutting S_1, S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes within quartzose lenses elongate parallel S_2. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
					Darker grey carbonaceous submmit is non-calcareous, softer and has gradational contacts with 5B6
3089	3113		073	5B0	(100#) 96:04
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2, and veinlets cross-cutting S_1, S_2 at low CA angle. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite as euhedral cubes and cubic pseudomorphs. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 75°.
					White-buff quartz-calcite bands or concordant veins subparallel S_2 are calcareous, hard and have sharp contacts

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Lithologic Log

Date: Jan 29/92 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
311.3	312.6		074	5B02	BLOCKY BROKEN CORE. WEAKLY LIMONITIZED. Dark to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft to soft. Weakly carbonaceous. Fair core recovery. Poor RQD. Sharp upper (CA80°) and lower (CA90°) contacts. Weakly limonitized blocky broken core.
312.6	335.3		075	5B0	(100%: 5B02) 80:10:0 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2 at low CA angles (CA0°-30°). Moderately calcareous CS_2 and PS_2 foliated. Moderately soft. Trace disseminated pyrite and pyrrhotite as euhedral cubes and rhombs. Very good core recovery. Good RQD. Sharp upper and lower contacts at CA90°. White-buff quartz-calcite bands or concordant veins subparallel S_2 are calcareous hard, contain rare wisps of black Fe-chlorite and have sharp contacts with 5B0. Darker grey more carbonaceous sub-unit is calcareous, softer and have gradational contacts with 5B0 (sharp contacts with 5B0).
335.3	335.7		076	5B0	BLOCKY BROKEN CORE. Light to medium grey blocky broken unit. Calcareous. Soft to moderately soft. No gouge. Sharp upper (CA90°) and lower (CA60°) contacts.
335.7	346.5		077	5B0	(5B02) 85:15

DDH 90DY-07 (2/8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 29/91 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 with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite as euhedral cubes and rhombs. Very good core recovery. Good RQD. Gradational upper contact parallel S_2.
					Darker grey more carbonaceous sub-unit is softer and has gradational contacts with 5BØ.
3465	3642		Ø78	5BØ	(5BØ2: ~~Ø#~~) 98 : Ø2 : TRACE
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous (locally etched quickly by 10% HCl acid). CS_2 and PS_2 foliated. Moderately soft. Trace disseminated (Kane) pyrite (euhedral cubes and deformed cubes = rhombs ≤ 3mm) and pyrrhotite (euhedral pseudomorphs of pyrite); pyrrhotite rim replacement of pyrite occurs. Very good core recovery. Good RQD. Gradational contacts parallel S_2. Silvery grey fracture surfaces.
					Medium to dark grey more carbonaceous sub-unit is calcareous, softer and has gradational contacts with 5BØ.
					White-buff quartz-calcite band or concordant vein subparallelling S_2 is moderately calcareous, hard and has sharp contacts with 5BØ.
3642	3673		Ø79	5BØ	→ 5FØ (1ØØ#) 9Ø : 1Ø
					Light to medium grey with olive greenish tinted bands with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 and CS_2 foliated. Silvery to olive green grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
					White-buff quartz-carbonate bands (veins?) are calcareous, hard and have sharp contacts

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CURRAGH RESOURCES INC.

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Date: Jan 30/91 Logged By: D. Halliwell

From	To	Recov.	No.	Unit	Description
3673	3721		080	5B0	→5F0 (5B02) 70:30 Light to medium grey with olive greenish tint (bands) and buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and olive greenish grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2. Medium to dark grey more carbonaceous submit is calcareous, softer and has gradational contacts with 5B0.
3721	3748		081	5B02	(100#) 95:05 Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrrhotite. Very good core recovery. Good RQD Gradational upper and lower contacts parallel S_2. White-buff quartz-calcite bands or concordant veins subparalleling S_2 are moderately calcareous, hard, contain wisps of olive-green-grey Mg-chlorite and black Fe-chlorite, and have sharp contacts with 5B02.
3748	3775		082	5B6	(5B62) 90:10 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. No sulphides. Medium to dark grey more carbonaceous submit is non-calcareous, softer and has gradational contacts with 5B6.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: B. Seednell

From	To	Recov.	No.	Unit	Description
377.	379.		083581625		Shear.
					Medium to medium dark gray, moderately to weakly dolomitic phyllite contains a very well healed, moderately strong shear fabric. Fabric orientation is generally 75 to core axis and also appears parallel to subparallel S_2. Shear fabric hosts 5-7% dolomite and quartz fragments 2-4mm wide, within a moderate FS_2 foliation. Unit is weakly carbonaceous. Rock is slightly soft, core is slightly broken with 100% recovery. Upper contact is sharp and parallel S_2. Lower contact is also sharp and defined by a second shear fabric orientation. Second shear fabric crosscuts the fabric within this unit. Second fabric is related to fault zones below (380.4 - 385.9). Lower contact is oriented at 235°/40° relative shear fabric (FS_2) of this unit. Second shear fabric occurs in a 10cm band.
379.	380.		084	5A*	(?)
					Very dark gray to black, moderately to weakly dolomitic phyllite is moderately to strongly carbonaceous. Fracture surfaces moderately tarnish fingers very dark gray to black. Unit contains a strong shear fabric which is well healed, somewhat irregular in orientation (strike and dip) but generally is oriented 75° to core axis. Shear fabric is defined by 20-25% .75 x 3-4 cm quartz

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '90 Logged By: J. Strickland

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					vein fragments 2-5% dolomite fragments and rare bands of 4LO => 5DO (?). Ground core and irregular fabric will not permit and orientation with upper unit. Rock is slightly hard, moderately to slightly broken, recovery is very good (100%). Upper contact is sharp; lower contact is also sharp but fabric is contorted into an orientation parallel fault fabric of lower unit: 25° TCA.
380.1	381.8		085	4LO	4(5AO) 70:30 FAULT
					Both yellow, very weakly dolomitic unit supports a mylonitic texture generally oriented 75-80° to core axis (// S_2 (?)). Overprinted on the mylonitic fabric is an irregular fault fabric which is poorly healed to open and also defines internal contacts with 5AO. FAULT fabric generally trends at 090°/10° to 20° relative mylonitic texture; although, minor aberations in trend are very common. Both 4LO and 5AO units are commonly moderately hard locally very soft. Core is generally moderately broken locally approaching crushed but still intact. Upper and lower contacts are sharp.
					1cm clotts of very fine grained sulphides are rare and Py dominant.

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Date: Dec '90 Logged By: S. Zbeetnoff

From	To	Recov.	No.	Unit	Description
381.	384.		086	4LQ	$4 ± FAULT Slips (10Q$@4) 90:10
					Buff to slightly greenish yellow unit is weakly dolomitic generally S_2 foliated rarely C_{S_2}. Unit hosts 10% 15-30 cm quartz-ankerite-dolomite(?) quartz veins; vein orientation is highly irregular varying from subparallel to subperpendicular core axis. Veins commonly have an association with mineralized carbonate clotts 1x2cm upto 5x2cm in diameter. Carbonate clotts are highly irregular, white, hard (ankerite(?)) and are composed of same material as lower unit. Mineralization within 4LQ and carbonate clots are pyrite dominate, very fine grained and occur in wisps of contorted stringers that as a whole are variable but do locally define some sort of fabric? Rock varies from very soft to rarely moderately hard. Core is generally strongly to very strongly broken quartz veins are intact to slightly broken. Upper and lower contacts are sharp and broken. Sporadic fault slip planes are highly variable and consist of 1-2cm of crushed rock and gouge.
384.7	385.1		087	4Q$	4
					Carbonate band is white slightly soft to slightly hard, very weakly reactive when ground and introduced to 20% HCl (ankerite). Unit hosts 10% very fine grained pyrite dominant sulphide stringers. Stringers are moderately

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Date: Dec '90 Logged By: J. Zecchetti

From (10-14)	To (16-20)	Recov. (22-24)	No. (26-28)	Unit (30-34)	Description (35)
					contorted but do trend roughly at 10° to core axis. Upper contact is sharp and broken. Lower Contact is oriented at 055°/35° relative lower units PS_2 fabric. Mineralized stringers are oriented 085°/10° relative lower contact.
385.1	387.2		088	ALOS	4 (404) 95:05 Buff to greenish yellow, moderately dolomitic, PS_2 foliated and contains sporadic weak mineralization. Mineralization is fg dominant very-fine grained and occcurs in wisps and bands (≤1.0cm) parallel S_1. CS_2 fabric is rare. Rock is moderately to slightly soft. Core is moderately broken with good recovery. Upper contact is sharp, defined by carbonate band and oriented at 055/35° relative PS_2. Lower contact is fault bound and oriented at 090/10 relative PS_2. Interval supports 5% hard massive buff colored bands interpreted to be 404.
387.2	398.4		089	ALO4S	#1 FAULT (4EO) 90:10 Light gray moderately dolomitic locally weakly calcareous unit hosts remobilized mineralization and

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Date: Dec '90 Logged By: J. Zbeetnoff

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					fragments - blocks of 4EO. Mineralization is variable in occurance from stringers to disseminated clots with crude irregular banding. Shear planes are common and generall trend subparallel core axis. Shear planes are generally 0.5 - 2.5 cm wide. Rock varies from soft to very slightly hard. Core is strongly broken with good recovery. Upper contact is oriented 090°/10° relative PS₁ of upper unit. Lower contact is broken. ESTIMATED GRADE is <5% Pb+Zn.
388'	390'		090	4EOS	(4LOS) 90:10
					Brassy yellow weakly dolomitic unit hosts 10% bands and stringers of 4LO which do not exceed 10cm in width. 4LO when occours as stringers are 10cm wide and oriented slighly obligue to core axis. Interval also contains a fracture pattern that is slighly obligue to core axis. 4EO consists of 60-70% pyrite and Pb-Zn mineralization is exceptionall difficult to see within fine grained Py. Rock is hard, moderatly locall very strongly broken. Recovery is good. Upper contact is broken, lower contact is sharp, partially broken and parallel crude banding.

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Lithologic Log

Date: Dec '90 Logged By: J. Zbeeta

From	To	Recov.	No.	Unit	Description
390.4	393.4		09.1	AEO	Brassy yellow very fine grained unit is crudely banded (75-80° TCA). Bands are cm-scale intervals which host less pyrite (30%) within massive pyrite unit. Interval is commonly fractured with trend slightly oblique to core axis. Rock is hard moderately to strongly broken. Upper and lower contacts are sharp and parallel banding. Grade is very difficult to estimate and could vary from <5% up to 15% ?
393.4	407.1		09.2	400*	(4Lo) 98:02 Well banded quartzite is medium gray and brassy yellow, generally weakly to moderately calcareous and banded on the 1.0-2.0 cm scale. 4Lo occurs in 0.5-1.0 cm bands in localized clusters 10's of cm wide. 4Lo concentrations occur at: 396.7-397.0, 398.6-398.8, 403.9-404.2, 404.8-405.1, 405.1-405.2, 405.4-405.8. Unit hosts a 8 cm crushed and gouged zone at 405.7 (4Lo). Fault is oriented parallel banding. Rock is hard, generally strongly broken, rarely moderately broken. Recovery is good. Upper and lower contacts are parallel banding. Banding is consistently oriented 75-80° to core axis. Est grade is 5-8%.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Sheehan

From	To	Recov.	No.	Unit	Description
10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
407.	409.		093	ALT4	(5B61). 80:20. Medium to light gray rock is non-calcareous and well banded on the cm-scale. Unit hosts 0-7% pyrite and sporadic cm scale bands of strong Sph. mineralization. Interval also contains 4L0# which is moderately to weakly calcareous, yellow-green, soft and occurs most commonly on the cm scale bands, rarely in bands upto 30cm. 4B04 is hard, Interval is moderately to slightly broken with good recovery. Upper and lower contacts are sharp and parallel banding. Banding is consistently 80-75° to core axis.
409.	410.		094	5A69	Black non-calcareous phyllite is locally soft, generally hard and hosts 7-10% highly siliceous 3-5mm bands which contain disseminated Pb, Zn and Fe sulphides. Unit contains a 12-15cm extremely siliceous band/vein which is weakly calcareous and non-mineralized. Rock is moderately locally strongly broken. Upper and lower contacts are sharp and parallel S_2. Unit is $PS_2 \Rightarrow CS_2$ foliated. Estimated grade is <2% Pb+Zn.

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Date: Dec '90 Logged By: A. Sherlock

From	To	Recov.	No.	Unit	Description
410.	410.7		0995	5A2/4	(5A1) 50:50.
					Carbonaceous interval is highly siliceous throughout. 2-5mm bands of mineralization define a CS_2 fabric. Occasionally mineralized bands host subrounded pyrite grains which mimic buckshot facies ore of FARO DEPOSIT. Mineralized bands contain less than 15% sulphides and are strongly Py dominant.
					4B1 occurs only over lowest half of interval. Also contains weakly mineralized bands defining a CS_2 fabric. Unit is highly siliceous throughout and also has a ghosty appearance as does upper graphitic subunit. Unit is medium light gray.
					All rocks are very hard and slightly broken.
					All contacts are sharp and parallel S_2. Estimated grade for interval is < 2% Pb + Zn.
410.7	413.0		0996	5A1A	
					Very dark gray to black graphitic quartzite is moderately siliceous CS_2 foliated and weakly mineralized. Mineralization is limited to 2-5mm bands of very siliceous quartzite. Mineralization is sphalerite dominant. Unit contains 1-2% dolomite stringers and clots which are 2-3mm wide and highly randomly oriented. Rock is hard, moderately broken and recovery is good. Upper and lower contacts are sharp and parallel S_2. Estimated grade is 3-5%.

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Date: Dec '90 Logged By: F. Zbeetnoff

From	To	Recov.	No.	Unit	Description
413.	414.		097	5A10	4 → 5B61 (5B6 ..) 97:03
					Medium dark gray unit is highly siliceous PS, foliated rarely CS, foliated. Unit is weakly, rarely moderately carbonaceous and very weakly to non-calcareous. Moderately carbonaceous portions are limited to 2-3mm wisps parallel S_2. Minor bands 3-4% (1-2mm) of phyllite are soft medium gray and only occur oriented parallel S_2 planes. Mineralization is very weak and disseminated in narrow bands commonly parallel S_2. Upper and lower contacts are sharp and parallel S_2. Rock is generally hard with minor wisps of soft rock oriented parallel S_2.
414.	416.		098	5B6	2
					Medium slightly medium dark gray phyllite is non-calcareous and very slightly carbonaceous. Unit contains 2% quartz dolomite veins and veinlets of irregular orientation. Phyllite and veins host 1% Po grains and clotts which do not exceed 3mm in diameter. Rock is moderately soft, strongly broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Trace quartz-vein-related pyrrhotite-sphalerite-chalcopyrite at 417.7-417.9. Phyllite hosts no Pb+Zn mineralization. Veins rarely contain up to a trace of Pb+Zn mineralization.

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Date: Dec '90 Logged By: T. Zbrodnik

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
416.	417.3		099	5B61	4 (5DO) 98:02.
					Medium gray intensly silicous interval is non-calcareous PS folded and host 1-2% grainy Py and slightly darker gray wisps (0.5-3mm) which are suspect to contain extremely fine grained Pb+Zn mineralization. Unit hosts 2% 5DO bands and wisps (0.2-1.5 cm) which are in sharp contact with silicous host. Contacts are parallel S_2. Interval contains 5% cm scale clotty quartz-ankerite ± dolomite veins roughly oriented parallel S_2. Rock is very hard, strongly broken with good recovery. Upper and lower contacts are parallel S_2. ESTIMATED GRADE is < 3% Pb+Zn
417.3	418		100	4D4	(4H4: 4LO) 96:03:01
					Medium gray locally slightly brassy yellow-purple non-calcareous quartzite hosts 2-3% quartz ± Fe Mg carbonates, and minor 4H4 and 4LO. Interval is moderately well banded at a moderately consistant angle of 80° to core axis.
					4H4 occurs in 5-7 cm bands at the top and bottom of interval. 4LO occurs sporadically in 0.75-1.25 cm bands. Rock is hard, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2

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Date: Dec '90 Logged By: J. Scott / D. Hallinan

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
418.0	419.0		101	5B6	4
					Light to medium gray intensely siliceous PS2 foliated unit host 5-10% wisps of carbonaceous material oriented parallel S2. Unit contains 7-10% irregular quartz-dolomite(?) ankeritic(?) veins 1.0 - 1.75 cm wide. Slightly darker bands with gradational contacts are interpreted to contain very fine grained Pb+Zn mineralization. Rock is very hard, slightly broken with 100% recovery. Upper and lower contacts are sharp and parallel S2. ESTIMATED GRADE IS NOT EXPECTED TO EXCEED 5-7% Pb+Zn.
419.0	421.9		102	5B6	± 1 ± FAULT (4L0: 100°) 90:04:06 Light to medium gray with cream-white carbonate (dolomite?)-quartz laminae/bands following S1/S2. Non-calcareous matrix. CS2 and PS2 foliated. Silvery gray fracture surfaces. Moderately hard. Trace disseminated pyrrhotite. Sharp upper contact at @ 90° marked by quartz-calcite band (concordant vein?). Gradational lower contact parallel S2. Very weakly silicified (leucocratic, hard, smooth). Greenish-white talcose fracture zone at 420.0-420.1 is very soft and powdery. Fracture is at @ 50°. White ± cream quartz ± dolomite band or concordant vein at 419.0-419.4 is weakly calcareous, hard, contains spurious rings (weathered out pyrite?) and has sharp contacts with 5B6 and 4L0.

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DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 30/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	421.9	434.4		103	5BØ	(5BØ1; 5BØ2: 5BØ7) 8Ø:1Ø:Ø8:Ø2 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, Good RQD. Gradational upper and lower contacts parallel S_2. Light grey, harder, smoother (silicified) sub-unit occurs at 421.9-427.Ø. Dark grey weakly carbonaceous sub-unit is softer and has gradational contacts. Olive greenish grey banded chlorite sub-unit is softer and has gradational contacts.
L	434.4	435.3		104	5BØ	→ 5FØ Light to medium grey with olive greenish tint and buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey to olive greenish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 75°.
L	435.3	435.4		105	5FØ	& 8 Olive greenish grey v.f.g. aphanitic groundmass and f.g. white anhedral (leucoxene?) phenocrysts within relict porphyritic igneous texture. Whole unit is "chill-margin" (i.e. there is no coarser-grained core). Very calcareous. PS_2 foliated. Moderately hard. Olive greenish grey fracture surfaces. No sulphides. Very good core recovery, Good RQD. Sharp upper (CA 75°) and lower (CA 8Ø°)

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 30/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	435.4	435.6		106	5FØ	
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Olive greenish-grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Sharp upper contact at CA 80°. Sharp lower fault contact at CA 60°.
L	435.6	439.4		107	5BØ	(5EØ 108#) 9Ø:Ø5:Ø5
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite as subedral cubic pseudomorphs. Very good core recovery. Good RQD.
						Silvery grey laminated very calcareous marble sub-unit at 436.8-436.9 is moderately hard and have sharp contacts parallel S_2.
						White-buff quartz-calcite band subparallel S_2 occurs at 439.3-439.4 (lower contact). Contains olive-green-grey Mg-chlorite and black Fe-chlorite wisps.
L	439.4	440.7		108	5BØ	(5BØ2) 9Ø:1Ø
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery. Good RQD. Sharp upper and lower contacts, both at CA 80°.
						Medium to dark grey more carbonaceous sub-units are calcareous, softer and has gradational contacts with 5BØ
L	440.7	441.9		109	5FØ	(5CØ) 6Ø:4Ø

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 30/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_2. Moderately calcareous. PS_2 foliated. Olive green-grey fracture surfaces. Moderately soft. No sulphides. Sharp upper and lower contacts, both at CA 80°.
						Metabasite (5CØ) occurs as olive-greenish grey v.f.g. groundmass and whitish anhedral f.g. (leucocrome?) plagioclasts within a relict porphyritic igneous texture. Moderately calcareous. Moderately hard. No sulphides. 5FØ-5CØ-5FØ-5CØ-5FØ alternation top to bottom in hole. 5CØ sub-unit has sharp contacts with 5FØ.
L	441 1	446 Ø		1 1 Ø	5B Ø	(5BØ2) 8Ø:2Ø
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous (locally etched quickly by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Gradational lower contact parallel S_2.
						Medium to dark grey more carbonaceous sub-unit is softer and has gradational contacts with 5BØ.
L	446 Ø	449 6		1 1 1	5B Ø	→ 5FØ (5BØ) 6Ø:4Ø
						Light to medium grey with olive greenish tint and buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 and CS_2 foliated. Silvery to olive greenish-grey fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2. Blocky core at 446.2-446.5, 449.1-449.6
L	449 6	453 8		1 1 2	5B Ø	→ 5FØ

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 30/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey with olive green tint. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery to olive greenish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2
L	4538	4582		113	5BØ	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
L	4582	4658		114	5BØ	(5BØ2:5EØ) 7Ø:25:Ø5
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to very calcareous (locally etched quickly by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good to good core recovery. Good to fair RQD. Blocky core at 464.4-464.6. Gradational upper contact. Sharp lower contact at CA9Ø.
						Darker grey, softer, more carbonaceous sub-unit has gradational contacts with 5BØ.
						Bluish grey, very calcareous, moderately hard sub-unit occurs at 464.8-464.85.
L	4658	4697		115	5BØ	(5BØ2:5EØ) 7Ø:15:15
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact parallel S_2. Gradational lower contact parallel S_2

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 30/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						Dark grey more carbonaceous sub-unit is calcareous, softer and has gradational contacts with 5BØ.
						Bluish grey laminated, very calcareous markly sub-units occur at 465.8-466.1, 467.15-467.2 and 467.2-468.ØØ, 468.Ø5-468.Ø6, 468.1-468.15, 468.2-468.3. These are quickly etched by 10% HCl acid, moderately hard and have sharp contacts parallel S_2 with 5BØ.
L	4697	4711		116	5BØ	→ 5FØ (1ØQ#) 95:Ø5.
						Light to medium olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 90% HCl acid). PS_2 foliated. Olive to silvery grey fracture surfaces. Moderately soft. No sulphides. Sharp upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain black Fe-chlorite wisps and have sharp contacts with 5BØ.
L	4711	4716		117	5EØ	(1ØQ#) 8Ø:2Ø
						Bluish grey, very calcareous, moderately hard unit is PS_2 foliated (laminated), moderately hard, has blue grey fracture surfaces and has sharp contacts parallel S_2.
						White-buff quartz-calcite bands (concordant veins?) subparallel S_2 are moderately calcareous and hard, and make sharp contacts with 5EØ.
L	4716	4728		118	5BØ2	(5B2Ø) 9Ø:1Ø

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 30/91 Logged By: D. Hallinan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Weakly carbonaceous. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair RQD. Sharp upper contact parallel S_2. Gradational lower contact.
						Carbonaceous darker grey subunit is softer and has some graphitic fracture surfaces. Calcareous. Gradational contacts with 5BØ.
L	472.8	507.4		119	5BØ	(5BØ2:100ft) 85:10:05
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous, CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite as euhedral cubic pseudomorphs of pyrite. Very good core recovery. Good RQD. Blocky core at 486.5-486.6, 492.6-492.7.
						Darker grey more carbonaceous sub-unit is softer, calcareous and has gradational contacts with 5BØ.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain olive green Mg-chlorite and black Fe-chlorite and has sharp contacts with 5BØ, 5BØ2 subparallel S_2.
L	507.4	508.2		120	5BØ2	(5BØ) 80:20
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Weakly carbonaceous. Very good core recovery, RQD. Gradational contacts.
						Light to medium grey less carbonaceous sub-unit is calcareous, harder and has gradational contacts with 5BØ2.

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 30/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
L	524.2	531.0		128	5BØ	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Blocky to friable core at 525.2-525.5, 525.7-525.8, 526.0-526.8. Gradational upper and lower contacts parallel S_2.
L	531.0	534.1		129	5FØ	(5BØ2 : 5FØ → 5DØ) 90:08:02
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Olive greenish grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Good core recovery (some core loss at 531.6-531.9). Poor RQD. Blocky core at 531.1-532.2, 533.0-533.7. Gradational upper contact parallel S_2. Sharp lower fault contact at CA 75°. Locally more chloritic (olive green), as 5FØ → 5DØ. Dark grey weakly carbonaceous sub-unit is calcareous, moderately soft and have gradational contacts with 5FØ.
L	534.1	536.8		130	5CB5	
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2.

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CURRAGH RESOURCES INC.

Lithologic Log

Date Jan. 30/91 Logged By: D. Hallinan

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	5082	5083		121	5E0	
						Blue-grey with buff-white carbonate quartz laminae following S_2. Very calcareous. FS_2 foliated. Blue-grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Fairly sharp contacts parallel S_2.
L	5083	5212		122	5B0	(5B02 : 100# : 5E0) 90 : 07 : 03 : TRACE
						Light to moderate grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and FS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2. Bloody core at 318.7-319.1.
						Moderate to dark grey more carbonaceous submunit is calcareous, softer and has gradational contacts with 5B0.
						White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard and have sharp contacts with 5B0, 5B02 subparallel S_2.
						Blue-grey (with buff-white laminae parallel S_2) marble submunit is very calcareous, moderately soft and has fairly sharp contacts with 5B0, 5B02 parallel S_2.
L	5212	5215		123	5B0	→ 5F0
						Olive greenish-grey with buff-white laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and FS_2 foliated. Olive green to silvery grey fracture surfaces. Moderately soft to soft. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 80°.

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 30/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	521.5	521.8		124	5C8	
						Olive greenish grey vfg. aphanitic groundmass, white fg. anhedral (leucoma?) phenocrysts and dark grey fg. subhedral (amphibole or pyroxene?) phenocrysts. Relict porphyritic igneous texture is overprinted by carbonate-quartz and chlorite bands parallel S_2. Moderately calcareous. PS_2 foliated. Moderately hard. Olive greenish grey. Very good core recovery, RQD. Sharp contacts parallel S_2.
L	521.8	522.0		125	5F0	
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Olive greenish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA70° Gradational lower contact.
L	522.0	524.0		126	5B0	(5E0) 90:10
						Light to medium grey with buff-white carbonate-quartz laminae/bands parallel S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						Blue-grey with buff-white carbonate-quartz laminae parallel S_2. Very calcareous. PS_2 foliated. Bluish grey fracture surfaces. Moderately soft. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
L	524.0	524.2		127	5B02	

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 1/91 Logged By: D. Hallinan

Code	From	To	Recov.	No.	Unit	Description
	10 14	15 20	22 24	26 28	30 34	35
						Moderately calcareous. PS_2 and CS_2 foliated. Olive greenish grey fracture surfaces. Moderately hard. No sulphides. Banding/laminations overprint relict porphyritic igneous texture including white fg. anhedral (leucocene?) phenocrysts and dark grey fg. subhedral (amphiboles, pyroxenes?) phenocrysts set in a green grey vfg. aphanitic groundmass. Good core recovery. Fair to poor RQD. Blocky core at 535.8-536.2. Sharp upper fault contact at CA 75° with clayey fault gouge (2mm wide). Sharp lower contact at CA 70°.
L	5368	5370		131	5FØ	
						Olive greenish grey with buff white laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive greenish grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair to poor RQD. Sharp upper contact at CA 70°. Gradational lower contact parallel S_2.
L	5370	5394		132	5BØ	(5BØ → 5FØ) 9Ø:1Ø.
						Light to medium grey with buff white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery. Good RQD. Gradational upper and lower contacts. Locally, olive greenish grey subunit is softer, chloritic, calcareous and has gradational contacts with 5BØ.
L	5394	5400		133	5CØ	
						Light to medium grey with buff white carbonate-quartz laminae/bands following

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						S_1/S_2. Moderately calcareous. PS_2 foliated. Grey fracture surfaces. Moderately hard. No sulphides. Banding/lamination overprints relict porphyritic igneous texture including white and dark grey phenocrysts set within a v.fg aphanitic groundmass. Very good core recovery. Good RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°.
L	5400	5435		133	5BØ	(5BØ→5FØ: 100#) 90:08:02
						Light to medium grey with buff-white carbonate-quartz lamina/bands following S_1/S_2. Moderately to very calcareous (locally etched quickly by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact. Sharp lower contact. Locally olive colours.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5BØ.
L	5435	5449		134	5BØ	(10Q#) 97:03 BLOCKY BROKEN CORE
						Light to medium grey with buff-white carbonate-quartz lamina/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Fair core recovery. Poor RQD. Blocky core throughout.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are calcareous, hard, contain olive green Mg-chlorite and black Fe-chlorite, and have sharp contacts with 5BØ.
L	5449	5559		135	5BØ	(5BØ2: 5BØ→5FØ: 5EØ) 60:30:05:05

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CURRAGH RESOURCES INC.

Lithologic Log

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

From	To	Recov.	No.	Unit	Description
					Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery. Good to fair RQD. Blocky core at 550.5–551.4, 552.3–552.4 and 553.4–553.9. Gradational upper and lower contacts parallel S_2.
					Locally, unit becomes more carbonaceous (5B02) or chloritic (5E00). Calcareous.
					Occasional bluish grey bands < 3mm wide occur (548.45–548.6). Calcareous.
555.9	557.0		136	5B02	→ 5B20
					Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey and black (graphite) fracture surfaces. Soft and moderately soft. Trace disseminated pyrrhotite. Fair core recovery. Poor RQD. Blocky core at 555.9–556.75. Gradational upper and lower contacts parallel S_2.
557.0	558.5		137	5B00	(5E00) 95:05
					Light to medium grey with buff-white laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
					Bluish grey marbly subunit at 557.1–557.6 is calcareous, moderately soft and has gradational contacts with 5B00 parallel S_2.

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 1/91 Logged By: D. Hellinwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	558.5	559.5		138	5B02	
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Weakly carbonaceous (no graphite seen). Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
L	559.5	560.5		139	5B00	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Gradational upper contact. Sharp lower contact at CA 70°
L	560.5	560.9		140	5E00	(5B00) 70:30
						Bluish grey with dark grey laminae following S_1, S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Bluish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA 60°. Open folds seen.
						Light to medium grey calcareous phyllite, as above.
L	560.9	563.7		141	5B00	(5E00) 80:20
						Light to medium grey with buff-white laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). PS_2 and CS_2 foliated.

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

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

From	To	Recov.	No.	Unit	Description
(10 14)	(16 20)	(22 24)	(26 28)	(30 34)	(35)
					Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 60°. Fairly sharp lower contact parallel S_2 marked by 5EØ band. Bluish grey bands ≤ 0.1m wide are calcareous, moderately soft and have fairly sharp contacts parallel S_2 with 5BØ.
56.37	56.42		142	5BØ2	
					Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous. CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper contact. Sharp lower contact at CA 20°.
56.42	56.55		143	5B2	BLOCKY TO FRIABLE BROKEN CORE. GRAPHITIC FRACTURES. Dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey to black (graphitic) fracture/surfaces. 1-3% graphite. No sulphides. Fair core recovery. Poor RQD. Blocky to friable core throughout. Graphitic fractures at low CA angle (CA 0°-30°). Sharp upper contact at CA 20°. Sharp lower (fault) contact at CA 50°; contact is graphitic. Graphitic fault gouge at 56.51Ø. Graphitic shear at 364.9 is slickensided, slickensides at CA 60°. C-fractures at CA 8° S-fractures at CA 5Ø°.
56.55	58Ø.9		144	5BØ	(5BØ2:5EØ:5B2) 75:20:Ø3:Ø2 Light to medium grey with buff-white carbonate-quartz laminae/bands follow

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
					S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper (fault) contact at CA 50°. Sharp lower contact at CA 70°.
					More carbonaceous 5BØ2 and 5B2 sub-units are calcareous, are CS_2 and PS_2 foliated, have dark grey to black (graphitic) fracture surfaces, soft and have gradational contacts with 5BØ.
					Bluish grey marbly bands are 2-5cm. wide, calcareous, moderately soft and have fairly sharp contacts with 5BØ, 5BØ2 and 5B2.
					CONTINUED ON NEXT PAGE

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Lithologic Log

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Date: Dec '90 Logged By: D. Zsoldos

From	To	Recov.	No.	Unit	Description
10 14	18 20	22 24	26 28	30 34	35
580.	583.		1,45	5B6,4	→4LO (5DO : 5B2) 95:03:02
					Medium-light gray slightly greenish non-calcareous to very weakly calcareous phyllite moderately locally strongly altered to muscovite/sericite which gives a 4LO texture locally. Alteration occurs in varying degrees throughout where most strong occurs in 2-6mm bands and wisps parallel S_2. Unit is very slightly porous FS_2 folded and hosts minor 5DO and 5B2. 5DO is lucidized in a 20cm band at the base of the interval. 5B2 occurs throughout as wisps and bands (.3 - 1.5 cm). All contacts are parallel S_2 and are sharp. Rock is moderately soft, strongly broken with good recovery. Upper and lower contacts of interval are sharp and parallel S_2.
583.	584.		1,46	5B2	(5B62) 60:40
					Unit grades from a medium to medium-dark gray 5B62 to a dark gray 5B2 from top of interval to the base. All units are non-calcareous, FS_2 folded and grades from moderately broken to strongly broken down hole. 5B2 very slightly tarnishes finger medium gray. Interval contains 1-2% quartz stringers of variable orientation with trace Py associated. Rock is moderately soft throughout, recovery is good throughout. Upper contact is sharp and parallel S_2. Lower contact is broken and crushed.

C.R.I. 1987 E-3A

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '90 Logged By: J. Sheehan

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	36
584.	584.6		147	5B60	FAULT
					Medium to medium dark gray is very strongly crushed and hosts 20% gouge. Interval is weakly calcareous. Upper and lower contacts are crushed - no orientation is available. Recovery is 80%
584.	587.		148	5B402	# → 4LO (4LO=) 51:49
					Medium dark gray often appearing greenish-buff, weakly calcareous phyllite is weakly carbonaceous where → 4LO alteration is weak. Alteration to 4LO is highly variable throughout with local clasts of very strong 4LO alteration common. Interval is generally PS_y foliated with a moderate to weak brecciated texture overprint. 4LO is often in sharp contact with 5B402 → 4LO by breccia textur. All units are slightly porous, soft and strongly broken. Interval is crushed at 585.4 - 586.1. Recovery is good. Upper contact is crushed, lower contact is sharp and oriented parallel S_y.
587.4	587.9		149	AAA	
					Very dark gray to black iron-calcareous graphitic quartzite is moderately mineralized, PS_y foliated and hosts 3-5% ≤1mm dolomite stringers of highly variable orientation. Mineralization is Sph dominate and most common occurs disseminated within clots, bands and wisps roughly oriented parallel S_y. Rock is very hard, slightly broken with

DDH 90DX-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Sedgwick

From	To	Recov.	No.	Unit	Description
10 14	18 20	22 24	26 28	30 34	35
					good recovery. Upper and lower contacts are sharp and parallel S_2. Estimated Grade is 10-12%
587.	589.		1,5,8	5B6	4
					Medium locally light gray non-calcareous phyllite is PS_2 foliated and generally weakly bleached, sporadically and rarely moderately bleached. Bleached portions are light to medium light gray. Interval hosts 1-2% clotty and disseminated Po. Py occurs as 1mm clotts and rarely as trains parallel S_2 planes. Py does not constitute more than trace of interval. Rock is soft, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
589.	592.		1,5,1	AA4	
					Very dark gray to black non-calcareous graphitic quartzite is moderately to strongly mineralized, PS_2 foliated and hosts trace-1% dolomitic wisps and stringers of highly variable orientation. Pyrite is sporadic fine grained and most commonly disseminated in wispy bands oriented parallel S_2 and associated with Sph mineralization. Less commonly pyrite occurs as clotts and as a disseminated matrix within rare very siliceous bands

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '90 Logged By: J. Zbeetnoff

From	To	Recov.	No.	Unit	Description
					(1.5-2.0cm) oriented parallel S_2 and often lacking in Sph. Rock is very hard, slightly locally moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Lower contact is fault bound. ESTIMATED GRADE is 12-15%.
592.4	594.2		1.52	4AO	4 ±# ±1 → 5AO (5DO#) 85:15 Very dark gray to black non-calcareous to top of 5DO, moderately to strongly calcareous within and below 5DO. Unit is generally very weakly to non silicious locally moderately silicous. Mineralization is rare and very weak at best. Interval contains a single band of calcareous 5DO at 593.35-593.65, with sharp contacts parallel S_2. Upper contact of 5DO contains a 2-3mm band of strong Sph mineralization within 4AO, lower contact of 5DO is barren. Pyrite is sporodic within 4AO → 5AO but slightly more common above 5DO. All units vary from slightly soft to sporodically moderately hard moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Upper contact hosts a 40cm interval of crushed strongly broken and gouge bearing fault zone. No orientation possible other than parallel to subparallel S_2

DDH 90DX-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J Beattie

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
	599.4	600.0		1,53	4A4	(500 : 4LO) · 98:01:01
						Very dark gray to black non-calcareous graphitic quartzite is variably mineralized ranging from moderately strong to locally very strong. Unit is BS_2 foliated with highly siliceous bands common and hosting the majority of the moderate, strong mineralization. Siliceous bands are common 05-15 cm wide. Strongly mineralized intervals are commonly on dm scale highly siliceous and has sph mineralization disseminated throughout with only a very crude banding parallel S_2 (?).
						Unit hosts 5-7% clotty and stringy quartz-dolomite veins and wisps and bands at 500 and 4LO which do not exceed 3cm in width. From 599.4 - 600.0 4A4 is CS_2 foliated with 0.2-0.5 cm bands with high py content and moderate sph content defining a CS_2 fabric. Rock is hard, slightly broken, rarely moderately broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2. Internal contacts also parallel S_2. Estimated grade 10-15%
	600.0	603.0		1,54	4A1	→ 5361
						light-medium gray slightly buff unit is non-calcareous variably siliceous, BS_2 foliated and hosts 10% stringy clotty networks of quartz dolomite veinlets which crosscut S_2 at variable relationships. Silicification is generally moderately locally very strong to intense and locally weak. Unit

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec 90 Logged By: J. Zbrodn.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						hosts 1-2% stringy and clotty networks of Py and Po which crosscut S_2. Rock varies from moderately hard to locally very hard and slightly brit. Silicification controls hardness and generally is not controlled by S_2. Upper and lower contacts are sharp and parallel S_2.
	603.8	603.9		1555	4AA	(4EO:4HO) 70:20:10
						Very Dark gray to black graphitic quartzite is locally intensely silicified to a medium dark gray. Unit is moderately recrystallized with sporadic bands and clots of very strong sph. mineralized. Pb is sporadic and occurs most commonly as clots which cross cut banding / S_2. Locally unit contains 1mm Py clots within a dense fine grained sph matrix - similar texture to backshot facies of Faro Deposit.
						AT 403.6 - 403.8 unit hosts massive Py with unknown Sph - Pb content ⇒ 4EO. Below 4EO unit hosts 4HO at 403.8 to EOI.
						Rock is hard throughout and slightly brkn. Upper and lower contacts are parallel S_2.
	603.9					

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 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
	6039	6053		156	5B6	HEALED POLYMICT BRECCIA, CLAST-SUPPORTED. Angular elongate clasts of 5B62, 100$, 5B6 (≤0.1m dia.) supporting light to medium grey non-calcareous 5B6 matrix. Well-healed. No vugs. Brecciated texture. Some CS_2 and PS_2 foliation in lower section (below 604.2). Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Sharp upper contact subperpendicular CA, marked by last occurrence of sphalerite. Gradational contact parallel S_2. Quartz-dolomite clasts are white-cream, weakly calcareous, hard, contain olive-grey wisps of Mg-chlorite and black wisps of Fe-chlorite, and are angular-elongate.
L	6053	6063		157	5B62	(100$) 80:20 Medium to dark grey with cream white carbonate (dolomite?) - quartz laminae/bands following S_1/S_2. Non-calcareous (Vangorda-Mt. Mye Transition Zone?). CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Fair RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 50°. White-cream quartz-dolomite band ac concordant vein subparallel S_2 is weakly calcareous, hard, contains wisps of black Fe-chlorite and has sharp contacts with 5B62.
L	6063	6068		158	10G	MAGNETITE PYROXENITE. Dark greenish grey. Strongly magnetic. Non-calcareous. Weakly PS_2 foliated to massive. Dark grey-grey fracture surfaces. Moderately hard. No sulphides. Relict porphyritic (core) to phaneritic (chill margins) igneous texture with zonation. Core has white m.g. anhedral pleonectysts and black m.g. subhedral (magnetite?)

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 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
						phenocryst with 90° cleavages and high mag. susceptibility. V.f.g. aphanitic groundmass (of plagioclase, pyroxenes, amphiboles). Very good core recovery, RQD. Sharp upper contact at CA 50°. Sharp lower contact at CA 40°.
L	6068	6083		159	5862	(100%) 96:04 HEALED OLIGOMICT CLAST-SUPPORTED BRECCIA. Dark grey with cream-white dolomite-quartz laminae/bands following S_1/S_2. Healed clast-supported brecciated texture. Non-calcareous (Vangorda-Mt. Mye Transition Zone) Dark gray to silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery, Fair RQD. Sharp upper contact at CA 40°. Sharp lower contact at CA 70°.
						White-cream quartz-dolomite band or concordant vein subparallel S_2 is weakly calcareous, hard, contains wisps of black Fe-chlorite and has sharp contacts with SB@2.
L	6085	6085		160	1058	CHILL MARGIN, MOSTLY V.f.g. aphanitic Dark olive greenish grey groundmass supporting c.g. white subhedral feldspar phenocrysts and black m.g. subhedral non-magnetic pyroxene (90° cleavage) and amphibole (58°, 126° cleavage) phenocrysts. Moderately calcareous and hard. Olive-grey fracture surfaces. No sulphides. Very good core recovery, RQD. Sharp upper and lower contacts at CA 70°.
L	6085	6106		161	5A	BLOCKY TO FRIABLE BROKEN CORE. GRAPHITIC FRACTURES Dark grey to black with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces (1-3% graphite). Soft. No sulphides. Blocky to friable core throughout. Fair

DDH 90DY-02

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
L	617.4	620.8		165	5B62	(5B6) 95:05
						Medium to dark grey and cream-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2 at CA 0°-30°, CA 60°-90°. Non-calcareous. CS_2 and PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery, RQD. Gradational upper and lower contacts parallel S_2. Weakly carbonaceous.
						Light to medium grey less carbonaceous sub-unit has gradational contacts with 5B62. Brecciated. Occurs at 620.0-620.4.
L	620.8	622.7		166	5B6	(100 ~~84~~) 85:15
						Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						White-cream ± buff quartz-dolomite ± calcite bands or concordant veins subparallel S_2 are weakly to moderately calcareous, hard, contain black wisps of Fe-chlorite and have sharp contacts with 5B6.
L	622.7	624.2		167	5B62	
						Medium to dark grey (carbonaceous) with cream-white dolomite-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. CS_2 and PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 2/91 Logged By: DHallinwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	6242	6256		168	5B26	
						Dark grey with cream-white laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. (Vangorda-Upper Tuff Transition Zone) CS_2 and PS_2 foliated. Dark grey fracture surfaces. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 30°-70° (convolute).
L	6256	6270		169	10E2	LEUCOCRATIC PHASE.
						Apple-green-grey m.g. aphanitic to phaneritic groundmass with white subhedral c.g. to m.g. feldspar phenocrysts. Non-calcareous. Possibly bleached (quartz-sericite?) Apple green fracture surfaces. Massive, hard. Good core recovery. Fair RQD. Sharp upper contact at CA 30°-75° (convolute). Sharp lower contact at CA 65°.
L	6270	6273		170	5B26	
						Dark grey with cream-white laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. Carbonaceous. Dark grey fracture surfaces (i.e. graphite). Soft. No sulphides. Good core recovery. Fair RQD. Sharp upper (CA 65°) and lower (CA 20°) contacts.

CONTINUED ON NEXT PAGE

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 31/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	627.3	627.9		17.1	1ØE2	MELANOCRATIC PHASE.
						Light to medium gray v.f.g aphanitic groundmass supporting white feldspar m.g - c.g subhedral phenocrysts in a porphyritic igneous texture. Non-calcareous. Gray fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Sharp lower contact at CA 7Ø°. Sharp upper contact at CA 7Ø° Chill margins at lower Ø.2m and upper Ø.4m.
L	627.9	629.6		17.2	1ØE4	LEUCOCRATIC PHASE.
						Apple green-grey m.g-f.g. aphanitic to phanecitic groundmass with white subhedral c.g-m.g. feldspar phenocrysts and transparent-smokey m.g anhedral quartz phenocrysts. Weakly calcareous. Possibly bleached (quartz-sericite?). Apple green fracture surfaces. Massive. Hard. Good core recovery. Sharp upper contact at CA 7Ø°. Sharp lower contact at CA 5Ø°. Cut by rare calcite-quartz veinlets at CA 3Ø°-6Ø°. Blocky core at 628.4-628.8.
L	629.6	634.2		17.3	1ØE8 4	→ 1ØA84, 1ØD84 &5
						Blue-grey f.g -v.f.g. groundmass with smokey-transparent m.g anhedral quartz "eye" phenocrysts and Black f.g. subhedral amphibole phenocrysts. Non-calcareous, except for rare calcite-quartz veinlets at CA 3Ø°-6Ø°. Massive. Contains trace disseminated pyrite as euhedral cubes (≤2mm). Good core recovery. Fair to poor RQD. Blocky core at 631.8-632.3 & 633.2-633.6 and 633.9-634.2. Sharp upper contact at CA 5Ø°. Sharp lower contact at CA 35°.
L	634.2	637.9		17.4	5A*	VANGORDA — MT. MYE TRANSITION ZONE.
						Black to dark grey with buff-white calcite-quartz veinlets at all CA angles. Chaotic in appearance with clast-supported oligomict brecciated appearance

DDH 90Y-07

CURRAGH RESOURCES INC.

Lithologic Log

Date Jan. 31/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						locally (angular black clasts ≤ 10mm dia. separated by medium grey clay-carbonate matrix) and mylonitic gneiss appearance elsewhere, with flexion structure (C-fractures) at CA 70°. Non-calcareous. Dark grey to black (graphitic) fracture surfaces. Soft. No sulphides. Good core recovery. Fair RQD. Fairly blocky, especially at 637.4-637.9. Sharp upper contact at CA 35°. Sharp lower contact at CA 40° is graphitic.
L	6379	6380		175	1ØE8	
						Apple-green porphyritic unit, as above. Very good core recovery, RQD. Sharp graphitic upper contact at CA 40°; Sharp lower contact at CA 60°.
L	6380	6390		176	5A*	VANGORDA-MT. MYE TRANSITION ZONE.
						Black to dark grey chaotic unit with elongate mylonitic appearance and cream-white lenses and pods subparallel S_2. Non-calcareous. Weak P_{S_2} and C_{S_2} foliation. Black (graphitic) fracture surfaces soft. No sulphides. C-fractures at CA 45°. Good core recovery. Fair RQD. Sharp upper contact at CA 60°; Sharp lower contact at CA 70°.
L	6390	6399		177	1ØE8	(5A*) 95:Ø5
						Apple green porphyritic unit, as above. Good core recovery. Fair RQD. Sharp upper contact at CA 70°. Sharp contact at CA 40°.
						Contains band of 5A* at 639.65-639.7.

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 2/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	6399	6405		178	5AR	VANGORDA-MT. MYE TRANSITION ZONE Black chaotic mylonitic gneissic unit. Non-calcareous. Mylonitic (Mark) texture subparallel S_2, with cream-white carbonate (dolomite)-quartz bands and pods elongate subparallel S_2. Black (graphitic) fracture surfaces. Soft. Good core recovery, RQD. Sharp upper (CA 40°) and lower (CA 70°) contacts.
L	6405	6416		179	10E8	(5A*) 90:10 Apple-green non-calcareous, porphyritic, moderately soft intrusive unit with sharp upper (CA 70°) and lower (CA 80°) contacts. Good core recovery, RQD. Contains 3 bands of 5A* at CA 60°-80° at 641.0-641.2.
L	6416	6440		180	3G9	5A? (368) VANGORDA-MT. MYE TRANSITION ZONE. 99:01 Dark grey to black with cream-white laminae/bands following S_1/S_2. Non-calcareous. PS_2 foliated. Moderately soft to soft. Vuggy. With brownish-green micas (phlogopite or Mg-chlorite?). Rare metallic pyrrhotite on fracture surface as hexagonal(?) plate (subhedral crystal form of pyrrhotite with basal cleavage) at 643.1 Fair core recovery. Poor RQD. Blocky core throughout. Sharp upper contact at CA 80°. Sharp lower contact at CA 85°. Local greenish (chloritic) bands have gradational contacts with major unit.
L	6440	6467		181	3G9	5A? FRIABLE TO BLOCKY BROKEN. VANGORDA-MT. MYE TRANSITION ZONE. As above, but graphitic fractures occur with friable to blocky broken core throughout. C-fractures at CA 40°. Sharp upper contact at CA 85°. Sharp graphitic fault gouge lower contact at CA 40°.

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 2/93 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	646.7	651.1		182	369.1	→ 5AK1 VANGORDA–MT. MYE TRANSITION ZONE: Black to dark grey with cream-white carbonate (dolomite)-quartz laminae/bands following S_1/S_0. Non-calcareous. CS_2 and FS_2 foliated. Black (non-graphitic) fracture surfaces. Soft to hard (lower section), where weakly silicified. Trace pyrrhotite as fracture filling. Chaotic (mylonitic gneiss) appearance in lower section. Very good core recovery. Good RQD. Sharp upper contact at CA 40°. Sharp lower contact at CA 85°. Blocky core at 648.7–649.1, 650.9–651.1. Last occurrence of 5AK in hole. Possible Vangorda – Mt. Mye Contact at 651.1.
L	651.1	673.5		183	360	(369 : 100$) 80 : 15 : 05: MT. MYE? Light to medium grey with cream-white dolomite-quartz laminae, bands parallel S_2. Non-calcareous. FS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrrhotite. Very good core recovery. Good RQD. Blocky core at 651.1–651.6 (upper contact), 667.7–667.8, 670.8–670.9. Sharp upper contact at CA 85°. Sharp lower contact at CA 70°. Medium to dark grey more carbonaceous sub-units are non-calcareous, soft and have gradational contacts with 360. White-cream quartz-dolomite ± calcite bands or concordant veins are weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and black Fe-chlorite and have sharp contacts with 360 subparallel S_2.
L	673.5	673.8		184	700	White-grey-blue, non-calcareous, hard quartz band or concordant vein has black Fe-chlorite wisps and have sharp contacts at CA 70°-80°. Very good core re-

Form: PAD

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 2/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	673.8	678.4		185	360	(360 9:10 S) 80 : 10 : 10 MT. MYB
						Light to medium grey with cream-white dolomite-quartz bands and carbonaceous black laminae, bands parallel S_2. Non-calcareous. PS_2 foliated (weakly). Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery, RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 45°.
L	678.4	680.3		186	100 S	
						Blue-grey-white quartz±dolomite bands or concordant veins subparallel S_2. Very weakly calcareous. Blue-grey fracture surfaces. Hard. Trace disseminated pyrrhotite. Contains wisps of olive-grey Mg-chlorite and black Fe-chlorite. Very good core recovery, RQD. Sharp upper contact at CA 45°. Sharp lower contact at CA 85°.
L	680.3	686.7		187	360	(100 S) 90 : 10
						Light to medium grey with cream-white dolomite-quartz laminae, bands following S_2. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 85°.
						White-cream quartz-dolomite bands or concordant veins subparallel S_2. Weakly calcareous. Hard. Contains olive-grey Mg-chlorite and black Fe-chlorite. Sharp contacts with 360.
						686.7 = EOH

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan.25/91 Logged By: D. Halliwell 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				[illegible]				65–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
7.9	—	—	R1	4	2	1	16	6.0	J	1	14	6.0	J					23	14	3.0	S	BQ	O/B
9.5	1.1	0.0	R2	5	3	2	18	6.0	J	3	18	6.0	J					40	13	2.0	S	—	
11.0	1.0	0.1	R2	5	2	2	18	6.0	J	0	—	—	—					34	13	3.0	S		
14.0	2.85	0.5	R2	10	2	1	15	10.0	J	3	14	10.0	J					53	13	3.0	S		
17.1	2.85	0.6	R2	11	2	2	17	10.0	J	1	15	10.0	J					45	12	3.0	S		
20.1	2.8	0.9	R2	9	3	2	18	6.0	J	1	15	10.0	J					52	12	3.0	S		
22.6	2.9	0.9	R2	11	3	2	16	9.0	J	2	17	9.0	J					55	12	3.0	S		
25.3	2.4	1.2	R2	10	2	2	14	9.0	J	1	18	9.0	J					34	12	4.0	SG		clayey gouge
26.2	2.05	1.6	R2	12	1	0	—	—	—	0	—	—	—					11	13	6.0	S		
29.3	3.0	1.6	R2	14	1	2	15	10.0	J	3	16	10.0	J					28	12	10.0	S		
32.3	3.1	1.3	R2	14	1	0	—	—	—	1	9	10.0	G					38	13	6.0	S		clayey gouge
35.4	2.9	1.0	R2	15	1	2	15	10.0	J	1	14	10.0	J					37	13	6.0	S		
38.4	3.2	1.2	R2	10	1	2	15	10.0	J	4	13	10.0	S,J					34	12	6.0	S		
39.9	1.4	0.7	R2	13	1	0	—	—	—	2	14	10.0	J					15	12	10.0	S		
41.45	1.7	0.5	R2	12	1	2	16	10.0	J	2	15	10.0	J					18	12	10.0	S		
44.5	2.9	1.1	R2	9	1	1	13	10.0	J	0	—	—	—					44	12	3.0	S		
46.9	2.8	0.9	R2	11	1	1	15	10.0	J	1	14	10.0	J					41	12	3.0	S		
48.2	0.8	0.7	R2	6	2	1	8	10.0	G	0	—	—	—					17	12	6.0	S		clayey gouge
50.6	2.3	0.6	R2	12	2	0	—	—	—	4	14	10.0	J					31	13	6.0	S		
53.0	3.6	0.7	R2	11	3	2	14	9.0	J	2	16	10.0	J					45	12	3.0	S		
56.1	2.8	1.2	R2	11	3	2	16	8.0	J	2	16	10.0	J					32	13	6.0	S		
59.1	3.1	0.1	R2	6	2	2	16	10.0	J	2	14	10.0	J					69	13	3.0	S		
62.2	3.0	2.3	R2	11	1	1	16	10.0	J	2	18	10.0	J					25	13	9.0	S		
65.5	3.0	1.6	R2	14	1	0	—	—	—	2	16	10.0	J					11	12	10.0	S		
68.6	3.0	2.1	R2	14	1	0	—	—	—	3	15	10.0	J					30	12	6.0	S		
71.6	3.0	1.2	R2	12	1	1	16	10.0	J	3	14	10.0	J					44	12	3.0	S		
74.7	3.0	1.4	R2	10	1	1	16	10.0	J	2	15	10.0	J					36	11	6.0	S		
78.0	3.1	1.1	R2	11	1	1	16	10.0	J	1	14	10.0	J					35	11	6.0	S		
81.1	3.0	1.6	R2	12	1	0	—	—	—	1	16	10.0	J					37	11	6.0	S		
84.1	3.0	1.4	R2	13	1	2	16	10.0	J	1	14	10.0	J					41	14	3.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan.25/91 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				[redacted]				65–90			
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type
87.2	3.0	1.1	R2	11	1	1	16	10.0	J	2	15	10.0	J					40	11	3.0	S
90.2	3.1	2.3	R2	14	1	1	16	10.0	J	2	14	10.0	J					25	13	9.0	S
93.3	3.0	1.7	R2	13	1	0	–	–	–	0	–	–	–					27	12	6.0	S
96.3	3.0	2.5	R2	11	1	0	–	–	–	0	–	–	–					35	12	6.0	S
97.8	1.4	0.0	R2	5	1	1	14	10.0	J	1	15	10.0	J					35	12	6.0	S
99.4	1.6	0.7	R2	12	1	1	14	10.0	J	1	16	10.0	J					27	12	6.0	S
102.4	2.8	1.3	R2	14	1	0	–	–	–	2	15	10.0	J					31	12	6.0	S
105.5	3.1	1.5	R2	14	1	0	–	–	–	3	14	10.0	J					37	12	6.0	S
108.5	3.1	1.7	R2	15	1	0	–	–	–	1	14	10.0	J					40	12	3.0	S
111.6	3.1	1.5	R2	14	1	2	16	10.0	J	2	14	10.0	J					29	11	6.0	S
114.6	3.1	2.6	R2	15	1	0	–	–	–	0	–	–	–					18	13	10.0	S
117.7	3.1	2.1	R2	14	1	1	6	10.0	J	2	14	10.0	J					21	12	10.0	S
120.7	3.1	1.4	R2	12	1	1	15	10.0	J	0	–	–	–					40	12	3.0	S
123.7	3.1	2.3	R2	13	1	0	–	–	–	2	12	10.0	S					28	12	6.0	S
126.8	3.0	2.0	R2	14	1	1	15	10.0	J	0	–	–	–					28	12	6.0	S
129.8	2.9	1.8	R2	14	1	0	–	–	–	1	12	10.0	S					24	12	6.0	S
132.9	3.1	1.3	R2	11	1	0	–	–	–	4	16	10.0	J					31	12	6.0	S
135.9	2.7	0.5	R2	10	1	1	15	10.0	J	2	14	10.0	J					55	12	3.0	S
138.1	2.0	0.2	R2	7	1	2	16	10.0	J	2	15	10.0	J					55	12	3.0	S
141.0	2.9	0.1	R2	8	1	1	15	10.0	J	0	–	–	–					28	12	3.0	S
142.6	1.6	0.1	R2	10	1	1	16	10.0	J	1	14	10.0	J					59	12	3.0	S
145.1	2.5	2.0	R2	12	1	0	–	–	–	1	16	10.0	J					41	14	3.0	S
147.2	2.1	0.5	R2	8	1	2	15	10.0	J	2	16	10.0	J					55	13	3.0	S
150.2	3.0	0.5	R2	8	1	2	16	10.0	J	1	16	10.0	J					76	12	3.0	S
153.2	2.1	0.0	R1	4	1	0	–	–	–	3	18	10.0	J					120	12	2.0	S
156.4	3.0	0.9	R2	11	1	0	–	–	–	2	16	10.0	J					22	14	6.0	S
158.2	2.0	0.2	R2	9	2	2	16	10.0	J	2	16	10.0	J					49	13	3.0	S
160.3	1.9	0.0	R2	6	3	2	16	10.0	J	2	15	10.0	J					60	12	3.0	S
163.4	3.1	0.4	R2	10	2	1	16	10.0	J	2	17	10.0	J					59	14	3.0	S
166.4	3.1	0.6	R2	11	3	2	17	10.0	J	2	16	10.0	J					50	13	3.0	S
169.5	3.4	0.2	R2	9	3	2	16	10.0	J	1	13	10.0	J					62	12	3.0	S
172.5	3.1	0.9	R2	12	2	0	–	–	–	0	–	–	–					37	12	6.0	S

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan 27/91 Logged By: D. Halliwell Page 85 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0 - 40 No	0 - 40 Rough	0 - 40 Alt	0 - 40 Type	40 - 65 No	40 - 65 Rough	40 - 65 Alt	40 - 65 Type	65 - 90 No	65 - 90 Rough	65 - 90 Alt	65 - 90 Type	COMMENTS
175.6	3.0	2.3	R2	14	2	0	—	—	—	0	—	—	—	19	12	10.0	S	BQ
178.6	3.1	1.8	R2	14	2	1	16	10.0	J	1	16	10.0	J	35	11	6.0	S	
181.7	3.0	1.8	R2	15	1	0	—	—	—	1	17	10.0	J	19	13	10.0	S	
184.7	3.0	2.8	R2	15	1	0	—	—	—	1	13	10.0	S	19	13	10.0	S	
187.8	3.1	2.4	R2	16	1	0	—	—	—	0	—	—	—	14	12	10.0	S	
190.8	3.0	2.2	R2	16	1	1	16	10.0	J	0	—	—	—	11	13	10.0	S	
193.9	3.0	1.8	R2	14	1	0	—	—	—	2	14	10.0	J,S	20	12	8.0	S	
196.8	2.7	2.4	R2	12	1	0	—	—	—	1	13	10.0	S	15	11	10.0	S	
199.9	3.1	2.1	R2	13	1	1	16	10.0	J	0	—	—	—	26	12	7.0	S	
203.0	3.0	2.0	R2	12	1	2	16	10.0	J	1	17	10.0	J	16	13	10.0	S	
206.0	3.1	2.4	R2	16	1	1	16	10.0	J	2	16	10.0	J	29	13	6.0	S	
209.1	3.1	1.1	R2	13	1	1	13	10.0	J	0	—	—	—	22	13	6.0	S	
212.1	3.1	2.2	R2	14	1	1	16	10.0	J	1	16	10.0	J	25	12	6.0	S	
215.2	3.2	1.9	R2	13	1	1	15	10.0	J	2	14	10.0	J	23	12	6.0	S	
218.2	2.0	0.0	R2	5	1	1	14	10.0	J	2	8	10.0	G	60	9	3.0	S	MISMATCH: 3' CORE LOSS. CAVE
221.3	3.1	0.7	R2	8	1	1	15	10.0	J	1	16	10.0	J	66	11	3.0	S	
224.3	3.2	0.4	R2	8	1	2	16	10.0	J	1	13	10.0	S	69	13	3.0	S	
227.1	2.8	0.4	R2	9	1	0	—	—	—	3	16	10.0	J	47	13	3.0	S	
230.9	3.2	0.8	R2	8	1	0	—	—	—	3	14	10.0	J	69	13	3.0	S	
230.9	0.9	0.1	R2	6	1	0	—	—	—	3	14	10.0	J	20	14	5.0	S	
233.5	2.6	0.5	R2	8	1	2	17	10.0	J	4	14	10.0	J	46	14	3.0	S	
235.0	1.0	0.0	R2	5	1	2	15	10.0	J	0	—	—	—	30	13	6.0	S	
237.1	1.8	0.2	R2	7	1	2	15	10.0	J	1	13	10.0	S	49	13	3.0	S	
238.7	1.3	0.1	R2	6	1	1	16	10.0	J	0	—	—	—	33	12	6.0	S	
241.7	3.1	0.6	R2	10	1	3	14	10.0	J	2	13	10.0	J	49	12	3.0	S	
244.0	2.3	0.3	R2	8	1	2	16	10.0	J	2	16	10.0	J	62	13	3.0	S	
245.1	0.8	0.2	R2	8	1	2	16	10.0	J	1	16	10.0	J	18	14	6.0	S	
246.3	1.2	0.0	R2	8	1	0	—	—	—	3	16	10.0	J	25	14	6.0	S	
248.4	1.6	0.7	R2	10	1	0	—	—	—	5	14	10.0	S	16	12	10.0	S	
251.6	3.1	1.9	R2	12	1	0	—	—	—	0	—	—	—	25	11	6.0	S	

- UPPER DIKE 90DY-07 -

PROJECT _____ DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

A

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
376.7																	
379.3		3.1		3.0				12	F							14	Well healed shear - rough broad [illegible]
382.5		2.6		1.1				10								30	healed shear, scroll cuts and broken
384.4		1.8		0.5				7								28	core rock, mod broken
385.9		1.5		0.55				6								21	strongly broken above 385.5
388.9		3.0		0.9				7								37	strongly broken, fault subparallel CA.
391.7		2.8		1.2				7								26	strongly broken, also // CA
394.7		2.9		1.7				9								15	broken subparallel CA.
397.8		3.1		2.0				11								19	local broken // CA
400.8		3.0		0.9				7								38	[illegible] broken also // S2
403.9		3.1		1.9				11								32	strong bkn // S2
406.9		3.0		1.15				6								44	strongly hydrothermally altered above 405.8
410.0		3.1		2.0				10								31	moderately broken
413.0		3.0		2.1				9								27	
416.1		3.1		0.65				7								54	
419.1		3.0		1.8				11								36	
422.2		2.8		1.7				11	↓							29	

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

DDH# 90DY-07

GEOTECHNICAL LOG

Units: Feet / Metres Date: Jan 29/91 Logged By: D Halliwell Page 86 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. C.A. 0–30 No	0–30 Rough	0–30 Alt	0–30 Type	30–65 No	30–65 Rough	30–65 Alt	30–65 Type	[illegible] No	[illegible] Rough	[illegible] Alt	[illegible] Type	65–90 No	65–90 Rough	65–90 Alt	65–90 Type	Core Size	Comments
254.8	3.05	2.1	R2	12	1	Ø	–	–	–	3	16	10.Ø	J					23	12	6.Ø	S	BQ	
257.9	3.1	2.2	R2	13	1	1	11	10.Ø	J	Ø	–	–	–					28	12	6.Ø	S		
260.9	3.1	2.2	R2	14	1	2	11	10.Ø	J	1	12	10.Ø	S					27	12	6.Ø	S		
264.Ø	3.2	1.5	R2	14	1	1	16	10.Ø	J	1	15	10.Ø	J					33	12	5.Ø	S		
267.Ø	3.Ø	1.7	R3	13	1	1	16	10.Ø	J	3	16	10.Ø	J					33	12	5.Ø	S		
270.1	3.1	1.1	R2	11	1	1	16	10.Ø	J	1	17	10.Ø	J					55	12	3.Ø	S		
273.1	3.Ø	1.9	R2	10	1	1	15	10.Ø	J	6	17	10.Ø	J					38	12	4.Ø	S		
276.1	3.Ø5	Ø.6	R2	10	1	1	16	10.Ø	J	2	17	10.Ø	J					64	12	3.Ø	S		
279.2	2.9	1.6	R2	14	1	2	16	10.Ø	J	2	17	10.Ø	J					35	12	5.Ø	S		
282.3	3.Ø	Ø.7	R2	9	1	2	16	10.Ø	J	2	17	10.Ø	J					60	12	3.Ø	S		
285.3	3.Ø	1.2	R2	11	1	2	14	10.Ø	J	Ø	–	–	–					41	12	4.Ø	S		
288.Ø	2.6	Ø.8	R2	9	1	1	16	10.Ø	J	Ø	–	–	–					38	12	4.Ø	S		
289.9	2.Ø	Ø.7	R2	11	1	1	16	10.Ø	J	Ø	–	–	–					32	12	5.Ø	S		
291.4	1.7	Ø.1	R2	4	2	4	15	10.Ø	J	Ø	–	–	–					54	12	3.Ø	S		
294.4	3.1	Ø.3	R2	7	1	1	16	10.Ø	J	3	16	10.Ø	J					68	12	3.Ø	S		
297.5	3.1	Ø.6	R2	9	1	2	15	10.Ø	J	3	16	10.Ø	J					53	12	3.Ø	S		
300.5	3.Ø	1.2	R2	14	1	1	15	10.Ø	J	3	16	10.Ø	J					35	12	3.Ø	S		
303.6	3.1	1.3	R2	11	1	Ø	–	–	–	Ø	–	–	–					41	12	3.Ø	S		
306.6	3.Ø	1.Ø	R2	10	1	1	16	10.Ø	J	1	14	10.Ø	J					46	12	3.Ø	S		
309.7	3.Ø	1.9	R2	11	1	Ø	–	–	–	1	14	10.Ø	J					34	12	4.Ø	S		
311.5	1.9	Ø.2	R2	8	1	Ø	–	–	–	2	15	10.Ø	J					36	12	3.Ø	S		
313.Ø	Ø.9	Ø.1	R2	7	1	1	17	10.Ø	J	1	15	10.Ø	J					40	12	3.Ø	S		
313.9	3.Ø	2.6	R2	8	1	Ø	–	–	–	Ø	–	–	–					24	13	6.Ø	S		
317.Ø	3.1	1.4	R2	14	1	Ø	–	–	–	Ø	–	–	–					18	14	8.Ø	S		
320.2	3.2	2.2	R2	12	1	1	15	10.Ø	J	3	17	10.Ø	J					41	14	3.Ø	S		
323.2	3.Ø	2.2	R2	11	1	Ø	–	–	–	2	16	10.Ø	J					23	13	6.Ø	S		
326.4	3.Ø	2.7	R2	13	1	Ø	–	–	–	3	16	10.Ø	J					18	12	6.Ø	S		
329.5	3.1	1.1	R2	8	1	1	16	10.Ø	J	1	16	10.Ø	J					46	12	3.Ø	S		
332.5	3.Ø5	1.7	R2	10	1	Ø	–	–	–	2	15	10.Ø	J					40	12	3.Ø	S		
335.6	3.1	1.6	R2	8	1	Ø	–	–	–	4	14	10.Ø	J					38	12	4.Ø	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan 29/91 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	[illegible] No	[illegible] Rough	[illegible] Alt	[illegible] Type	65–90 No	65–90 Rough	65–90 Alt	65–90 Type	Core Size	Comments
338.8	3.3	0.8	R2	7	1	0	—	—	—	4	14	10.0	J					42	11	3.0	S	BQ	
342.0	3.1	1.9	R2	12	1	0	—	—	—	1	16	10.0	J					32	13	5.0	S	—	
345.0	3.1	1.2	R2	11	1	0	—	—	—	2	16	10.0	J					41	14	3.0	S		
346.3	1.2	0.7	R2	9	1	0	—	—	—	0	—	—	—					19	13	8.0	S		
349.3	3.1	1.5	R2	9	1	0	—	—	—	0	—	—	—					34	14	4.0	S		
352.3	3.0	2.2	R2	13	1	0	—	—	—	3	14	10.0	J					23	14	6.0	S		
355.4	3.0	1.7	R2	12	1	1	16	10.0	J	2	14	10.0	J					27	12	6.0	S		
358.4	3.0	2.3	R2	14	1	0	—	—	—	2	14	10.0	J					19	13	8.0	S		
361.5	3.1	2.5	R2	14	1	0	—	—	—	2	13	10.0	S					18	13	8.0	S		
364.5	3.0	2.1	R2	14	1	0	—	—	—	1	15	10.0	J					17	13	10.0	S		
367.6	3.0	2.7	R2	12	1	0	—	—	—	1	15	10.0	J					38	13	4.0	S		
370.6	3.0	2.4	R2	12	1	1	15	10.0	J	1	15	10.0	J					22	13	8.0	S		
373.2	3.1	2.4	R2	12	1	0	—	—	—	2	15	10.0	J					36	13	6.0	S		
376.3	3.1	2.4	R2	12	1	0	—	—	—	2	14	10.0	J					23	12	10.0	S		
379.8	3.1	3.0		12	1	0	—	—		0	—	—	—					14			S		well bedded stone - mud hard
382.5	2.6	1.1		10	1	0	—	—		0	—	—	—					30			S		hold stone, badly split broken
384.4	1.8	0.5		7	1	0	—	—		0	—	—	—					28			S		soft rock, med broken
385.9	1.5	0.55		6	1	0	—	—		0	—	—	—					21			S		385.1 strongly broken above
388.9	3.0	0.9		7	1	0	—	—		0	—	—	—					37			S		strongly broken, fault 11 CA
391.7	2.8	1.2		7	1	0	—	—		0	—	—						26			S		strongly broken 11 CA
394.7	2.9	1.7		9	1	0	—	—		0	—	—						15			S		strongly broken often 11 CA
397.8	3.1	2.0		11	1	0	—	—		0	—	—	—					19			S		badly broken 11 CA
400.5	3.0	0.9		7	1	0	—	—		0	—	—	—					38			S		really broken, slickensided 115,
403.9	3.1	1.9		11	1	0	—	—		0	—	—	—					32			S		badly broken other fract
406.9	3.0	1.15		6	1	0	—	—		0	—	—	—					44			S		strongly broken 405.8 fault above
410.0	3.1	2.0		10	1	0	—	—		0	—	—	—					31			S		strongly broken
413.0	3.0	2.1		9	1	0	—	—		0	—	—	—					27			S		
416.1	3.1	0.65		7	1	0	—	—		0	—	—	—					54			S		
419.1	3.0	1.8		11	1	0	—	—		0	—	—	—					36			S		
422.2	2.8	1.7		11	1	0	—	—		0	—	—	—					29			S		
425.2	3.1	2.3	R2	13	1	2	16	10.0	J	3	15	10.0	J					18	12	10.0	S	—	

old format logged by J. before Dec 31/91

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan 31/91 Logged By: D Halliwell Page 88 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t CA																Core Size	Comments
						0–30				30–65				[illegible]				65–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
428.2	3.1	2.1	R2	11	1	2	17	10.0	J	2	13	10.0	J					21	12	9.0	S	NQ	
431.3	3.1	2.3	R2	13	1	0	—	—	—	2	17	10.0	J					13	13	10.0	S		
434.3	3.1	2.6	R2	14	1	3	17	10.0	J	3	16	10.0	J,S					11	12	10.0	S		
437.4	3.1	1.1	R2	9	2	5	16	10.0	J	2	10	10.0	G					51	12	3.0	S		limonitic clay gouge at 435.6.
440.4	3.2	1.4	R2	10	1	1	15	10.0	J	2	14	10.0	J					38	13	6.0	S		
443.5	3.2	2.1	R2	11	1	2	17	10.0	J	3	15	10.0	J					31	12	6.0	S		
446.5	3.1	2.2	R2	13	1	1	12	10.0	J	2	15	10.0	J					22	12	9.0	S		
449.6	3.0	2.8	R2	8	2	2	11	10.0	J	1	16	10.0	J					28	12	6.0	S		
452.6	3.1	2.0	R2	14	1	1	13	10.0	J	1	13	10.0	J					35	12	6.0	S		
455.7	3.0	2.1	R2	13	1	1	15	10.0	J	2	16	10.0	J					22	12	9.0	S		
458.7	3.1	2.0	R2	14	1	1	14	10.0	J	0	—	—	—					21	12	9.0	S		
461.8	3.1	2.7	R2	14	1	1	14	10.0	J	3	17	10.0	J					17	11	10.0	S		
464.8	3.1	2.4	R2	12	1	3	14	10.0	J	2	16	10.0	J					29	12	6.0	S		
467.9	3.0	2.1	R2	12	1	2	16	10.0	J	0	—	—	—					35	12	6.0	S		
471.2	3.0	1.7	R2	11	1	1	14	10.0	J	0	—	—	—					33	12	6.0	S		
474.3	3.1	2.0	R2	11	1	2	16	10.0	J	3	15	10.0	J					35	12	6.0	S		
477.3	3.0	2.7	R2	12	1	1	16	10.0	J	0	—	—	—					24	12	6.0	S		
480.4	3.1	2.2	R2	11	1	0	—	—	—	0	—	—	—					41	13	5.0	S		
483.4	3.2	2.1	R2	11	1	0	—	—	—	2	15	10.0	J					35	12	6.0	S		
486.5	3.1	2.2	R2	12	1	0	—	—	—	0	—	—	—					29	12	6.0	S		
489.5	3.1	1.3	R2	11	1	1	14	10.0	J	0	—	—	—					44	13	3.0	S		
492.6	3.1	2.2	R2	10	1	0	—	—	—	1	14	10.0	J					21	12	6.0	S		
495.6	3.1	2.1	R2	9	1	1	14	10.0	J	3	14	10.0	J					33	12	6.0	S		
498.7	3.1	1.9	R2	12	1	1	14	10.0	J	2	16	10.0	J					33	12	6.0	S		
501.7	3.1	2.7	R2	13	1	0	—	—	—	3	15	10.0	J					29	12	6.0	S		
504.7	2.9	1.7	R2	11	1	2	13	10.0	J	2	14	10.0	J					32	12	6.0	S		
507.8	3.0	2.0	R2	14	1	0	—	—	—	0	—	—	—					28	11	6.0	S		
510.8	3.1	2.0	R2	12	1	0	—	—	—	1	16	10.0	J					30	12	6.0	S		
513.9	3.0	2.4	R2	13	1	0	—	—	—	1	17	10.0	J					18	13	6.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90-DY-07

Units: Feet / Metres Date: FEB 2/91 Logged By: D. Hollinsh Page 89 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0–~~30~~ 35 No	Rough	Alt	Type	35 ~~30–60~~ 65 No	Rough	Alt	Type	65 ~~55–75~~ 90 No	Rough	Alt	Type	~~75–90~~ No	Rough	Alt	Type	Core Size	Comments
																						NQ	
516.9	3.0	1.8	R2	11	1	Ø	–	–	–	3	16	10.0	J	25	14	5.Ø	S						
520.0	3.1	1.2	R2	8	1	2	16	10.Ø	J	1	15	10.0	J	58	13	3.Ø	S						
523.0	3.0	1.3	R2	8	1	Ø	–	–	–	Ø	–	–	–	43	12	3.Ø	S						
526.1	3.0	0.9	R2	8	1	2	16	10.Ø	J	3	16	10.Ø	J	45	12	3.Ø	S						
528.5	2.4	0.6	R2	7	1	Ø	–	–	–	2	18	10.Ø	J	34	12	6.Ø	S						
531.6	3.0	1.8	R2	8	1	1	16	10.Ø	J	2	17	10.Ø	J	36	12	6.Ø	S						
531.9	0.15	0	R2	6	1	Ø	–	–	–	Ø	–	–	–	6	12	6.Ø	S						
534.9	2.6	0.15	R2	7	1	1	16	10.Ø	J	4	16	10.Ø	J	62	12	3.Ø	S						
537.5	2.2	0.5	R2	8	1	1	16	10.Ø	J	4	17	10.Ø	J	46	12	4.Ø	S						
540.7	3.1	2.0	R2	12	1	1	14	10.Ø	J	1	16	10.Ø	J	25	13	9.Ø	S						
543.8	3.1	1.5	R2	12	1	4	16	10.Ø	J	5	15	10.Ø	J	34	12	6.Ø	S						
544.7	0.6	0	R2	5	1	1	16	10.Ø	J	3	16	10.Ø	J	21	14	8.Ø	S						
547.4	3.0	1.4	R2	9	1	Ø	–	–	–	4	16	10.Ø	J	44	12	3.Ø	S						
550.5	3.0	1.7	R2	10	1	Ø	–	–	–	1	15	10.Ø	J	40	12	3.Ø	S						
552.9	2.2	0.9	R2	11	1	1	16	10.Ø	J	3	16	10.Ø	J	36	12	4.Ø	S						
556.0	2.5	1.4	R2	12	1	1	16	10.Ø	J	4	14	10.Ø	S	29	12	6.Ø	S						
559.0	3.0	2.0	R2	11	1	Ø	–	–	–	Ø	–	–	–	30	12	6.Ø	S						
562.1	3.1	2.7	R2	14	1	1	18	10.Ø	J	1	16	10.Ø	J	13	13	10.Ø	S						
565.1	3.0	1.7	R2	10	1	1	14	10.Ø	J	2	15	10.Ø	J	25	13	8.Ø	S						
568.2	2.9	1.2	R2	12	1	Ø	–	–	–	5	14	10.Ø	J	31	12	6.Ø	SG						Clapp gouge.
571.3	3.0	1.7	R2	10	1	2	16	10.Ø	J	2	16	10.Ø	J	32	12	6.Ø	S						
574.5	3.0	2.4	R2	12	1	Ø	–	–	–	2	15	10.Ø	J	24	13	8.Ø	S						
577.8	3.0	2.4	R2	15	1	Ø	–	–	–	1	16	10.Ø	J	12	12	10.Ø	S	CROSS JOINTS					
580.9	3.1	2.7	R2	13	1	Ø	–	–	–	2	16	10.Ø	J	20	12	10.Ø	S	17					
582.8	1.9	0.2	R2	7	2	1	15	10.Ø	J	2	15	10.Ø	J	49	13	3.Ø	S	43					
584.6	1.8	0.3	R2	7	2	1	16	10.Ø	J	2	15	10.Ø	J	73	14	2.Ø	S	26	CRUSHED + GOUGE				BELOW 584.1
587.0	2.4	0.9	R2	8	2	1	16	10.Ø	J	2	16	10.Ø	J	52	14	3.Ø	S	40	VERY STRONGLY BROKEN				585.5 – 586.3
590.1	3.1	2.1	R2	11	1	1	16	10.Ø	J	4	16	10.Ø	S	28	12	6.Ø	S	33					

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90-DY-07

Units: Feet / Metres Date: FEB 2/91 Logged By: D. Hollinell Page 90 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0–35 No	Rough	Alt	Type	35–65 No	Rough	Alt	Type	65–90 No	Rough	Alt	Type	CROSS JOINTS No	Rough	Alt	Type	Core Size	Comments
																		CROSS JOINTS					
592.2	2.1	1.8	R2	11	1	Ø	–	–	–	Ø	–	–	–	19	12	10.Ø	S	19				NG	
595.3	3.1	2.1	R2	11	1	Ø	–	–	–	Ø	–	–	–	34	12	6.Ø	S	34	CRUSHED AND BROKEN @ 592.7 – 593.1				
597.4	2.1	1.9	R2	12	1	Ø	–	–	–	Ø	–	–	–	19	12	10.Ø	S	19					
598.6	1.2	0.9	R2	11	1	Ø	–	–	–	Ø	–	–	–	7	12	10.Ø	S	7					
601.7	3.1	3.1	R2	14	1	Ø	–	–	–	Ø	–	–	–	5	12	10.Ø	S	5					
604.7	3.0	2.7	R2	13	1	Ø	–	–	–	1	16	10.Ø	J	14	12	10.Ø	S	14					
607.8	3.1	2.1	R2	11	1	1	16	10.Ø	J	3	16	10.Ø	J	3Ø	12	6.Ø	S	31					
608.7	0.9	0.7	R2	11	1	Ø	–	–	–	1	14	10.Ø	S	11	12	8.Ø	S	11					
610.5	2.2	0	R2	5	1	1	14	10.Ø	J	2	14	10.Ø	J	5Ø	11	3.Ø	S	34	STRONGLY BROKEN CRUSHED THROUGH OUT				
613.6	3.1	2.6	R3	14	1	2	15	10.Ø	J	2	15	10.Ø	J	12	14	9.Ø	J	12	CRUSHED 613.2–613.4				
616.0	2.8	2.0	R3	12	2	1	15	10.Ø	J	3	16	10.Ø	J,G	15	14	9.Ø	J						
617.5	2.0	0.1	R2	6	1	2	15	10.Ø	J	2	14	10.Ø	J	66	14	3.Ø	S						
620.6	2.9	2.75	R2	12	1	1	16	10.Ø	J	2	16	10.Ø	J	12	13	10.Ø	S						
623.6	3.1	2.8	R2	14	1	1	14	10.Ø	J	3	15	10.Ø	J	8	13	10.Ø	S						
625.8	2.2	2.0	R2	14	1	1	17	10.Ø	J	4	16	10.Ø	J	9	12	10.Ø	S						
626.7	1.3	0.2	R2	8	2	1	16	10.Ø	J	2	15	10.Ø	J	24	10	10.Ø	S						
628.8	2.1	0.7	R2	10	2	2	14	10.Ø	J	3	14	10.Ø	J	3Ø	12	10.Ø	S						
631.8	3.2	2.1	R3	16	1	3	12	10.Ø	J	7	14	10.Ø	J	22	11	10.Ø	J						
633.4	1.7	0.5	R3	13	1	4	12	10.Ø	J	6	14	10.Ø	J,S	6	14	10.Ø	J						
635.5	2.5	2.1	R2	10	1	1	16	10.Ø	J	3	15	10.Ø	J	20	14	8.Ø	S						
637.9	2.3	0.7	R2	10	1	1	11	10.Ø	J	4	16	10.Ø	J	24	12	8.Ø	S						
640.1	2.5	1.35	R2	8	1	1	12	10.Ø	J	3	11	10.Ø	J,G	29	12	10.Ø	S						
641.9	1.8	1.2	R2	14	1	Ø	–	–	–	2	12	10.Ø	J	11	13	10.Ø	S						
644.3	2.5	0.1	R2	6	1	1	17	10.Ø	J	2	14	10.Ø	J	7Ø	12	3.Ø	S						
645.0	0.7	0	R1	4	1	4	15	6.Ø	J	6	16	6.Ø	J,G	8Ø	13	2.Ø	S		Graphitic gouge				
646.2	1.0	0	R2	8	1	1	8	9.Ø	G	3	8	9.Ø	G,S	3Ø	12	6.Ø	S		Graphitic gouge (Basalt)				
648.0	1.9	0.7	R2	12	1	1	13	10.Ø	J	5	12	10.Ø	S	26	10	10.Ø	S						
651.1	3.3	2.1	R2	12	1	1	13	10.Ø	J	5	12	10.Ø	S	24	10	10.Ø	S						

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90-DY-07

Units: Feet / Metres Date: FEB 2/91 Logged By: DRH/RW Page 9 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0–~~30~~ 35				35 ~~40~~ 65				65 ~~70~~ 90				COMMENTS ~~20~~				Size	Comments
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
																						NQ	
652.9	2.1	1.2	R2	12	1	Ø	–	–	–	2	12	10.0	S	23	12	10.0	S						
655.9	3.2	2.85	R2	13	1	Ø	–	–	–	8	11	10.0	S	20	13	10.0	S						
659.1	3.2	2.3	R2	14	1	Ø	–	–	–	2	11	10.0	S	21	13	8.0	S						
662.3	3.1	2.5	R2	13	1	1	16	10.0	J	1	16	10.0	J	24	12	8.0	S						
665.4	3.1	2.6	R2	14	1	Ø	–	–	–	2	12	10.0	S	23	12	10.0	S						
668.4	3.1	2.1	R2	14	1	Ø	–	–	–	1	12	10.0	S	22	12	10.0	S						
671.6	3.2	2.2	R2	13	1	Ø	–	–	–	3	12	10.0	S	26	12	8.0	S						
674.5	3.1	2.8	R2	14	1	Ø	–	–	–	2	12	10.0	S	13	12	10.0	S						
677.6	3.1	2.7	R2	14	1	Ø	–	–	–	2	12	10.0	S	17	13	10.0	S						
680.6	3.0	2.3	R2	13	1	Ø	–	–	–	2	12	10.0	S	15	12	10.0	S						
683.7	3.15	1.7	R2	13	1	1	14	10.0	J	3	12	10.0	S	32	11	10.0	S						
686.7	3.1	2.2	R2	12	1	Ø	–	–	–	1	16	10.0	J	22	11	10.0	S						
EOH																							

90DY-07 hour use

PROJECT _____ DRILLHOLE NO. 90DY-07 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED A. Burkett INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
577.8																	
580.9		3.1		2.7				13	F							17	
582.8		1.9		0.2				7	E							43	
584.6		1.8		0.3				9	E							26	crushed rock & gouge below 584.1
587.0		2.4		0.9				7	E							40	V. strgly broken @ 585.6 - 586.3
590.1		3.1		2.1				11	F							33	
592.2		2.1		1.8				11								19	
595.3		3.1		2.1				11								34	crushed & broken @ 592.7 - 593.1
597.4		2.1		1.9				12								19	
598.6		1.2		0.9				11								7	
601.7		3.1		3.1				14								5	
604.7		3.0		2.7				13								14	
607.8		3.1		2.1				11								31	
608.7		0.9		0.7				11								11	
610.5		2.2		0				5								34	strgly broken, comm. crushed rock
613.6		3.1		2.6				14	↓							12	crushed @ 613.2 - 613.4
616.0		2.8		2.0													
617.5		2.0		0.1													
620.6		2.9		2.75													
623.6		3.1		2.8													
625.8		2.2		2.0													
626.7		1.3		0.2													
628.8		2.1		0.7													
631.8		3.2		2.1													
633.4		1.7		0.5													
635.5		2.5		2.1													
637.9		2.3		0.7													
640.1		2.5		1.35													

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Fig. 1. Typical rock mechanics core log.

90m - 01

PROJECT _____ DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
641.0		1.8		1.2													
642.5		2.5		0.1													
645.0		0.7		0													
646.2		1.0		0													
648.0		1.9		0.7													
651.1		3.3		2.1													
652.5		2.1		1.2													
655.9		3.2		2.85													
657.1		3.2		2.3													
660.3		3.1		2.5													
663.4		3.1		2.6													
666.5		3.1		2.1													
671.6		3.2		2.2													
674.5		3.1		2.8													
677.6		3.1		2.7													
680.6		3.0		2.3													
683.7		3.15		1.7													
686.7		3.1		2.2													
EOH																	

Fig. 1. Typical rock mechanics core log.

DDH 96DY-07 (2 8) CURRAGH RESOURCES INC. Page 92 of _____

Structural Log Date: Jan 25/91 Logged By: D.R. Halliwell

Code	From	To	Feature	Sys	L_2 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		111	CS2Z		046	541	078	
S		184	CS2Z		023	251	085	
S		210	CS2Z		156	430	116	86
S		298	CS2S		069	212	272	88
S		336	CS2Z		057	422	335	85
S		386	CS2S		165	351	346	63
S		426	CS2S		068	311	280	58
S		506	CS2Z		030	122	094	84
S		526	PS2				70	
S		606	CS2S		153	051	340	58
S		676	CS2Z		012	521	188	83
S		729	CS2Z		153	300	140	79
S		799	CS2Z		035	550	305	66
S		858	CS2S		048	540	069	85
S		916	CS2S		040	520	000	86
S		944	CS2S		012	411	031	85
S		997	PS2				84	
S		1,088	CS2S		057	633	308	77
S		1,122	CS2S		019	633	000	77
S		1,155	CS2S		013	477	006	81
S		1,277	CS2S		010	088	350	80
S		1,340	CS2Z		166	350	068	75
S		1,422	PS2				84	
S		1,433	CS2			200		90
S		1,499	CS2			533		90
S		1,543	CS2S		019	511	000	71
S		1,611	CS2Z		170	140	036	82
S		1,670	CS2S		025	311	010	74
S		1,753	CS2Z		013	061	176	76
S		1,766	CS2S		030	382	027	69
S		1,856	CS2S		060	222	016	79
S		1,926	CS2Z		010	100	012	72
S		1,974	CS2S		042	200	041	69
S		2,016	CS2S		031	233	322	71
S		2,083	CS2S		037	343	316	83
S		2,129	CS2S		068	522	933	72

DDH 9ØDY-Ø7

CURRAGH RESOURCES INC.
Structural Log

Date: Jan 27/91 Logged By: D. Hallwell

Code	From	To	Feature	Sym	L₃ Dip	L₃ 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		2192	PS2						84		
S		2273	CS2	Z		Ø2Ø	12	Ø38	8Ø		
S		2283	CS2	S		Ø46	32	Ø4Ø	76		
S		2372	PS2						79		
S		2413	CS2	Z		Ø78	19	Ø67	74		
S		25Ø2	CS2	S		Ø41	41	Ø32	8Ø		
S		2544	CS2	S		Ø36	59	Ø23	69		
S		2682	CS2	S		Ø32	43	Ø66	85		
S		2643	CS2	Z		Ø58	37	Ø77	79		
S		27ØØ	PS2						88		
S		278Ø	CS2	Z		Ø26	3Ø	Ø67	74		
S		284Ø	CS2	S		Ø71	48	Ø23	69		
S		2853	CS2	S		155	24	Ø23	8Ø		
S		2951	PS2						88		
S		3ØØ3	CS2	S		Ø41	47	Ø25	77		
S		3Ø23	CS2	Z		164	2Ø	2Ø5	69		
S		3Ø9[illegible]	CS2	S		Ø27	Ø9	Ø2Ø	65		
S		3145	CS2	S		Ø49	2Ø	323	58		
S		323[illegible]	PS2						84		
S		327[illegible]	CS2	S		Ø28	44	242	78		
S		3337	CS2	Z		Ø2Ø	17	292	73		
S		3378	CS2	S		Ø38	21	Ø2Ø	81		
S		342Ø	CS2	Z		Ø37	57	245	8Ø		
S		3492	PS2						82		
S		355[illegible]	PS2						83		
S		361[illegible]	CS2	S		Ø6Ø	28	Ø49	79		
S		3645	CS2	Z		Ø52	34	Ø73	84		
S		375Ø	CS2	S		161	57	Ø17	72		

CONTINUED ON NEXT PAGE

DDH 90 DY-07

CURRAGH RESOURCES INC.
Structural Log

UPPER DIRK

Date: Logged By: JZ

Code	From	To	Feature	Sym	L2 Dip	L2 Direct.	S1 Dip	S1 Direct.	S2 Dip	S2 Direct	Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
		377.0	PS2						67		
		381.5	PS2						75		
		389.2	PS2						76		PS_2 // banding
		393.6	PS2						78		PS_2 // banding
		399.3	PS2						78		
		407.0	PS2						76		
		411.4	PS2						86		
		418.3	PS2						80		

↓ LOWER DIRK ↓

Code	From	To	Feature	Sym	L2 Dip	L2 Direct.	S1 Dip	S1 Direct.	S2 Dip	S2 Direct	Description
		580.7	CS2	S		081	16	296	69		
		587.9	PS2						55		
		593.7	PS2						62		// banding in 4A4
		599.8	CS2	S			25	312	80		CS_2 in banded 4A4
		603.2	PS2						58		// banding in 4A44

CONTINUED ON NEXT PAGE

DDH 90DY-07

CURRAGH RESOURCES INC.

Structural Log

Date: Jan [illegible]/91 Logged By: D. Halliwell

Code	From	To	Feature	Sym	Lg Dip	Lg Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
S		4216	CS2	S		022	32	012	77		
S		4301	CS2	Z		035	35	297	70		
S		4347	CS2	S		061	41	039	83		
S		4399	CS2	Z		086	15	084	89		
S		4443	CS2	S		087	25	075	83		
S		4511	CS2	Z		060	24	050	83		
S		4553	CS2	Z		090	59	057	85		
S		4614	CS2	S		060	38	042	85		
S		4668	CS2	S		067	29	330	80		
S		4723	CS2	Z		045	38	177	84		
S		4782	CS2	S		160	25	336	81		
S		4822	CS2	Z		088	05	079	80		
S		4883	CS2	S		167	32	000	67		
S		4928	CS2	S		054	36	293	80		
S		5084	CS2	S		070	22	276	82		
S		5101	CS2	Z		162	47	144	84		
S		5112	CS2	Z		172	12	009	84		
S		5168	CS2	S		071	27	272	80		
S		5235	CS2	S		128	33	305	79		
S		5287	CS2	S		030	29	000	74		
S		5376	CS2	S		064	25	085	70		
S		5408	CS2	S		093	16	340	73		
S		5477	CS2	S		118	33	320	76		
S		5512	CS2	Z		141	57	318	65		
S		5580	CS2	S		134	21	303	72		
S		5667	CS2	S		123	26	317	59		
S		5709	CS2	S		108	50	346	67		
S		5789	CS2	S		079	30	076	71		
S		5807	CS2	S		081	16	296	69		
S		5879	PS2						55		
S		5937	PS2						62		∥ banding in 4A4
S		5998	CS2	S			25	312	80		CS_2 in banded 4A4
S		6032	PS2						58		∥ banding in 4A44
S		6074	PS2						81		
S		6162	PS2						50		
S		6216	PS2						67		

DDH 90DY-07 CURRAGH RESOURCES INC. Page 96 of _____

Structural Log Date: Feb. 2/91 Logged By: D. Hallimall

Code	From	To	Feature	sym	L_3 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		624.5	CS2	S	42	223 20	81	
S		637.3	CS2	S	28	65 813	67	
S		638.7	PS2				66	
S		647.8	PS2				56	
S		651.7	PS2				60	
S		657.3	PS2				60	
S		662.5	PS2				70	
S		668.2	PS2				62	
S		675.0	PS2				77	
S		680.7	PS2				87	
S		683.7	PS2				85	

DDH 90DY-07 (2 8) CURRAGH RESOURCES INC. Page 97 of _____

Fault Log

Date: Jan 26/91 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 36	40 44	
F	00	85	4B					Overburden
F	95	99	3B					Overburden
F	131	133	1B		50		90	Broken core, limonitized.
F	191	193	1B		85		86	Broken core, limonitized.
F	238	243	2B		53		80	Broken core.
F	467	473	2BG		58		88	Broken core, Clayey gouge
F	520	524	2B		60		87	Broken core.
F	579	585	2B		65		65	Broken core.
F	643	645	2G		87		65	Clayey-carbonaceous gouge
F	809	811	1B		80		66	Broken core
F	968	974	2BG		82		88	Clayey gouge
F	1050	1055	1BG		27		78	Clayey gouge
F	1355	1365	3B		82		84	Broken core, Friable.
F	1379	1385	2B		86		62	Broken core, Friable.
F	1455	1457	1B		72		76	Broken core, Friable, limonitized.
F	1460	1465	2BG		72		55	Broken friable core, Some clayey gouge
F	1483	1487	1B		80		83	Broken friable core.
F	1512	1522	3B		90			Broken friable core
F	1526	1533	2B		85		75	Broken friable core
F	1570	1576	2B		83		83	Broken friable core
F	1596	1603	2B		80		85	Broken blocky core
F	1764	1767	1B		90		87	Broken blocky to friable core
F	1999	2002	1B		63		67	Broken blocky core
F	2168	2182	4B		90		90	Broken blocky to friable core
F	2224	2233	1B		66		72	Broken blocky core.
F	2300	2306	1B		62		72	Broken blocky core, Some clayey g
F	2308	2315	1B		82		82	Broken blocky core.
F	2330	2355	4BG		90	75	84	Clayey gouge at 2350. Friable.
F	2379	2389	3B		68		87	Blocky broken core
F	2422	2429	1B		80		63	Blocky broken core
F	2458	2463	1B		67		67	Blocky broken core
F	2747	2750	1B		53		65	Blocky to friable broken core
F	2900	2904	2G		72		73	Clayey gouge.
F	2904	2920	2B		83		86	Blocky broken core
F	3113	3126	3B		75		90	Blocky broken core.
F	3353	3366	2B		81		80	Blocky broken core.

DDH 90DDL-07 — UPPER ZONE

CURRAGH RESOURCES INC.

Fault Log

Date: Logged By:

Code	FROM	TO (At)	Feature	REC.	UPPER Dip	UPPER Direct	INTERNAL Dip	INTERNAL Direct.	LOWER Dip	LOWER Direct	Description
1	10	16	22	26	28	32	34	38	40	44	
					—	—	—	—	—	—	UNLOGGED —
	379.7	380.4			28	—	68	—	19	—	Well healed shear fabric with diagnostic SAX texture - odd stratigraphic location - no orientation [illegible] S2 possible
	380.4	381.8			25		10		39		moderately well healed shear locally very soft. No orientation relative S2 possible Weak linear fabric: 030° within shear plane
	381.8	387.4			19	291	15	154	22	060	Sporadic crushed and gouge zones 1.0 - 30cm. Generally strongly broken. Mod slicken side
	387.4	393.6			—	—	21	292	15	917	Open fractures and slip planes are very common and oriented subparallel core axis. Dips are variable
	397.9	405.7			—	—	—	—	—	—	Common breaks along S2 - strongly broken. rare crushed (≤ 3.0cm)
	415.1	417.3			—	—	—	—	—	—	strongly broken, commonly // S2
	420.0	420.2			—	—	27	139	—	—	crushed and gouged

DDH 90DY-07 (2 / 8) CURRAGH RESOURCES INC. Page 99 of _____

Fault Log

Date: Jan. 28/91 Logged By: D. Hallivell

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	435.6	435.9	2GB		300 058			Clay-chloritic fault gouge (435.65) underlain by blocky core. Fault plane is at CA 60°. (upper contact), CA 31° (fault gouge just below upper contact), CA 82° (lower contact)
F	446.3	446.5	1B					Blocky core. No gouge. Upper contact at CA 87°. Lower contact at CA 28°
F	449.1	449.6	2B					Blocky core. No gouge. Upper & lower contacts at CA 87°
F	471.6	472.1	1B					Blocky core. No gouge. Upper contact at CA 36°. Lower contact at CA 88°.
F	520.5	520.9	1B					Pyrite with sphalerite selvage in quartz (CA 88°) bordered concordant vein within blocky interval.
F	526.0	526.8	2B					Blocky to friable zone. No gouge. Contacts both at CA 80°.
F	531.8	532.0	1B					Blocky zone. No gouge. Contacts both at CA 80°-85°.
F	536.8	636.9	2GB					White clayey gouge. Friable zone. Upper, lower contact at CA 66°, CA 69°, respectively.
F	543.5	544.9	2B					Friable zone. No gouge. Upper contact at CA 85°. Lower contact at CA 80°.
F	564.2	565.3						Blocky to friable graphitic zone. Upper, lower contacts at CA 85°, CA 35°, respectively.

DDH 90DY-07 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Feb 3/91 Logged By: D. Hallimond

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	5644	5647						Locally brecciated C-fractures at CA 24°. S-fractures at CA 57°. Synthetic minor structures to major structure. Too much potential for ~~rotated~~ breccia clasts and ~~variable~~ S_2 for measurements relative S_2. Clay-graphite fault gouge at lower contact, ≤0.05m wide.
								CONTINUED ON NEXT PAGE

DDH 90DY-07 CURRAGH RESOURCES INC. Page 101 of ____

Lower ore

Fault Log

Date: Dec '90 Logged By: J. Zb...

Code	FROM	TO (At)	Feature	REC	UPPER Dip	UPPER Direct	INTERNAL Dip	INTERNAL Direct.	LOWER Dip	LOWER Direct	Description
	584.2	584.6							37	025	Crushed rock & gouge
	592.9	592.9			45	317					Strongly broken, minor crushed rock and gouge

CONTINUED ON NEXT PAGE

DDH 90DY-07 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Feb 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 36	40 44	
F	606.7	608.0	1,B					Blocky zone, No gouge. Upper, lower contacts at CA 89°; CA 50°; respectively.
F	606.6	613.6	3B					Blocky to friable zone. No gouge. Upper, lower contacts at CA 72°; CA 75°; respectively
F	627.1	627.8	1,B					Blocky zone, No gouge. Upper, lower contacts at CA 83°; CA 75° respectively.
F	637.4	637.9	1,BG					Blocky zone. No gouge. Upper, lower contacts at CA 68°, 45°; respectively. Graphitic gouge at lower contact
F	638.2	638.2	2G			ØØ		Graphitic gouge at 638.Ø at CA 50°. 0.5cm thick. Approx. Ø° to S_2 (parallel S_2)
F	641.9	643.4	2B					Blocky zone. No gouge.
F	644.0	646.7	4,BG				36	Blocky to friable zone with graphitic gouge (1-3% graphite, overall) at lower contact at CA 30° (S_2 at CA 66°.
F	650.9	651.6	1,B					Blocky zone. No gouge
								687.7m = EOH

DDH 90DY-07 CURRAGH RESOURCES INC. Page 103 of ____

Logged by J. [illegible]

ASSAY LOG (SAMPLER'S COPY)

Date Dec '90 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	9.0	381.					WASTE
	381.	383.	65139	1.			
	383.	384.	65140	1.			
	384.	385.	65141	0.			
	385.	387.	65142	2.			
	387.	388.	65143	1.			
	388.	390.	65144	1.			
	390.	391.	65145	1.			
	391.	393.	65146	1.			
	393.	394.	65147	1.			
	394.	396.	65148	1.			
	396.	398.	65149	1.			
	398.	400.	65150	2.			
	400.	401.	65151	1.			
	401.	402.	65152	1.			
	402.	403.	65153	1.			
	403.	405.	65154	1.			
	405.	407.	65155	1.			
	407.	408.	65156	1.			
	408.	409.	65157	1.			
	409.	410.	65158	0.			
	410.	410.	65159	0.			
	410.	413.	65160	2.			
	413.	414.	65161	1.			
	414.	416.	65162	2.			
	416.	417.	65163	0.			
	417.	418.	65164	1.			
	418.	419.	65165	0.			
							WASTE
	587.	587.	65166	0.5			
	587.	589.	65167	1.1			
	589.	590.	65168	1.7			
	590.	592.	65169	1.			
	592.	594.	65170	1.			
	594.	595.	65171	1.			
	595.	596.	65172	1.			

DOH 90DY-07 CURRAGH RESOURCES INC.

Logged by J. Zbrodnoff

ASSAY LOG (SAMPLER'S COPY) Date Dec '90 Sampled by J. Zbrodnoff

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	596.0	596.5	651173	0.			
	596.5	597.	651174	0.			
	597.	598.	651175	1.			
	598.	599.	651176	1.			
	599.	601.	651177	1.			
	601.	603.	651178	1.			
	603.	603.	651179	0.			
							WASTE TO EOH

ROSSBACHER LABORATORY LTD.

2225 G. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N3
Ph: (604)298-6910 Fax:298-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LABORATORY LTD.
105 COPPER ROAD
WHITEHORSE, Y.T.
PROJECT : 13087
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : WO#13087
INVOICE # : 20218
DATE ENTERED : 91-04-05
FILE NAME : NAL91069
PAGE # : 1

PRE FIX	SAMPLE NAME	% Ba	% BaSO4
"	64157	0.08	0.14
P	64163	0.16	0.27

CERTIFIED BY : J. Rossbach

Northern Analytical Laboratories ltd.

October 19,1990

Work Order # 08471

Curragh Resources Inc.
P.O. Box 1000
Faro, Yukon
Y0B 1K0

File # 08471a

MPR # 21088

Assay Certificate for Samples Provided

Sample	g/t Au	g/t Ag	% Pb	% Zn	% Fe	SG
65101	0.35	29.6	2.00	5.42	14.40	4.25
65102	0.11	11.2	0.61	3.32	28.04	3.65
65103	0.02	<0.1	0.04	0.11	3.27	2.91
65104	0.46	35.0	2.33	8.87	14.89	4.09
65105	0.45	39.4	2.76	9.21	15.01	4.19
65106	0.46	32.3	3.15	7.30	12.11	4.33
65107	0.35	87.4	5.46	18.30	12.00	4.11
65108	1.21	6.4	0.54	1.29	9.17	2.79
65109	0.17	13.2	1.00	1.64	7.87	2.69
65110	0.08	<0.1	0.02	0.04	4.83	2.76
65111	0.39	18.7	1.20	0.12	14.15	3.11
65112	0.77	73.4	8.86	12.20	18.28	3.98
65113	0.54	55.3	4.67	5.03	15.11	3.27
65114	0.72	87.5	7.27	6.06	24.76	4.18
65115	0.78	169.9	10.20	21.40	14.72	4.25

Applied Science Technologists and Technicians of British Columbia
6992
GERALD F. HAYES
A.Sc.T.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LABORATORY LTD.
105 COPPER ROAD
WHITEHORSE, Y.T.

PROJECT : WO#08471
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : 90543
INVOICE # : 20071
DATE ENTERED : 90-10-26
FILE NAME : NAL90543
PAGE # : 1

PRE FIX	SAMPLE NAME	% Ba	% Ba SO4
P	65101	21.90	37.21
P	65102	11.60	19.71
P	65103	2.22	3.77
P	65104	17.00	28.88
P	65105	13.80	23.45
P	65106	22.60	38.40
P	65107	10.70	18.18
P	65108	1.04	1.77
P	65109	0.85	1.44
P	65110	0.50	0.85
P	65111	0.75	1.27
P	65112	0.20	0.34
P	65113	0.42	0.71
P	65114	0.09	0.15
P	65115	0.14	0.24

CERTIFIED BY : C. Rossbach

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LABORATORY LTD.
105 COPPER ROAD
WHITEHORSE, Y.T.
PROJECT : NA
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : WO# 13051
INVOICE # : 20178
DATE ENTERED : 91-02-07
FILE NAME : NAL90124
PAGE # : 1

PRE FIX	SAMPLE NAME	% Ba	% BaSO4
P	65212	0.13	0.22
P	65213	0.09	0.15
P	65214	8.2%	14.03
P	65215	0.24	0.56
P	65216	0.39	0.65
P	65217	0.37	0.63
P	65218	0.34	0.57
P	65219	0.55	0.92
P	65220	0.27	0.45
P	65221	0.34	0.58
P	65222	0.67	1.14
P	65223	0.31	0.54
P	65224	0.54	0.89
P	65225	0.19	0.31
P	65226	0.2	0.41
P	65227	0.1	0.19

CERTIFIED BY : J. Rossbacher

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LABORATORY LTD.
[illegible] UPPER ROAD
WHITEHORSE, Y.T.
PROJECT : NA
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : WO#13050
INVOICE # : 20178
DATE ENTERED : 91-02-07
FILE NAME : NAL91023
PAGE # : 1

PRE FIX	SAMPLE NAME	% Ba	% BaSO4
P	65166	0.11	0.19
P	65167	0.30	0.51
P	65168	0.15	0.25
P	65169	0.29	0.49
P	65170	0.31	0.53
P	65171	0.26	0.44
P	65172	0.23	0.39
P	65173	0.16	0.27
P	65174	0.30	0.51
P	65175	0.09	0.15
P	65176	0.09	0.15
P	65177	0.29	0.49
P	65178	0.36	0.61
P	65179	0.25	0.42
P	65180	2.82	4.79
P	65181	18.10	30.75
P	65182	19.60	33.30
P	65183	24.80	42.14
P	65184	28.40	48.25
P	65185	7.22	12.27
P	65186	22.00	37.38
P	65187	0.72	1.22
P	65188	0.23	0.39
P	65189	20.00	33.98
P	65190	7.60	12.91
P	65191	16.90	28.71
P	65192	24.00	40.78
P	65193	5.06	8.60
P	65194	0.53	0.90
P	65195	0.89	1.51
P	65196	2.24	3.81
P	65197	2.20	3.74
P	65198	0.53	0.90
P	65199	4.10	6.97
P	65200	0.54	0.92
P	65701	6.90	11.72
P	65702	3.32	5.64
P	65703	1.14	1.94
P	65704	1.24	2.11
P	65705	0.27	0.46

CERTIFIED BY : [signature]

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LABORATORY LTD.
1-76 COPPER ROAD
WHITEHORSE, Y.T.
PROJECT : NA
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : WO#13050
INVOICE # : 20178
DATE ENTERED : 91-02-07
FILE NAME : NAL91023
PAGE # : 2

PREFIX	SAMPLE NAME	% Ba	% BaSO4
P	65206	0.13	0.22
P	65207	0.11	0.19
P	65208	0.12	0.20
P	65209	0.16	0.27
P	65210	0.19	0.32
P	65211	0.16	0.27

CERTIFIED BY : M. Rossbacher

DDH 90DY-07 CURRAGH RESOURCES INC.

Page A of

Logged by J. Blackwell

ASSAY LOG (SAMPLER'S COPY) Date Dec '90 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	9.10	381.8					WASTE
	381.8	383.4	651139	1.6			
	383.4	384.7	651140	1.3			
	384.7	385.7	651141	1.0			
	385.7	387.9	651142	2.2			
	387.9	388.9	651143	1.0			
	388.9	390.3	651144	1.4			
	390.3	391.8	651145	1.5			
	391.8	393.4	651146	1.6			
	393.4	394.9	651147	1.5			
	394.9	396.7	651148	1.8			
	396.7	398.2	651149	1.5			
	398.2	APD.	651150	2.3			
	APD.	401.7	651151	1.5			
	401.7	402.9	651152	1.2			
	402.9	403.9	651153	1.0			
	403.9	405.4	651154	1.5			
	405.4	407.0	651155	1.6			
	407.0	408.5	651156	1.5			
	408.5	409.7	651157	1.2			
	409.7	410.8	651158	1.1			
	410.8	411.9	651159	1.1			
	411.9	413.9	651160	2.0			
	413.9	414.9	651161	1.0			
	414.9	416.7	651162	1.8			
	416.7	417.8	651163	1.1			
	417.8	418.9	651164	1.1			
	418.9	419.9	651165	1.0			
							WASTE
	587.9	587.9	651166				
	587.9	589.0					
	589.0	590.7					
	590.7	592.4					
	592.4	594.2					
	594.2	595.5					
	595.5	596.0					

Logged / photo'd / Split and shipped for analyses. Should receive Results before Christmas

Logged / photo'd Split! NOT

Cont'd

Northern Analytical Laboratories ltd.

December 20,1990

Work Order # 13041

Curragh Resources Inc.
117 Industrial Road.
Whitehorse, Yukon
Y1A 2T8

File # 13041a

MPR # 49002

Assay Certificate

Sample	g/t Au	g/t Ag	%Pb	%Zn	%Fe	SG
65139	<0.01	0.1	0.07	0.01	3.54	2.76
65140	<0.01	<0.1	0.01	<0.01	3.85	2.79
65141	0.01	<0.1	0.06	0.08	8.47	2.76
65142	0.02	<0.1	0.01	<0.01	4.91	2.84
65143	0.19	10.1	0.76	0.89	13.90	3.08
65144	0.30	12.9	0.33	0.08	15.09	3.58
65145	0.53	11.4	0.32	0.18	31.37	4.04
65146	0.41	9.9	0.03	<0.01	30.81	3.83
65147	0.25	5.7	0.07	0.06	22.72	3.41
65148	0.22	6.0	0.14	0.03	21.29	3.24
65149	0.19	12.1	0.87	0.19	16.80	4.05
65150	0.16	7.3	0.46	0.18	15.40	3.21
65151	0.81	9.2	0.16	0.07	23.02	3.44
65152	0.38	8.5	0.17	0.06	18.22	3.15
65153	0.18	6.5	0.14	0.02	17.60	3.06
65154	0.06	2.7	0.06	<0.01	9.39	2.78
65155	0.30	6.3	0.18	0.04	19.59	3.16
65156	0.13	4.4	0.24	0.30	14.02	3.00
65157	0.14	0.7	0.07	0.02	8.70	2.76
65158	<0.01	<0.1	0.03	<0.01	4.37	2.78
65159	0.06	<0.1	0.03	0.02	3.47	2.67
65160	0.01	0.8	0.05	0.04	4.27	2.54
65161	<0.01	0.4	0.02	0.04	4.03	2.79
65162	0.02	0.1	<0.01	0.01	4.35	2.68
65163	<0.01	0.4	0.01	<0.01	3.95	2.74
65164	0.19	3.4	0.05	0.02	21.94	3.22
65165	0.01	1.8	0.03	<0.01	4.28	2.71

D1 07

Applied Science Technologists and Technicians of British Columbia
6992
GERALD F. HAYES
A.Sc.T.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

December 20,1990

Work Order # 13041

File # 13041a

MPR # 49002

Curragh Resources Inc.
117 Industrial Road.
Whitehorse, Yukon
Y1A 2T8

Assay Certificate

Sample	g/t Au	g/t Ag	%Pb	%Zn	%Fe	SG
65139	<0.01	0.1	0.07	0.01	3.54	2.76
65140	<0.01	<0.1	0.01	<0.01	3.85	2.79
65141	0.01	<0.1	0.06	0.08	8.47	2.76
65142	0.02	<0.1	0.01	<0.01	4.91	2.84
65143	0.19	10.1	0.76	0.89	13.90	3.08
65144	0.30	12.9	0.33	0.08	15.09	3.58
65145	0.53	11.4	0.32	0.18	31.37	4.04
65146	0.41	9.9	0.03	<0.01	30.81	3.83
65147	0.25	5.7	0.07	0.06	22.72	3.41
65148	0.22	6.0	0.14	0.03	21.29	3.24
65149	0.19	12.1	0.87	0.19	16.80	4.05
65150	0.16	7.3	0.46	0.18	15.40	3.21
65151	0.81	9.2	0.16	0.07	23.02	3.44
65152	0.38	8.5	0.17	0.06	18.22	3.15
65153	0.18	6.5	0.14	0.02	17.60	3.06
65154	0.06	2.7	0.06	<0.01	9.39	2.78
65155	0.30	6.3	0.18	0.04	19.59	3.16
65156	0.13	4.4	0.24	0.30	14.02	3.00
65157	0.14	0.7	0.07	0.02	8.70	2.76
65158	<0.01	<0.1	0.03	<0.01	4.37	2.78
65159	0.06	<0.1	0.03	0.02	3.47	2.67
65160	0.01	0.8	0.05	0.04	4.27	2.54
65161	<0.01	0.4	0.02	0.04	4.03	2.79
65162	0.02	0.1	<0.01	0.01	4.35	2.68
65163	<0.01	0.4	0.01	<0.01	3.95	2.74
65164	0.19	3.4	0.05	0.02	21.94	3.22
65165	0.01	1.8	0.03	<0.01	4.28	2.71

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Northern Analytical Laboratories ltd.

December 20,1990

Work Order # 13041

Curragh Resources Inc.
117 Industrial Road.
Whitehorse, Yukon
Y1A 2T8

File # 13041a

MPR # 49002

Assay Certificate

Sample	g/t Au	g/t Ag	%Pb	%Zn	%Fe	SG
65139	<0.01	0.1	0.07	0.01	3.54	2.76
65140	<0.01	<0.1	0.01	<0.01	3.85	2.79
65141	0.01	<0.1	0.06	0.08	8.47	2.76
65142	0.02	<0.1	0.01	<0.01	4.91	2.84
65143	0.19	10.1	0.76	0.89	13.90	3.08
65144	0.30	12.9	0.33	0.08	15.09	3.58
65145	0.53	11.4	0.32	0.18	31.37	4.04
65146	0.41	9.9	0.03	<0.01	30.81	3.83
65147	0.25	5.7	0.07	0.06	22.72	3.41
65148	0.22	6.0	0.14	0.03	21.29	3.24
65149	0.19	12.1	0.87	0.19	16.80	4.05
65150	0.16	7.3	0.46	0.18	15.40	3.21
65151	0.81	9.2	0.16	0.07	23.02	3.44
65152	0.38	8.5	0.17	0.06	18.22	3.15
65153	0.18	6.5	0.14	0.02	17.60	3.06
65154	0.06	2.7	0.06	<0.01	9.39	2.78
65155	0.30	6.3	0.18	0.04	19.59	3.16
65156	0.13	4.4	0.24	0.30	14.02	3.00
65157	0.14	0.7	0.07	0.02	8.70	2.76
65158	<0.01	<0.1	0.03	<0.01	4.37	2.78
65159	0.06	<0.1	0.03	0.02	3.47	2.67
65160	0.01	0.8	0.05	0.04	4.27	2.54
65161	<0.01	0.4	0.02	0.04	4.03	2.79
65162	0.02	0.1	<0.01	0.01	4.35	2.68
65163	<0.01	0.4	0.01	<0.01	3.95	2.74
65164	0.19	3.4	0.05	0.02	21.94	3.22
65165	0.01	1.8	0.03	<0.01	4.28	2.71

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HOLE-ID	FROM	TO	INT.	REC.	% REC	SAMPLE#	SG-WR	Pb+Zn	Pb	Zn
90Dy07	381.8	383.4	1.6	1.6	100	65139	2.76	0.08	0.07	0.01
90Dy07	383.4	384.7	1.3	1.3	100	65140	2.79	0.02	0.01	0.01
90Dy07	384.7	385.1	0.4	0.4	100	65141	2.76	0.14	0.06	0.08
90Dy07	385.1	387.2	2.1	2.1	100	65142	2.84	0.02	0.01	0.01
90Dy07	387.2	388.4	1.2	1.2	100	65143	3.08	1.65	0.76	0.89
90Dy07	388.4	390.1	1.7	1.7	100	65144	3.56	0.41	0.33	0.08
90Dy07	390.1	391.7	1.6	1.6	100	65145	4.04	0.5	0.32	0.18
90Dy07	391.7	393.4	1.7	1.7	100	65146	3.83	0.04	0.03	0.01
90Dy07	393.4	394.9	1.5	1.5	100	65147	3.41	0.13	0.07	0.06
90Dy07	394.9	396.6	1.7	1.7	100	65148	3.24	0.17	0.14	0.03
90Dy07	396.6	398.6	2.0	2.0	100	65149	4.05	1.06	0.87	0.19
90Dy07	398.6	400.6	2.0	2.0	100	65150	3.21	0.58	0.48	0.10
90Dy07	400.6	401.6	1.0	1.0	100	65151	3.44	0.23	0.16	0.07
90Dy07	401.6	402.8	1.2	1.2	100	65152	3.15	0.23	0.17	0.06
90Dy07	402.8	403.9	1.1	1.1	100	65153	3.06	0.16	0.14	0.02
90Dy07	403.9	405.7	1.8	1.8	100	65154	2.73	0.07	0.06	0.01
90Dy07	405.7	407.1	1.4	1.4	100	65155	3.16	0.22	0.18	0.04
90Dy07	407.1	408.1	1.0	1.0	100	65156	3	0.54	0.24	0.3
90Dy07	408.1	409.6	1.5	1.5	100	65157	2.76	0.09	0.07	0.02
90Dy07	409.6	410.0	0.4	0.4	100	65158	2.78	0.04	0.03	0.01
90Dy07	410.0	410.7	0.7	0.7	100	65159	2.67	0.05	0.03	0.02
90Dy07	410.7	413.0	2.3	2.3	100	65160	2.54	0.09	0.05	0.04
90Dy07	413.0	414.4	1.4	1.4	100	65161	2.79	0.06	0.02	0.04
90Dy07	414.4	416.6	2.2	2.2	100	65162	2.22	0.02	0.01	0.01
90Dy07	416.6	417.3	0.7	0.7	100	65163	2.74	0.02	0.01	0.01
90Dy07	417.3	418.4	1.1	1.1	100	65164	3.22	0.07	0.05	0.02
90Dy07	418.4	419.0	0.6	0.6	100	65165	2.71	0.04	0.03	0.01
WASTE										
90Dy07	587.4	587.9	0.5	0.5	100	65166		5.52	1.98	3.54
90Dy07	587.9	589.0	1.1	1.1	100	65167		0.02	0.01	0.01
90Dy07	589.0	590.7	1.7	1.7	100	65168		5.81	2.19	3.62
90Dy07	590.7	592.4	1.7	1.7	100	65169		6.09	1.94	4.15
90Dy07	592.4	594.2	1.8	1.8	100	65170		0.23	0.07	0.16
90Dy07	594.2	595.5	1.3	1.3	100	65171		2.04	0.68	1.36
90Dy07	595.5	596.0	0.5	0.5	100	65172		3.3	1.39	1.91
90Dy07	596.0	596.5	0.5	0.5	100	65173		13.27	5.19	8.08
90Dy07	596.5	597.2	0.7	0.7	100	65174		0.44	0.11	0.33
90Dy07	597.2	598.2	1.0	1.0	100	65175		15.12	9.25	5.87
90Dy07	598.2	599.8	1.6	1.6	100	65176		7.01	3.11	3.9
90Dy07	599.8	601.7	1.9	1.9	100	65177		0.99	0.45	0.54
90Dy07	601.7	603.0	1.3	1.3	100	65178		0.02	0.01	0.01
90Dy07	603.0	603.9	0.9	0.9	100	65179		12.77	5.41	7.36

11.1m @ 2.05; 14.2m @ 5.42; 3.6m @ 1.31; 4.1m @ 3.79; 5.95%/3.4m; 8.76%/3.8m

TABLE 3. Preliminary results for 90Dy-07, Decline drill program.

Northern Analytical Laboratories ltd.

January 31,1991

Work Order # 13050

Curragh Resources Inc.
117 Industrial Road.
Whitehorse, Yukon
Y1A 2T8

File # 13050a

MPR # 33601

Assay Certificate

Sample	g/t Au	g/t Ag	%Pb	%Zn	%Fe	SG
65166	0.03	10.4	1.98	3.54	3.51	2.43
65167	<0.01	2.2	<0.01	0.01	4.44	2.72
65168	0.11	29.4	2.19	3.62	3.45	3.19
65169	0.05	19.6	1.94	4.15	3.90	2.67
65170	<0.01	3.1	0.07	0.16	5.36	2.59
65171	<0.01	6.5	0.66	1.38	6.43	2.75
65172	0.08	10.6	1.39	1.91	3.59	2.57
65173	0.11	70.6	5.19	8.08	6.98	2.99
65174	0.03	7.9	0.11	0.33	4.43	2.58
65175	0.59	97.9	6.25	8.87	5.85	2.97
65176	0.51	45.9	3.11	3.90	7.15	3.01
65177	0.08	7.2	0.45	0.54	7.20	2.79
65178	0.07	<0.1	<0.01	<0.01	5.23	2.74
65179	0.22	86.7	5.41	7.36	14.50	3.56
65180	0.08	1.1	<0.01	0.05	3.42	2.47
65181	0.17	19.9	1.50	3.57	13.91	3.71
65182	0.14	29.5	0.79	2.06	5.45	4.09
65183	0.16	18.4	1.83	3.60	12.37	4.30
65184	0.11	39.0	0.98	3.18	10.99	4.16
65185	0.05	0.7	<0.01	0.04	5.24	2.84
65186	0.12	56.3	3.61	6.15	11.20	4.34
65187	0.78	108.7	6.60	18.40	17.51	4.48
65188	0.61	89.2	4.38	11.90	20.86	4.47
65189	0.18	79.6	4.89	8.12	12.09	4.35
65190	<0.01	3.0	0.18	0.44	7.63	3.05
65191	0.09	16.3	1.56	3.78	23.84	4.16
65192	0.13	10.2	0.64	1.76	14.82	4.31
65193	0.85	109.7	6.53	16.10	15.28	4.50
65194	0.51	69.2	5.30	7.09	10.69	3.48
65195	0.25	4.1	0.16	0.18	6.07	2.90

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Northern Analytical Laboratories ltd.

January 31,1991

Work Order # 13050

Curragh Resources Inc.
117 Industrial Road.
Whitehorse, Yukon
Y1A 2T8

File # 13050b

P.O. # 33601

Assay Certificate

Sample	g/t Au	g/t Ag	%Pb	%Zn	%Fe	SG
65196	0.49	29.5	1.87	4.01	14.08	3.49
65197	0.02	3.7	0.14	0.30	4.73	2.95
65198	0.50	19.2	1.93	2.12	11.94	2.96
65199	<0.01	1.5	<0.01	0.03	4.30	2.88
65200	0.31	88.9	3.81	4.66	38.92	4.15
65201	<0.01	5.0	0.20	0.58	7.31	3.06
65202	<0.01	0.9	<0.01	0.02	4.14	2.87
65203	1.07	111.5	6.56	9.16	13.57	3.72
65204	<0.01	1.3	<0.01	0.05	4.23	2.82
65205	<0.01	2.4	0.16	0.25	9.11	2.88
65206	<0.01	2.0	0.13	0.25	6.83	2.77
65207	<0.01	0.6	<0.01	0.03	6.55	2.81
65208	<0.01	3.5	0.23	0.26	8.90	2.89
65209	0.03	1.5	0.07	0.11	6.03	2.88
65210	0.01	1.8	0.20	0.16	5.56	2.86
65211	<0.01	0.5	<0.01	0.02	5.81	2.84

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Northern Analytical Laboratories ltd.

January 31,1991

Work Order # 13050

Curragh Resources Inc.
117 Industrial Road.
Whitehorse, Yukon
Y1A 2T8

File # 13050a

MPR # 33601

Assay Certificate

Sample	g/t Au	g/t Ag	%Pb	%Zn	%Fe	SG
65166	0.03	10.4	1.98	3.54	3.51	2.43
65167	<0.01	2.2	<0.01	0.01	4.44	2.72
65168	0.11	29.4	2.19	3.62	3.45	3.19
65169	0.05	19.6	1.94	4.15	3.90	2.67
65170	<0.01	3.1	0.07	0.16	5.36	2.59
65171	<0.01	6.5	0.66	1.38	6.43	2.75
65172	0.08	10.6	1.39	1.91	3.59	2.57
65173	0.11	70.6	5.19	8.08	6.98	2.99
65174	0.03	7.9	0.11	0.33	4.43	2.58
65175	0.59	97.9	6.25	8.87	5.85	2.97
65176	0.51	45.9	3.11	3.90	7.15	3.01
65177	0.08	7.2	0.45	0.54	7.20	2.79
65178	0.07	<0.1	<0.01	<0.01	5.23	2.74
65179	0.22	86.7	5.41	7.36	14.50	3.56
65180	0.08	1.1	<0.01	0.05	3.42	2.47
65181	0.17	19.9	1.50	3.57	13.91	3.71
65182	0.14	29.5	0.79	2.06	5.45	4.09
65183	0.16	18.4	1.83	3.60	12.37	4.30
65184	0.11	39.0	0.98	3.18	10.99	4.16
65185	0.05	0.7	<0.01	0.04	5.24	2.84
65186	0.12	56.3	3.61	6.15	11.20	4.34
65187	0.78	108.7	6.60	18.40	17.51	4.48
65188	0.61	89.2	4.38	11.90	20.86	4.47
65189	0.18	79.6	4.89	8.12	12.09	4.35
65190	<0.01	3.0	0.18	0.44	7.63	3.05
65191	0.09	16.3	1.56	3.78	23.84	4.16
65192	0.13	10.2	0.64	1.76	14.82	4.31
65193	0.85	109.7	6.53	16.10	15.28	4.50
65194	0.51	69.2	5.30	7.09	10.69	3.48
65195	0.25	4.1	0.16	0.18	6.07	2.90

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Northern Analytical Laboratories ltd.

January 31,1991

Work Order # 13050

Curragh Resources Inc.
117 Industrial Road.
Whitehorse, Yukon
Y1A 2T8

File # 13050b

P.O. # 33601

Assay Certificate

Sample	g/t Au	g/t Ag	%Pb	%Zn	%Fe	SG
65196	0.49	29.5	1.87	4.01	14.08	3.49
65197	0.02	3.7	0.14	0.30	4.73	2.95
65198	0.50	19.2	1.93	2.12	11.94	2.96
65199	<0.01	1.5	<0.01	0.03	4.30	2.88
65200	0.31	88.9	3.81	4.66	38.92	4.15
65201	<0.01	5.0	0.20	0.58	7.31	3.06
65202	<0.01	0.9	<0.01	0.02	4.14	2.87
65203	1.07	111.5	6.56	9.16	13.57	3.72
65204	<0.01	1.3	<0.01	0.05	4.23	2.82
65205	<0.01	2.4	0.16	0.25	9.11	2.88
65206	<0.01	2.0	0.13	0.25	6.83	2.77
65207	<0.01	0.6	<0.01	0.03	6.55	2.81
65208	<0.01	3.5	0.23	0.26	8.90	2.89
65209	0.03	1.5	0.07	0.11	6.03	2.88
65210	0.01	1.8	0.20	0.16	5.56	2.86
65211	<0.01	0.5	<0.01	0.02	5.81	2.84

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