DY

015017

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Mar. 1/91

Hole Number: 91DY-Ø1

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: C ZONE

Claim: ____

Terr.Plane Co-ords.: 9ØØ594.5Ø N

597466.ØØ E

Grid Co-ords: ____

Elevation: 1Ø93.2Øm

All symmetry determinations looking

Total Depth: 644.Øm.

____ with ____ dipping

Inclination: VERTICAL AT COLLAR

____ with dip azimuth ____.

Purpose: TO DRILL TEST C ZONE

Reason hole Terminated: DRILLING PROBLEMS

Logged by: D.R. Halliwell

Date(s) Logged: Mar 1/91

Drilling Contractor: Coren Diamond Drilling

Hole Cemented: ____ Steel down Hole: ____

Assay Lab: N.A.L.

Certificate No's: ____

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

Collar Cased and Capped: ____

Started: ____ Completed: ____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 91DY-01 (2 / 8)

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

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.
	2 8	10 16	17 24	25 32	34 39	41 42
T	91DY-01	1093.20	9005945.5	597466.0	METRES	SS2

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

DDH 91VY-01

CURRAGH RESOURCES INC.

Lithologic Log

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

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

DDH 92-44-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar. 1/92 Logged By: D. Halliwell

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

DDH 91-01-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

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

DDH 91-UY-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good core recovery. Fair RQD. Blocky core at 21.55-21.6, 22.7-22.9. Sharp upper contact at CA 80°. Sharp lower contact at CA 70°.
L	2.29	2.54		009	5FØ	→5C8 (5FØ→5DØ: 100#) 5Ø:4Ø:1Ø Olive green-grey weakly chloritic phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Weak relict igneous texture, with white f.g. anhedral (leucocene?) and black f.g. subhedral (amphiboles, pyroxenes?) phenocrysts. Moderately calcareous. PS_2 foliated. Olive-grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery, RQD. Some ochre (limonite) S_2 fracture surfaces (surface oxidation). Sharp upper, lower contacts at CA 70°. Blocky to rubbly core at 25.3-25.4. Olive green chloritic phyllite with 10% off-white quartz-calcite laminae, beds following $S_1, S_2/S_2$ at 23.4-24.4 are moderately calcareous, CS_2 foliated, moderately soft and have sharp contacts parallel S_2. White-grey quartz-calcite concordant band (bed? vein?) at 22.9-23.1 are very calcareous, hard, and have sharp contacts with 5FØ→5C8, 5FØ→5DØ.
L	2.54	27Ø		01Ø	5FØ	→5BØ (100#) 9Ø:1Ø Olive grey slightly chloritic phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive, ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Good to fair RQD. Blocky core at 25.5-25.8, 26.8-27.Ø. Gradational upper contact parallel S_2. Sharp lower contact at CA 8Ø°. White-grey quartz-calcite concordant bands (beds? veins?) at 26.2-26.3, 26.7-26.8 are very calcareous, hard, and have sharp contacts with 5FØ→5BØ.

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35 5C7
L	27Ø	298		Ø11	5C8 → 5C7	(5FØ: 1ØQ#: 5EØ) 5Ø: 4Ø: 1Ø: TRACE Light olive-grey v.f.g. aphanitic plagioclase-pyroxene metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. (amphibole?) phenocrysts within relict weakly porphyritic igneous texture. Pervasive chloritization. S_2 overprint as off-white quartz-calcite and olive green chlorite laminae, bands parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey (chloritic) and ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good core recovery. Blocky core at 28.9-29.1, 29.3-29.5. Sharp upper contact at CA8Ø°. Convolute sharp lower contact at CA1Ø°-9Ø° Olive grey weakly chloritic phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$ at 27.6-28.Ø, 28.8-29.3 are moderately calcareous, CS_2 foliated, moderately soft, have olive silvery grey S_2 fracture surfaces and have sharp contacts with 5C8→5C7. White-grey quartz-calcite concordant band (bed? vein?) at 29.3-29.8 sub-parallelling S_2 are very calcareous, hard, and have sharp contacts with 5C8→5C7, 5EØ. Blue-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with other units
L	298	356		Ø12	5BØ2	(1ØQ#: 5EØ) 68: 3Ø: Ø2 Dark grey slightly carbonaceous phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$ and quartz-calcite veinlets cross-cutting S_1, S_2 at CAØ°-3Ø°. Moderately calcareous. PS_2 and CS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. No sulphides. Very good core recovery. Good RQD. Convolute sharp upper contact at CA6Ø°-9Ø°. Sharp lower contacts at CA7Ø°. Blocky core at 33.5-33.6.

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

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

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

DDH 91-ZY-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						carceous, moderately soft, and have fairly sharp contacts with 5BØ, 5BØ2. White-buff to ochre quartz-calcite ± limonite concordant bands (beds? veins?) sub-parallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5BØ,
L	40.7	42.7		ØØ15	5BØ2	BLOCKY TO RUBBLY.
						Dark to medium grey slightly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky core throughout. Rubbly core at 40.7, 40.9–41.2, 41.9–41.4, 42.6–42.7. Convolute sharp upper contact at CA30°–70°. Sharp lower contact at CA80°.
L	42.7	43.1		ØØ16	5BØ	
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Blocky core at 42.8. Sharp upper contact at CA80°. Fairly sharp lower contact parallel S_2.
L	43.1	43.7		ØØ17	5EØ	(5BØ) 6Ø:4Ø
						Blue-grey phyllitic marble (interbeds) Very calcareous. CS_2 and PS_2 foliated. Bluish grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along laminae, beds parallel S_2. Very good core recovery. Good RQD.

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CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Blocky core at 43.2. Fairly sharp upper/lower contacts parallel S_2. Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5E0.
L	43 7	50 7		018	5B0	(5B02:5E0) 70:25:05 Light to medium phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Late quartz-calcite veinlets cross-cutting S_1, S_2 at CA 0°-30°. Very good core recovery. Good RQD. Fairly sharp upper contact parallel S_2. Gradational lower contact parallel S_2. Darker more carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft to soft, and have gradational contacts with 5B0. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 3B0, 5B02.
L	50 7	51 2		019	10Q#	(5C8→5F0) 65:35 White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts at CA 70° (upper), CA 50° (lower). Olive grey chloritic metabasite (→phyllite) at 50.7-50.9 is moderately calcareous, massive to PS_2 foliated, moderately soft. Olive grey S_2 fracture surfaces. Relict porphyritic igneous texture with weak S_2 overprint (rare quartz-calcite laminae parallel S_2). Very good core recovery. Good RQD.

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	51 2	58 2		Ø2Ø	5BØ	→5EØ2 (5EØ:1ØØ#) 9Ø:Ø5:Ø5 Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Minor healed oligomict, clast-supported breccia at 54.7. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds at 53.3, 57.5 etc. are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ→5BØ2 parallel S_2. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 at 51.4, 51.6-51.7, 51.8-52.1 are very calcareous, hard, and have sharp contacts with 5BØ→5BØ2, 5EØ.
L	58 2	58 7		Ø21	5EØ	(5BØ) 55:45 Bluish-grey phyllitic marble with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Very calcareous. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper/lower contacts parallel S_2. Light to medium grey phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Gradational contacts with 5EØ.
L	58 7	72 8		Ø22	5BØ	(1ØØ#:5EØ) 88:1Ø:Ø2

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2 8

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_0, S_2/S_2. Moderately to strongly calcareous (locally, quickly etched by 10% HCl acid). Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Fair core recovery. (2.3 m. core loss at 66.1-68.7, Ø.2m core loss at 71.7-71.9. Fair to poor RQD. Blocky to rubbly core at 59.6-59.9, 62.5-63.Ø, 64.7-65.3, 65.7-65.9, 661.1-68.9, 71.5-72.Ø. Gradational upper contact parallel S_2. Sharp lower contact at CA 6Ø°.
						White-grey ± ochre bull quartz-calcite ± limonite concordant bands at 7Ø.8-71.1, 71.4-71.5, etc. are very calcareous, hard, and have sharp contacts with 5BØ, 5EØ.
						Bluish-grey phyllitic marble interbeds, interlaminae parallel S_2 are very calcareous, moderately soft, and have fairly sharp contacts parallel S_2.
L	728	732		Ø23	1ØØ#	
						White-grey ± ochre bull quartz-calcite-limonite concordant bands (beds? veins?) sub-parallelling S_2 are very calcareous, hard, massive-fractured, has white-ochre fracture surfaces, and have sharp upper (CA 6Ø°), lower (CA 5Ø°) contacts
L	732	755		Ø24	5BØ	BLOCKY TO RUBBLY.
						Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_1, S_2. Moderately calcareous. PS_2 to CS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core at 73.2-74.1, 74.5-75.1, 75.3-75.5. Gradational upper, lower contacts parallel S_2.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	75.5	84.6		Ø25	5BØ	(100#: 5EØ) 90:05:05
						Light to medium grey phyllite with 20% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_1, S_2$. Moderately calcareous. CS_2 to PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core at 77.4-78.Ø, 79.6-79.9, 82.Ø-82.1, 83.1-83.6. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ. Contain Mg-chlorite phyllitic xenoliths.
						Bluish-grey phyllitic marble interbeds throughout the unit are very calcareous, moderately soft, and have fairly sharp contacts with other units.
L	84.6	90Ø		Ø26	5BØ	(5EØ) 85:15 MARBLY BANDS
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone beds/laminae following $S_1, S_2/S_2$. Moderately calcareous. PS_2 and CS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Blocky to rubbly core at 87.4-87.5. Gradational upper, lower contacts parallel S_2.
						Bluish-grey phyllitic marble interbeds parallel S_2 are very calcareous, PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
L	90Ø	120Ø3		Ø27	5BØ	(5BØ2: 5EØ: 100#) 50:40:05:05

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CURRAGH RESOURCES INC.
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Date: Mar. 1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Blocky core at 110.5–110.8, 119.0–119.3. Gradational upper, lower contacts parallel S_2.
						Darker slightly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 & PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ.
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, CS_2 to PS_2 foliated, and have fairly sharp contacts with 5BØ, 5BØ2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5EØ.
L	12Ø3	1212		ØØ28	1ØØ#	
						White-grey-green bull quartz-calcite concordant bands (beds? veins) sub-parallelling S_2 are moderately calcareous, hard, contain chloritic phyllite and carbonaceous phyllite xenoliths, and have sharp upper (Convoluted @ Ø°-9Ø°), lower (@ 6Ø°) contacts. Very good core recovery. Good RQD.
L	1212	1341		ØØ29	5BØ	(5EØ: 1ØØ#) 9Ø:Ø5:Ø5
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery

DDH 91-01 (2 8)

CURRAGH RESOURCES INC.
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Date: Mar 1/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grey and rare ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Blocky to rubbly core at 133.6-133.8. Gradational upper, lower contacts parallel S_2. Clayey gouge at 133.5.
						Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and fairly sharp contacts with SBØ.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallel S_2 are moderately calcareous, hard, and have sharp contacts with SBØ, SBØ
L	1341	1345		ØØ3	SBØ2	RUBBLY ZONE
						Dark to medium grey weakly carbonaceous phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 to PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Soft. No sulphides. Good core recovery. Poor core recovery. Rubbly core throughout. Sharp upper, lower contacts at CA 9Ø°.
L	1345	1635		ØØ31	SBØ	(5EØ: 1ØØ#) 9Ø:Ø5:Ø5
						Light to medium grey phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-2 cm dia.) pyrite within quartz-calcite pods along bands parallel S_2; some replacement by pyrrhotite. Very good core recovery. Good RQD. Blocky core at 143.2-143.3 [152.2-152.6] [162.0-162.5]. Gradational upper contact parallel S_2. Minor healed oligomict chert-supported breccias at 157.3, 163.Ø. Sharp lower contact at CA 8Ø°,

DDH 91-VT-01

CURRAGH RESOURCES INC.

Lithologic Log

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

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

DDH 91L1-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

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

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Fair to poor core recovery (0.5m core loss at 172.4-172.8, 173.3-173.7). Poor to fair RQD (Rubbly core at 172.1-172.8, 173.3-173.7. Gradational upper, lower contacts parallel S_2. Clayey fault gouge (0.1m. wide) at 172.7-172.8 at ∠35°.
						White-grey-cream bull quartz-calcite-dolomite concordant band (bed? vein?) at 173.0-173.1 subparallelling S_2 are moderately to weakly calcareous, hard, and have sharp contacts with 5B0.
L	1739	1855		037	5B0	(5F0:5B02) 90:05:05
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately to strongly calcareous (locally, quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Rare pyrrhotite(?) as euhedral-cubic pyrite pseudomorphs.
						Olive grey slightly chloritic phyllite at 184.4-184.8 are moderately calcareous, CS_2 and PS_2 foliated, olive silvery grey S_2 fracture surfaces, and have gradational contacts with 5B0.
						Darker grey weakly carbonaceous phyllite interbeds, interlaminae parallel S_2 are moderately calcareous, moderately soft to soft, have dark silvery grey and rare (183.5) black (graphitic) S_2 fracture surfaces, and have gradational contacts with 5F0, 5B02.

DDH 91uX-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1855	1879		038	5BØ	→5FØ (5EØ) 90:10 Olive grey to light grey weakly chloritic (locally) phyllites with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, have blue-grey S_2 fracture surfaces and have fairly sharp contacts with 5BØ-5FØ parallel S_2!
L	1879	1920		039	5BØ	(5EØ:5FØ) 90:06:04 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-3 cm. dia.) pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ. Olive grey chloritic phyllite at 1881 is moderately calcareous, soft and has fairly sharp contacts with 5BØ.
L	1920	1924		040	5FØ	(100#) 70:30 Olive grey weakly chloritic phyllite has 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2, is moderately calcareous, is PS_2 and CS_2

DDH 91LL-01 (2 8)

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Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
I	10 14	16 20	22 24	26 28	30 34	35
						foliated, has olive silvery grey S_2 fracture surfaces, is moderately soft, and has gradational upper and lower contacts parallel S_2. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, contain phyllite xenoliths, and have sharp contacts with 5FØ.
L	191.2	191.35		ØØ41	5BØ	
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
L	191.35	195.4		ØØ42	5FØ	&1 (5FT) 8Ø:2Ø
						Olive green-grey weakly chloritic phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft to moderately hard (194.2-194.9). No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Banded-chloritic phyllite variant at 194.8-195.4 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and has gradational contacts with 5FØ&1.
L	195.4	210.0		ØØ43	5BØ	(5BØ2:5EØ:1Ø(##) 5Ø:3Ø:12:Ø8
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic

DDH 91-KY-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						pyrite within quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$; occasional pyrrhotite as pseudomorphs, after pyrite. Very good core recovery. Good RQD. Gradational upper contact // S_2. Sharp lower contact (@85°). Late quartz-calcite veinlets at @ 0°-40°.
						Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft to soft and have gradational contacts with 5B0.
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5B0, 5B02.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B0, 5B0 & 5E0.
L	21.00	21.04		0441	00#	(5D0 : 5B2) 70:20:10
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5D0, 5B2 (xenoliths). Very good core recovery, RQD. Sharp upper contact at @ 85°. Sharp lower contact at @ 70°.
						Olive green chloritic phyllite xenoliths of country rock incorporated into 100# are moderately calcareous, moderately soft, and have sharp contacts with 100#.
						Dark grey carbonaceous phyllite xenoliths of country rock incorporated into 100# are moderately calcareous, soft, and have sharp contacts with 100#.
L	21.04	21.53		045	5B0	(5E0 : 100#) 85:10:05
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good

DDH 9144-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov. 4/91 Logged By: D. Hallimond

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						core recovery. Good RQD. Sharp upper contact at CA70°. Sharp lower contacts at CA75°. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 (Ø.5-2.Øcm wide) are moderately calcareous, CS_2 and PS_2 foliated, and have fairly sharp contacts with 5BØ. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5BØ, 5BØ.
L	21.53	21.59		ØA6	5BØ2	(1ØØ#) 6Ø:4Ø
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Vuggy (2-5cm dia.) with limonite stain (weathered out sulphides?). Good core recovery. Fair RQD. Rubbly core at 215.6-215.9. Sharp upper contacts at CA75°. Sharp lower contacts at CA65°. White-grey bull quartz-calcite concordant bands (beds? veins?) are moderately calcareous, hard, and have sharp contacts with 5BØ2. Vuggy (2-5cm dia. vugs) with limonite stain (weathered out sulphides?).
L	21.59	21.92		ØA7	5BØ	
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 1/2 and lite quartz-calcite veinlets at CAØ°-3Ø°. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Sharp upper contacts at CA65°. Gradational

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CURRAGH RESOURCES INC.
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Date: Mar. 4/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						lower contacts parallel S_2. Occasional ochre (limonite) S_2 fracture surfaces.
L	21.92	21.96		Ø48	5BØ2	BLOCKY & RUBBLY. Dark to medium grey slightly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Poor RQD. Rubbly core throughout. Gradational upper, lower contacts parallel S_2.
L	21.96	2227		Ø49	5BØ	Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
L	2227	2229		Ø50	5FØ	→ 5BØ Olive grey slightly chloritic phyllite with 7% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at C85°.
L	2229	2242		Ø51	5QØ	→ 5C8.

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Olive grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture, S_2 overprints as off-white quartz-calcite bands, laminae parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 80°. Upper, lower chill margins (dyke, not a sill?).
L	224.2	224.8		052	5FØ	(5EØ) 50:50 Olive grey weakly chloritic phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 // S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°. Bluish-grey phyllitic marble interbeds at 224.4, 224.6-224.8 are very calcareous, CS_2 and PS_2 foliated, moderately soft and have fairly sharp contacts with 5FØ.
L	224.8	227.Ø		053	5CØ	→5C8 (5C7) 70:30 Olive grey v.f.g. aphanitic plagioclase-pyroxene(→chlorite) metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture, S_2 overprints as off-white quartz-calcite laminae, bands parallel S_2. Moderately calcareous, PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°. Upper, lower chill margins (dyke, not a sill?)

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Lithologic Log

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Banded chloritic metabasite variant occurs near upper contact (224.8 – 225.2).
L	227Ø	2273		Ø54	5FØ	
						Olive grey weakly chloritic phyllite with 1Ø% off-white quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 8Ø°. Gradational lower contact parallel S_2.
L	2273	2365		Ø55	5BØ	(5BØ2) 65135
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2; some rim, core replacement by pyrrhotite. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Darker, slightly carbonaceous phyllite interbands, interlaminae following S_1, S_2 are moderately calcareous. CS_2 and PS_2 foliated, moderately soft, and gradational contacts with 5BØ.
L	2365	2368		Ø56	5B46	LIMONITIC
						Medium grey-ochre limonitized phyllite with 2Ø% off-white quartz-dolomite siltstone laminae, beds parallel S_2. Weakly calcareous. PS_2 foliated. Silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contacts parallel S_2. Sharp lower contact at CA 7Ø°.

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	238.8	238.1		Ø57	SCØ	(1ØØ) 9Ø:1Ø Olive-grey v.f.g. aphanitic plagioclase-pyroxene(→chlorite) metabasite groundmass, white f.g. aphanitic (leucoxene?) phenocrysts and black f.g.-m.g. (amphibole?) porphyroblasts (elongate parallel S_2) within relict porphyritic or porphyroblastic igneous-metamorphic texture. Strong S_2 overprint, as white-grey bull quartz bands parallel S_2 (1-5cm. wide, spaced Ø.1m. apart). Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA7Ø°. Sharp lower contact at CA8Ø°. White-grey bull-quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with SCØ.
L	238.1	238.8		Ø58	5F4$	(5B4→5F4) 6Ø:4Ø Yellowish-green grey weakly chloritic ± sericitic phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_$. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA8Ø°. Grey weakly chloritic phyllite variant at 238.3-238.6 were moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5F4.
L	238.8	241.4		Ø59	5C7	Olive grey v.f.g. aphanitic (plagioclase-pyroxene?) metabasite groundmass, white

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CURRAGH RESOURCES INC.
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Date: Mar 4/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole?) porphyroblasts (elongate parallel S_2) within relict porphyritic igneous texture (now metamorphic texture). Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces; some ochre (limonite) S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°; Sharp lower contact at CA 60°. S_2 overprints as olive chloritic bands parallel S_2.
L	2414	2430		060	5F71	
						Olive green weakly chloritic phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft to moderately hard (silicified). No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 60°. Gradational lower contact parallel S_2.
L	2430	2470		061	5B0	(5E0) 70:30
						Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-2cm. dia.) pyrite within quartz-calcite pods along bands parallel S_2; pyrrhotite locally pseudomorphs pyrite. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 at 243.6-243.9, 244.5, 247.6, 245.0-245.1; 246.1, 246.4, 246.5, 246.6, 247.0 are

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						very calcareous (rapidly etched by 10% HCl acid), CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5B0.
L	247.0	259.2		062	5B0	(5B0; 10@#) 92:04:04
						Light to medium phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Bluish-grey phyllitic marble interlaminae/interbeds following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts.
						White-grey ± ochre bull quartz-calcite ± limonite concordant band (bed? vein?) at 248.8-249.1 are moderately calcareous, hard, and have sharp contacts.
L	259.2	260.5		063	5C0	→5C8 (5F0→5F8) 50:50
						Olive grey v.f.g. aphanitic plagioclase-pyroxene(→chlorite) metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole?) phenocrysts within relict porphyritic igneous texture. Weak S_2 overprint as off-white quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 70°. Upper, lower chill margins (dyke, not a sill?)
						Olive grey, CS_2-foliated weakly chloritic phyllite at 259.2-259.4

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DDH 91WY-01 (2 8)

CURRAGH RESOURCES INC.
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Date: Mar 4/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
						260.2-260.5 are moderately calcareous, moderately soft and have sharp contacts with 500→508 (gradational contacts with 5B0).
L	260.5	267.4		064	5B0	(5B02:5E0) 60:35:05 Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower fault gouge contact at CA 15°. Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5B0. Blush-grey phyllitic marble interbeds, interlaminae (1-2cm. wide) are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts.
L	267.4	269.3		065	5B02	BLOCKY & RUBBLY & GOUGE Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. Good core recovery. Poor RQD. Blocky to rubbly core at 268.0-269.0. Sharp upper fault gouge at CA 15°. Sharp lower fault gouge at CA 10°. Clayey gouges ≤1.0cm wide.

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	2693	2700		066	5B0	→ 5F0 (5E0) 90:10 Olive grey weakly chloritic phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous, CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper fault gouge contact at CA10°. Sharp lower contact at CA80°. Bluish-grey interbeds (269.5, etc.) 10cm. wide of phyllitic marble are very calcareous, moderately soft, and have fairly sharp contacts.
L	2700	2726		067	5C0	→ 5C8 Olive grey m.f.g. aphanitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weak S_2 overprint, with off-white quartz-calcite laminae, bands parallel S_2. Very good core recovery, RQD. Sharp upper contact at CA80°. Sharp lower contact at CA70°. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. (chloritic)
L	2726	2734		068	5F7	Banded-chloritic phyllite is olive-grey, CS_2 and PS_2 foliated, moderately soft, has olive silvery grey S_2 fracture surfaces. Moderately calcareous. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA70°. Sharp lower contact at CA80°.

DDH 91VV-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	273.4	273.8		069	5CØ	→5C8 (5FØ) 75:25 Olive grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. S_2 overprint as off-white, quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 65°. Olive-grey CS_2 foliated chloritic phyllite at 273.7-273.8 is moderately calcareous, moderately soft, and has sharp contact with 5CØ→5C8, gradational contact with 5BØ→5FØ.
L	273.8	275.3		070	5BØ	→5FØ (5EØ) 8Ø:2Ø Light to medium grey ± olive (chlorite) phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2'/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 70°. Bluish-grey phyllitic marble at 274.3-274.5 is very calcareous (rapidly etched by 10% HCl acid), CS_2 and PS_2 foliated, moderately soft, have bluish grey S_2 fracture surfaces, and has fairly sharp contacts with 5BØ→5FØ.
L	275.3	281.5		071	5CØ	→5C8 (5CØ→5C7: 5BØ→5B) 7Ø:2Ø:1Ø Olive grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture.

DDH 91VY-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Weak S_2 overprint, as off-white quartz-calcite bands, laminae parallel S_2. Plagioclase-pyroxene (-chlorite) groundmass. Moderately calcareous. PS_2 foliated to massive. Grey ± olive S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA70°. Sharp lower contact at CA65°. Upper chill margin. Lower chill margin apparently not present (Exotic 5BØ→5FØ piece of core at 28Ø.4-28Ø.6; piece of core may not be in correct place, but no alternate location exists).
						Banded-chloritic metabasite variant at 279.9-28Ø.4 is moderately calcareous, moderately soft and has gradational contacts with 5CØ→5C8.
						Weakly chloritic phyllite at 58Ø.4-58Ø.6 occurs as one (out of place) piece of core. Unit is moderately calcareous, CS_2 foliated and has sharp contacts with 5CØ→5C8, 5CØ→5C7.
L	28.15	28.24		ØØ72	5BØ	→5F7
						Light to medium grey phyllite with weak chloritic banding and off-white 2Ø% quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA65°. Sharp lower contact at CA6Ø°.
L	2824	2845		ØØ73	5C8	
						Olive grey v.f.g. aphanitic plagioclase-pyroxene(-chlorite) metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. S_2 overprint, as off-white quartz-calcite laminae, beds parallel S_2. Moderately calcareous. PS_2 foliated

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DDH 91UY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

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

DDH 91DY-01

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Bluish-grey phyllitic marble. Very calcareous (quickly etched by 10% HCl acid), CS_2 and PS_2 foliated. Bluish grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Gradational upper, lower contacts parallel S_2.
						Grey phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft, and have gradational contacts with 5EØ.
L	287.2	290.5		Ø77	5BØ	(10Ø#: 5EØ) 95:Ø5:TRACE
						Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within euhedral-cubic quartz-calcite pods along bands parallel S_2; some pyrrhotite pseudomorphs of pyrite. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparalleling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ. Occurs at 288.8.
						Bluish-grey phyllite marble interband at 290.28-290.3 is very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
L	290.5	290.8		Ø76	5EØ	
						Bluish-grey phyllitic marble. Very calcareous (quickly etched by 10% HCl acid), CS_2 and PS_2 foliated. Bluish grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Fairly sharp upper, lower contacts parallel S_2.

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Date: Mar. 1991 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	29.08	293.8		079	5B0	→5F0
						Light to medium grey phyllite with olive tint and 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 / S_1, S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive S_2 fracture surfaces. Moderately soft. Weak pervasive chloritization in patches. Good core recovery. Good to fair RQD. Blocky core at 292.4-292.5, 292.8-293.8. Clayey fault gouge 1.5 cm wide at 293.3 at CA80°. No sulphides. Gradational upper contact parallel S_2. Sharp lower contact at CA80°.
L	293.8	294.3		080	5B02	
						Medium to dark grey slightly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 / S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Soft. No sulphides. Very good core recovery. Fair to poor RQD. Blocky core throughout. Rubbly core at 293.8-294.2. Almost gouge-like at 294.1. Sharp upper contact at CA80°. Sharp lower contact at CA40°.
L	294.3	307.5		081	5B0	(5E0) 80:20
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 / S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral-pyritohedral pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 302.6-303.1. Sharp upper contact at CA40°. Sharp lower contact at CA60°.

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Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	3075	3079		0821	100#	
						White-grey bull quartz-calcite concordant band (bed? vein?) subparallelling S_2 is moderately calcareous, hard, and has sharp contacts with 5B0. Very good core recovery. Good RQD. Sharp upper contact at CA60°. Sharp lower contact at CA80°.
L	3079	3231		0831	5B0	(5B0→5F0 : 100# : 5E0) 90:06:02:02
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_1, S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Quartz-calcite veinlets at CA0°-30° cross-cut S_1, S_2. Minor healed oligomict clast-supported breccias at 315.7-315.8, 318.6-318.8. Trace euhedral-cubic and euhedral pyritohedral pyrite along quartz-calcite laminae, beds; occasionally, pyrrhotite is beginning to replace pyrite. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 312.8-312.9, 313.5-313.6. Sharp upper contact at CA80°. Gradational lower contact parallel S_2.
						Slightly chloritic phyllite at 316.5-317.0 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and has gradational contacts with 5B0.
						White-grey bull quartz-calcite concordant band (bed? vein?) subparallelling S_2 at 313.0-313.2 is moderately calcareous, hard, and has sharp contacts with 5B0, 5B0→5F0.
						Bluish-grey phyllitic marble laminae, beds following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5B0, 5B0→5F0.
L	3231	3237		0841	5C0	(5B0 : 5E0) 40 : 35 : 25
						Olive green-grey v.f.g. aphanitic plagioclase-pyroxene (→chlorite) metabasite, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral mafics (amphibole,

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						pyroxene?) within relict porphyritic igneous texture. Weak S_2 overprint as olive chloritic bands, laminae parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Sharp upper contact at CA80°. Sharp lower contact at CA60°.
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Occurs at 323.15-323.16, 323.3-323.5.
						Bluish-grey phyllitic marbles interbeds, interlaminae within SBØ following S_1, S_2. Very calcareous. CS_2 and PS_2 foliated. Moderately soft. Fairly sharp contacts with SBØ.
L	323.7	335.1		Ø85	SBØ	(5EØ:10Ø#) 85:10:Ø5
						Light to medium grey phyllite with 5% off-white quartz-calcite laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2; rim and core replacement (pseudomorphing?) by pyrrhotite. Quartz-calcite veinlets crosscutting S_1, S_2 at CA0°-3Ø°. Some ochre limonite staining on fracture surfaces and along quartz-calcite bands. Minor healed breccia at 331.4-331.5. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 328.4-328.6. Sharp upper contact at CA6Ø°. Sharp lower contact at CA75°.
						Bluish-grey phyllitic marble interbeds, interlaminae at 331.95, 332.7, etc. are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with SBØ.
						White-grey ± ochre bull quartz-calcite ± limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with SBØ, 5EØ. Occur at 328.2-328.4, etc.

DDH 91-1-01

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Lithologic Log

Date: March/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	335 1	336 3		086	10Q#	(5BØ:5EØ) 5Ø:45:Ø5 White-grey bull quartz-calcite concordant (beds? veins?) subparallelling S_2 are very calcareous, hard, contain xenoliths of (grey) phyllite and (olive) Mg-chloritic phyllite, and have sharp contacts with 5BØ. Very good core recovery. Good RQD. Sharp upper contact at CA75°. Sharp lower contact at CA7Ø°. Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Fairly straight qtz-calcite veinlets at CAØ°-3Ø° cross-cut S_1, S_2 (follow L_3, L_4, L_5?). Occur at 335.1-335.2, 335.4-335.5, 335.5-335.5, 335.65-335.85, 336.Ø-336.2. Bluish grey phyllitic marble interbeds, interlaminae within 5BØ follow S_1, S_2; are very calcareous; moderately soft; and have fairly sharp contacts with 5BØ, 5EØ
L	336 3	338 4		087	5BØ	(1ØQ#) 95:Ø5 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Minor healed breccia at 337.3-337.5. Good core recovery (Ø.1m core loss at 337.1-337.9). Good RQD. Blocky core at 337.7-337.9. Sharp upper contact at CA7Ø°. Gradational lower contact parallel S_2. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5BØ.
L	338 4	341 3		088	5BØ	(5EØ) 9Ø:1Ø Light to medium grey phyllite with 5% off-white quartz-calcite laminae/beds following

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Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						$S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to very good RQD. Gradational upper, lower contacts parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with SBØ.
L	3413	3430		ØB9	SBØ	(SBØ2:1ØQ#) 85:1Ø:Ø5 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. $PS_2 > CS_2$ foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Silvery grey and ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (pseudomorphs after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Darker grey slightly carbonaceous interbeds, interlaminae following $S_2 > S_1$ are moderately calcareous, moderately soft to soft, and have gradational contacts with SBØ. White-grey ± ochre bull quartz-calcite ± limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with SBØ, SBØ2.
L	3430	3526		ØBØ	SBØ	(SBØ2:5EØ:1ØQ#) 6Ø:3Ø:Ø5:Ø5 Light to medium grey phyllite with 1Ø% off-white quartz-calcite laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. $PS_2 > CS_2$ foliated. Silvery grey ± ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-2cm. dia.) pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.

DDH 91UT-01

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Darker grey weakly carbonaceous phyllite interbeds, interlaminae following $S_2 > S_1$ are moderately calcareous, $PS_2 > CS_2$ foliated, moderately soft, and have gradational contacts parallel S_2.
						Bluish grey phyllitic marble interbeds, interlaminae following $S_2 > S_1$ are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ, 5BØ2.
						White-grey bull quartz-calcite concordant bands(beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5EØ.
L	3526	3577		ØØ91	5BØ2	(5BØ:5EØ:~~100~~ 60:30:05:05
						Dark to medium grey slightly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Lighter grey phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft, and have gradational contacts parallel S_2.
						Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ2, 5BØ.
						Olive-grey Mg-chlorite-rich phyllite at 356.2-356.3, 357.5-357.7 exist as units and selvages to bull quartz-calcite concordant bands(beds? veins?) subparalleling S_2, which are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5BØ, 5EØ.
L	3577	3591		ØØ92	5BØ2	$

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DDH 91-47-01 (2 / 8)

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dark to medium grey slightly carbonaceous phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Straight quartz-calcite veinlets cross-cutting S_1, S_2 at CA 0°-30°.
L	359.1	360.3		092	5BØ	(100#) 80:20 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite bands (beds? veins?) along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 359.6-359.8, 358.9. Gradational upper contact parallel S_2. Sharp lower contact at CA 80°. White-grey ± ochre buff quartz-calcite ± limonite concordant bands (beds? veins?) sub-parallelling S_2 are very to moderately calcareous, hard, and have sharp contacts with 5BØ.
L	360.3	360.2		093	5CØ	(5BØ) 50:50 Olive grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphiboles? pyroxenes?) within relict porphyroitic igneous texture. Strong S_2 overprint, as off-white quartz-calcite bands parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive-grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°. Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Occur at 360.5-360.6, 360.9-361.8.
L	362Ø	3642		Ø94	5BØ	(1ØØ#) 7Ø:3Ø Light to medium grey phyllite with 2Ø% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_1, S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (1-3cm dia) within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 363.2-363.4. Sharp upper, lower contacts at CA8Ø°. White-grey ±ochre bull quartz-calcite ±limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ
L	3642	3656		Ø95	5CØ	&1 (5BØ2) 6Ø:4Ø Olive-grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Strongly S_2 overprinted by off-white quartz-calcite bands parallel S_2. Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Mod. soft to mod. hard. (364.2-364.6) No sulphides. Very good core recovery. Good to fair RQD. Blocky core at 364.6-364.9. Sharp upper, lower contacts at CA8Ø°. Dark to medium grey slightly carbonaceous phyllite at 364.6-365.4 is moderately calcareous, CS_2 to PS_2 foliated, moderately soft, and has sharp contacts with 5CØ parallel S_2. Dark silvery grey ±ochre (limonite) S_2 fracture surfaces.

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	10 14	16 20	22 24	26 28	30 34	35
L	361.56	361.76		Ø96	5BØ	(5EØ) 95:Ø5 Light to medium grey phyllite with 1Ø% off-white quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Straight quartz-calcite veinlets cross-cutting S_1, S_2 at CA Ø°-3Ø°. Very good core recovery. Good RQD. Sharp upper contact at CA 8Ø°. Sharp lower contact at CA 9Ø°. Trace euhedral cubic pyrite and euhedral pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
L	361.76	370.6		Ø97	5BØ2	Dark to medium grey weakly carbonaceous phyllite with 2Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre S_2 fracture surfaces. Moderately soft to soft. No sulphides. Poor core recovery (Ø.2m core loss at 367.6-369.Ø). Fair to poor RQD. Blocky to rubbly core 367.6-369.Ø, 369.5-370.6. Clayey ± limonitic fault gouge at 368.5-368.6 at CA 8Ø°. Sharp upper contact at CA 9Ø°. Sharp lower contact at CA 8Ø°.
L	370.6	381.5		Ø98	5BØ	(1ØØ#:5EØ) 85:1Ø:Ø5 Light to medium grey with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (replaced by pyrrhotite) and euhedral-cubic pseudomorph pyrrhotite (Ø.5-1.5 cm dia.) within quartz-calcite pods

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						380.2-380.3. along bands parallel S_2. Minor healed breccias at 372.2-372.3, Very good core recovery. Good to fair RQD. Blocky core at 373.5-373.7, 376.5 Sharp upper contact at CA80°. Sharp lower contact at CA70°. White-grey ± ochre bull quartz-calcite ± limonite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with SBØ. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with SBØ.
L	381.5	394.7		ØØ9	SBØ	(SBØ2:10Q#) 85:13:02 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (sometimes replaced by pyrrhotite) within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Minor healed breccia and blocky to rubbly core at 381.5-382.Ø near upper contact. Sharp upper contact at CA70°. Sharp lower fault contact at CA75°. Darker grey more carbonaceous interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with SBØ. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with SBØ, SBØ2.
L	394.7	410.3		1ØØ	SBØ	(5EØ:10Q#) 9Ø:Ø5:Ø5 Light to medium grey phyllite with 15% off-white quartz-calcite laminae/beds

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						following $S_1, S_2 / S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ochre (limonite) S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery, Good RQD. Off-white quartz-calcite (straight) veinlets at CA 0°-30° cross-cutting S_1, S_2. Sharp upper fault contact at CA 75° containing carbonaceous material (not graphite) and clay. Sharp lower fault contact at CA 90°.
						Bluish grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5FØ.
L	411.03	411.06		101	5BØ2	RUBBLE & FAULT GOUGE
						Dark to medium grey pebbles, one cobble of weakly carbonaceous phyllite and grey silty-textured gouge (mostly clay minerals). Fairly good recovery, but poor RQD throughout. Sharp upper fault contact at CA 90°. Sharp lower fault contact at CA 85°.
L	411.06	411.58		102	5BØ	(5EØ : 5BØ → 5FØ : 100#) 6Ø : 25 : 1Ø : Ø5
						Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following $S_1, S_2 / S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Minor healed breccia at 411.5-411.7. Trace euhedral-cubic and euhedral-pyritohedral pyrite within quartz-calcite pods along bands parallel S_2; some is being replaced by pyrrhotite. Very good core recovery,

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Good RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 75°.
						Bluish-grey phyllitic marble interbeds, interlaminae at 414.3-414.9 following S_1/S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ. Occurs at 414.1-414.9.
						Olive grey weakly chloritic phyllite at 412.6-412.8 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and has gradational contacts with 5BØ, 5EØ.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ, 5BØ-5FØ.
L	415.8	416.3		103	5F16	(100%) 60:40
						Olive-grey chloritic phyllite with <5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Poor to fair RQD. Blocky to rubbly core throughout. Sharp upper, lower contacts at CA 75°.
						White-grey-cream bull quartz-dolomite-calcite concordant bands (beds? veins?) subparallelling S_2 are weakly to moderately calcareous, hard, and have sharp contacts with 5F16.
L	416.3	417.2		104	5BØ	(5EØ:100%) 80:15:05
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Sharp upper, lower contacts

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

C.R.I. 1987 F-7A

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	418.85	424.4		107	5BØ	kl (5BØ2 : 1ØQ#) 6Ø : 35 : Ø5 Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to (locally) moderately hard. Some ochre (limonite) S_2 fracture surfaces. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2; some pyrite is replaced by pyrrhotite. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 418.6-418.8, 419.5-419.8, 420.1-420.5. Clayey fault gouge at CA 75° at 422.2-422.3. Sharp upper contact at CA 70° Sharp lower contact at CA 80° Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, contain xenoliths of carbonaceous phyllite, and have sharp contacts with 5BØ, 5BØ2.
L	424.4	424.9		108	1ØQ#	(5BØ) 8Ø : 2Ø White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and contains grey phyllite xenoliths. Very good core recovery, RQD. Sharp upper, lower contacts at CA 80°. Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2 are moderately calcareous, CS_2 and PS_2 foliated, have silvery grey S_2 fracture surfaces, and have sharp contacts with 1ØQ#.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	424.9	435.2		109	5B02	(5B0:5E0:100#) 50:40:08:02 Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pyrite and euhedral-cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Fairly good core recovery (0.1m core loss at 428.4-431.6). Fair to poor RQD. Blocky core at 426.6-427.1, 429.2-429.6. Rubbly core at 431.6-431.8. Sharp upper contact at CA 80°. Lighter grey phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5B02. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5B02, 5B0. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5B02, 5B0, 5E0.
L	435.2	436.4		110	5B0	(100#) 90:10 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 435.6-435.9, 436.1-436.2. Gradational upper contact parallel S_2. Sharp lower contact at CA 45°.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						White-grey bull quartz-calcite concordant band (bed? vein?) subparallelling S_2 at 435.9-436.1 is moderately calcareous, hard, and has sharp contacts with 5BØ.
L	436.4	437.5		1,1,1	5,B,Ø,2	BLOCKY & RUBBLY. Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Very good core recovery. Fair to poor RQD. Blocky to rubbly core throughout. Sharp upper contact at CA45°, Sharp lower contact at CA8Ø°.
L	437.5	443.8		1,1,2	5,B,Ø	(5EØ) 95:Ø5 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Trace disseminated euhedral-cubic pyrite; some is being replaced by pyrrhotite. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 441.7-441.8, 442.8-443.1. Sharp upper contact at CA8Ø°. Lower contact at CA7Ø° marks end of NQ coring. Core was reduced to BQ at this point. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
L	443.8	444.4		1,1,3	5,B,Ø	RUBBLY

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2 as cobbles, pebbles, sand and clay. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to very soft. No sulphides. Poor core recovery, RQD (reduction to BQ core at 443.8 necessary due to drilling problems. Blocky to rubbly throughout. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°. Likely fault zone; but no gouge, slickensides, etc.
L	4444	4485		114	5B Ø	(5EØ) 95:Ø5 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite along late, straight quartz-calcite veinlets at CA Ø°-3Ø° which cross-cut S_1, S_2. Also present in quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 85°. Bluish-grey phyllitic marble laminae, beds following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ. Occur throughout unit.
L	4485	4495		115	5B Ø2	RUBBLY WITH GOUGE Dark to medium grey weakly carbonaceous phyllite with 10% off-white siltstone quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Fair core recovery (Ø.2m core loss at 4485-449.3). Blocky to rubbly core throughout. Clayey fault gouge at 449.Ø-449.1 contains some carbonaceous material. Sharp upper

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contact at CA 85°. Sharp lower contact at CA 80°.
L	449.5	456.4		116	5BØ	(5EØ:10Ø#) 85:10:05
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately to very calcareous (locally, quickly etched by 10% HCl acid). Silvery grey S_2 fracture surfaces. Moderately soft. Trace to 1% euhedral-cubic pyrite (Ø.5-1.5 cm. dia.) within quartz-calcite pods along bands parallel S_2; some are partially, completely (rim?-) replaced by pyrrhotite. Very good core recovery. Good RQD. Blocky core at 455.2-455.5. Sharp upper, lower contacts at CA 80°.
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ.
L	456.4	457.3		117	5BØ	→5BØ2 BLOCKY & RUBBLY & GOUGE
						Light to dark grey phyllite with trace carbonaceous material and 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Poor RQD. Blocky to rubbly core throughout. Clayey gouge at at CA 30° at 456.4-456.5 (1cm wide). Clayey gouge at CA 80° at 457.1-457.2. Sharp upper, lower contacts at CA 80°.
L	457.3	463.5		118	5BØ	(5EØ) 90:10

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Trace to 1% euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite along quartz-calcite pods along bands parallel S_2 and their intersections with straight quartz-calcite veinlets cross-cutting S_1, S_2. Very good core recovery. Good RQD. Sharp upper/lower contacts at α 80°.
						Bluish-grey phyllitic marble interbeds, interlaminae (≤2cm. wide) following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
L	463.5	465.2		119	5BØ	→ 5BØ2 (5EØ) 95:05
						Light to dark grey slightly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good to good core recovery. Fair to poor RQD. Rubbly core at 463.5-463.7, 465.1. Sharp upper contact at α 80°. Gradational lower contact parallel S_2.
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ→5BØ2.
L	465.2	471.5		120	5BØ	(5EØ) 90:10
						Light to medium grey phyllite with 3% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately to strongly calcareous (locally, quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						soft. Trace euhedral-cubic pyrite and trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2 (Ø.5-1.Ø cm. diag.). Good core recovery. Good to poor RQD. Blocky core at 47Ø.3-47Ø.6. Gradational upper contact parallel S_2. Sharp lower contact at CA 7Ø°. Late, straight quartz-calcite veinlets at CAØ°-3Ø°.
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 occurring throughout unit and ≤ 2 cm. wide are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
L	47.15	47.24		1.21	5B.Ø2	BLOCKY & RUBBLY & GOUGE
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Fair core recovery (Ø.1 m. core loss within unit). Poor RQD. Blocky to rubbly core throughout. Clayey fault gouge at 472.1-472.4 (CA angle not discernable at upper contact; CA 8Ø° at lower contact. Single euhedral-cubic pyrite crystal (Ø.5cm diag.) at lower contact.
L	47.24	48.1	1	1.22	5BØ	(1ØØ#:5EØ) 85:1Ø:Ø5
						Light to medium grey phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2; rare euhedral-cubic pyrite at similar loci. Very good core recovery. Fair to poor RQD. Low breakage. Blocky at 472.4-472.7 (fairly blocky throughout unit). Sharp upper contact at CA 8Ø°. Sharp lower contact at CA 4Ø°

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CURRAGH RESOURCES INC.
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Date: Mar. 10/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ. Contain xenoliths of grey-black carbonaceous phyllite and olive-grey (Mg-) chloritic phyllite. Occur at 474.8–475.1, 476.Ø-476.1, 476.4, 479.4-479.5, 48Ø.8-481.1, etc.
						Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 occurring throughout unit are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ.
L	481.1 1	481.6		123	5B,Ø2	BLOCKY & RUBBLY
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery S_2 fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core throughout. Sharp upper contact at CA4Ø°. Sharp lower contact at CA8Ø°.
L	481.6	497.Ø		124	5B,Ø2	(5BØ: 5EØ: 1ØØ#) 8Ø:1Ø:Ø5:Ø5
						Dark to medium grey weakly carbonaceous phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral-cubic pyrite and within quartz-calcite pods along bands parallel S_2. Trace disseminated euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite and pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 483.1-483.2, 491.1-491.4. Sharp upper, lower contacts at CA8Ø°.

DDH 91-04-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar. 16/91 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 phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, $S_2//S_2$ at 492.7-492.8, 494.4-494.6 is moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5BØ2. Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 at 491.5, etc. are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ2, 5BØ. White-grey bull quartz-calcite concordant bands (beds? veins?) subparalleling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5BØ, 5EØ.
L	497Ø	4995		125	5BØ2	(5EØ:5DØ) 9Ø:Ø5:Ø5 BLOCKY & RUBBLY & ROUGH Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, $S_2//S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core at 497.Ø-497.7, 498.2-498.6, 499.2-499.5. Sharp upper contact at CA8Ø°. Sharp lower contact at CA7Ø°. Clayey gouge at 497.3 Bluish-grey phyllitic marble interbeds, interlaminae following S_1, S_2 throughout are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 5BØ2. Typically Ø.5-2.Øcm. wide. Olive (Mg-) chloritic phyllite interbeds parallel S_2 at 497.8, 498.8-498.9 are moderately calcareous, PS_2 foliated, moderately soft and have gradational contacts with 5BØ, 5EØ.
L	4995	5Ø3	1	126	5BØ	(1ØØ#) 95:Ø5 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds

DDH 91UY-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace disseminated euhedral-cubic pyrite. Very good core recovery. Fair RQD. Sharp upper, lower contacts at CA70°.
						White-grey bull quartz-calcite concordant bands (bed? vein?) at 502.6, 502.8 sub-parallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B0.
L	503.1	506.1		1.27	5B02	BLOCKY & RUBBLY & GOUGE.
						Dark to medium weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides.
						Poor core recovery (0.4m, core loss at 503.1-504.0, 0.2m core loss at 504.0-504.9.)
						Blocky to rubbly core at 503.1-505.4, 505.7-506.1. Sharp upper contact at CA70°.
						Sharp lower contact at CA80°.
L	506.1	520.0		1.28	5B02	(5B0:10Q#:5E0) 50:40:06:04
						Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite within quartz-calcite pods along bands parallel S_2. Good core recovery. Fair to poor RQD. Blocky core at 511.6-512.9, 515.6-515.9.
						Sharp upper contact at CA80°. Gradational lower contact parallel S_2.
						Lighter grey phyllite interbeds, interlaminae following S_1, S_2 throughout unit are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5B02.
						White-grey bull quartz-calcite concordant bands subparallelling S_2 at 509.0-509.1,

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CURRAGH RESOURCES INC.
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Date: Mar. 19/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						513.6-513.7 are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5BØ. Bluish-grey, phyllitic marble interbeds, interlaminae following S_1, S_2 throughout unit are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts with 3BØ2, 5BØ.
L	520Ø	521Ø		129	5BØ2	BLOCKY & RUBBLY. Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Blocky to rubbly core throughout. Gradational upper, lower contacts parallel S_2.
L	5210	5263		130	5BØ	(10Ø#) 95:Ø5 Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Occasional ochre (limonite) S_2 fracture surfaces (limonite after pyrite?). Very good core recovery. Good to poor RQD. Blocky core at 523.6-524.2, 524.7-525.4. Gradational upper, lower contacts parallel S_2. White-grey bull quartz-calcite concordant bands subparallelling S_2 at 521.1-521.3, 521.5-521.7, etc. are moderately calcareous, hard, and have sharp contacts with 5BØ.
L	5263	5350		131	5BØ2	(5BØ: 10Ø#) 5Ø:3Ø:2Ø ABUNDANT 10Ø#. Dark to medium weakly carbonaceous phyllite with 10% off-white quartz-calcite

C.R.I. 1987 E-7A

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. Very good core recovery. Good to poor RQD. Blocky core at 527.0-527.3. Rubbly core at 528.5-528.8. Gradational upper, lower contacts parallel S_2. Trace pyrite, pyrrhotite pseudomorphs as disseminations, within quartz-calcite pods along bands parallel PS_2.
						Lighter grey phyllite interbeds, interlaminae following S_1, S_2 throughout unit are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5B02.
						White-grey bull quartz-calcite concordant bands subparallelling S_2 at 526.3-526.8-527.0, 527.3-527.6, 530.1-530.2, 530.5-530.7, 531.0-531.3, 532.8-533.0, 533.4-533.6, 534.4-534.5, 534.7, 534.9-535.0 are moderately calcareous, hard, contain xenoliths of carbonaceous and chloritic phyllite, and have sharp contacts with 5B02, 5B0.
L	535.0	540.1		132	5B02	(100#) 90:10
						Dark to medium weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral-cubic pseudomorphs of pyrrhotite after pyrite. Good to fair core recovery. (0.6 m. core loss at 537.7-539.0). Good to poor RQD. Blocky to rubbly core at 537.7-539.0. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant band at 539.0-539.5 subparallel S_2 is moderately calcareous, hard, and has sharp contacts with 5B02.
L	540.1	540.6		133	5B02	(5B2) 80:20

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dark to medium weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous, CS_2 and PS_2 foliated. Dark grey silvery, black S_2 fracture surfaces with no graphite. Moderately soft. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Fair to poor RQD. Blocky to rubbly core at 545.1-542.1, 543.7-544.4, 545.5-546.4, 546.6-547.4, 547.7-548.6. Gradational upper/lower contacts parallel S_2.
						Dark grey carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately to weakly calcareous, CS_2 and PS_2 foliated, soft, have black graphitic S_2 fracture surfaces, and have gradational contacts with 5B02. Occur at 543.9-544.2, 546.2-546.6.
L	548.6	555.9		134	5B02	(100#) 95:05
						Dark to medium weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately to weakly calcareous, CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite. Very good core recovery. Good RQD. Blocky core at 548.8-549.2, 549.8-549.9. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B02
L	555.9	561.3		135	5B2	(5A0) 95:05
						Dark grey to black carbonaceous phyllite with 15% quartz-calcite veinlets at all CA angles

DDH 91-24-01

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
						Moderately to weakly calcareous. CS_2 and PS_2 foliated. Dark grey carbonaceous and black graphitic S_2 fracture surfaces. Soft to moderately soft. Somewhat chaotic appearance but not good SAB. Trace euhedral-cubic pseudomorphs of pyrrhotite (after pyrite?) within quartz-calcite pods and along quartz-calcite bands parallel S_2 (quartz-carbonate-pyrrhotite band at 566.5. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 548.6-549.1, 560.2-560.8, 561.3-561.7. Gradational upper, lower contacts parallel S_2.
						Black carbonaceous-graphitic phyllite near upper contact (555.9-556.5) with 15% quartz-calcite veinlets at all CA angles are moderately to weakly carbonaceous, CS_2 and PS_2 foliated, soft, have black graphitic S_2 fracture surfaces, and have gradational contacts with SBØ2.
L	567.3	571.5		136	SBØ2	$ → SFØ LIMONITIC,
						Dark to medium weakly carbonaceous phyllite with 10% quartz-calcite ± dolomite siltstone laminae/beds following S_1, S_2/S_2. Moderately to weakly calcareous. (Dolomitized-limonitized at 570.2-571.5). CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. Trace pyrrhotite as euhedral-cubic pseudomorphs (after pyrite?) within quartz-dolomite-pyrrhotite bands parallel S_2. Rare euhedral-cubic pyrite at similar loci. Slightly olive-chloritic near upper contact (567.3-569.2) as chloritic bands parallel S_2. Very good core recovery. Good to poor RQD. Blocky to rubbly core at 569.2-570.5, 571.4-573.1. Gradational upper, lower contacts parallel S_2.
L	571.5	573.1		137	SFGS	→ ALØ3 LIMONITIC. BLOCKY & RUBBLY

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Olive-grey weakly chloritic phyllite with 5% off-white quartz-dolomite±calcite siltstone laminae/beds following S_1, S_2 / S_2. Weakly to moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey, ochre (limonitic) S_2 fracture surfaces. Moderately soft to soft. No sulphides (sulphides altered to limonite?). Good core recovery, Poor RQD. Rubbly core throughout unit. Gradational upper, lower contacts parallel S_2. Yellowish (sericitic) S_2 fracture surfaces.
L	57.31	57.39		138	5F6$	→ 5B46$ BLOCKY Olive-grey weakly chloritic ±sericitic phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Weakly calcareous. CS_2 and PS_2 foliated. Olive silvery grey ± yellowish (sericite) colour S_2 fracture surfaces. Moderately soft. 1% euhedral-cubic (pseudomorphs after pyrite?) pyrrhotite along quartz-dolomite-pyrrhotite bands parallel S_2 (pyrrhotite clusters 2-3cm long along bands). Very good core recovery. Poor RQD. Blocky core throughout. Gradational upper, lower contacts parallel S_2
L	57.39	57.65		139	5F6$	42→5B46$ BLOCKY & RUBBLY Olive-grey weakly chloritic ±sericitic phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Weakly calcareous. Occasionally carbonaceous. CS_2 and PS_2 foliated. Olive silvery grey, ±yellowish (sericite), ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides (sulphides altered to limonite?). Good core recovery. Poor RQD. Blocky to rubbly core throughout. Gradational upper, lower contacts parallel S_2.
L	57.65	57.73		140	5B62	→ 5F62

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dark to medium grey ± olive very weakly chloritic phyllite with 5% quartz-dolomite ± calcite siltstone laminae/beds following $S_1, S_2 / S_2$. Weakly to (locally) moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey ± olive S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic (pseudomorphs after pyrite?) pyrrhotite within quartz-dolomite ± calcite pods along bands parallel S_2. Very good core recovery. Fair to poor RQD. Blocky core throughout. Gradational upper, lower contacts parallel S_2.
L	5773	5810		141	5B62$	→ 58F6$
						Dark to medium grey ± olive phyllite with 5% offwhite quartz-dolomite siltstone laminae/beds following $S_1, S_2 / S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey ± olive S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral-cubic (pseudomorphs after pyrite) pyrrhotite. Very good core recovery. Good to poor RQD. Rubbly core at 579.9-580.2. Gradational upper, lower contacts parallel S_2
L	5810	5822		142	5B02	
						Dark to medium grey weakly carbonaceous phyllite with 5% offwhite quartz-calcite siltstone laminae/beds following $S_1, S_2 / S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
L	5822	5837		143	5B04	→5F0

DDH 9104-01 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey ± greenish yellow weakly chloritic ± sericitic phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive (chlorite) ± yellow (sericite) S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Good to poor RQD. Blocky to rubbly core at 582.2-583.3. Gradational upper, lower contacts parallel S_2.
L	583.7	588.8		144	5FØ	→ 5CØ (3BØ) 6Ø:4Ø
						Olive grey weakly chloritic phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Locally has white fg. anhedral phenocrysts within v.fg. aphanitic groundmass (metabasitic?), strongly overprinted by S_2. Moderately calcareous. $CS_2 > PS_2$ foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. Good to poor core recovery (Ø.8m core loss at 585.8-588.1 (probably at 585.8-586.Ø and/or 587.5-588.1. Good to poor RQD. Rubbly core at 583.7-584.3, 584.5-586.Ø. Gradational upper, lower contacts parallel S_2. No sulphides.
						Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2 at 583.7-584.3, 584.5-586.1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides.
L	588.8	591.1		145	5BØ2	BS RUBBLY.
						Dark to medium grey weakly carbonaceous phyllite with 5% quartz-calcite ± dolomite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						foliated. Dark silvery grey, ochre (limonite) S_2 fracture surfaces. Moderately soft to soft. No sulphides (sulphides altered to limonite?). Poor core recovery (Ø.2m core loss within unit). Poor RQD. Rubbly core throughout. Gradational upper, lower contacts parallel S_2
L	591.1	604.2		146	5B62	(5B6:5B26) 50:35:15
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous; CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace disseminated euhedral-cubic (pseudomorphs after pyrite?) pyrrhotite, often near quartz-dolomite bands parallel S_2. Fair core recovery (Ø.2m core loss at 597.2-600.3). Good to poor RQD. Rubbly core at 593.3-594.2, 595.9-596.4, 596.9-597.Ø, 598.7-598.9. Gradational upper contact parallel S_2. Sharp lower contact at C 17Ø°
						Lighter grey phyllite interbeds, interlaminae at 591.1-6Ø1.Ø has 5% off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$ are weakly calcareous, CS_2 and PS_2 foliated, moderately soft and have gradational contacts with 5B62.
						Darker grey carbonaceous phyllite interbeds, interlaminae in lower section (6Ø1.Ø-6Ø4.2) have 5% off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$, are weakly calcareous, CS_2 and PS_2 foliated, soft, and have gradational contacts with 5B62.
L	604.2	6Ø6.8		147	5C61	(1Ø8# &$) 60:40 BLOCKY & RUBBLY
						Olive grey v.fg aphanitic metabasalt groundmass, black fg-mg subhedral matte

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						(amphibole, pyroxene?) phenocrysts, and white f.g. anhedral (leucoxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by S_2 as black, v.f.g. carbonaceous or Fe-chloritic bands parallel S_2. Weakly calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately hard, smooth, concoidal to (weakly silicified). No sulphides. Good core recovery. Fair to poor RQD. Blocky to rubbly core at 604.2–605.2, 605.8–606.0. Sharp upper contact at CA 70°. Sharp lower contact at CA 85°
						White-grey ± cream bull quartz-calcite-dolomite concordant bands (beds? veins?) subparalleling S_2 at 604.2–604.4; 605.6–606.8 are moderately to weakly calcareous, hard, contain xenoliths of non-calcareous phyllite, and have sharp contacts with SC61.
L	6068	6092		148	SB62	
						Dark to medium grey phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Fair to poor RQD. Blocky core at 607.0–608.1, 608.7–609.2. Sharp upper, lower contacts at CA 85°.
L	6092	6110		149	SC146 (100%) 85:15	
						Light olive grey v.f.g. aphanitic metabasite (plagioclase, pyroxene → chlorite) groundmass, black m.g. subhedral amphibole phenocrysts (→ porphyroblasts, oriented parallel S_2) within relict porphyritic igneous texture. Strong S_2 overprint, with olive chloritic bands parallel S_2. Weakly calcareous. PS_2 foli-

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DDH 91-Ø4-Ø1

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						ated to massive. Olive-grey ± yellowish (sericitic?) & fracture surfaces Moderately hard, smooth, lineated (weakly silicified). No sulphides. Good core recovery. Good to poor RQD. Blocky to rubbly core at 61Ø.2–61Ø.5. Chloritic-clay (fault?) gouge at 6Ø9.4 at CA 75° (1 cm. wide). Sharp upper contact at CA 85°.
						White-grey-cream quartz ± calcite ± dolomite concordant bands (beds? veins?) subparallelling S_2 are weakly calcareous, hard, have olive-grey weakly chloritic phyllite xenoliths, and have sharp contacts with SC146.
						611.Ø = EOH.

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

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

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		5	PS2	-			73	Massive metabasite. Measured fg-str
S		1,1	PS2	-			88	" "
S		1,7	PS2	-			61	PS2 metabasite.
S		2,0	CS2S	-	1,53	31 346	76	
S		28	CS2Z	-	1,7A	27 202	77	
S		3,4	CS2Z	-	Ø38	34 220	67	
S		39	CS2Z	-	Ø63	46 Ø71	76	
S		4,6	CS2S	-	1,04	38 336	68	
S		53	CS2Z	-	1,56	21 272	71	
S		58	CS2S	-	Ø29	47 Ø07	81	
S		59	CS2S	-	1,53	47 355	78	
S		69	CS2Z	-	Ø29	44 208	66	
S		78	CS2Z	-	Ø13	51 309	59	
S		8,0	CS2S	-	Ø27	56 Ø28	62	
S		88	CS2S	-	1,52	50 Ø04	74	
S		9,0	CS2Z	-	Ø36	75 145	82	
S		97	CS2S	-	Ø25	63 Ø12	74	
S		1,07	CS2Z	-	1,10	40 147	83	
S		1,09	CS2S	-	Ø53	38 Ø00	74	DD_2
S		118	CS2S	-	1,17	47 320	83	
S		123	CS2Z	-	133	53 096	78	
S		129	CS2Z	-	1,77	52 231	79	
S		131	CS2S	-	1,10	21 216	78	
S		139	CS2Z	-	Ø83	61 Ø65	82	
S		145	CS2S	-	Ø31	39 Ø11	79	
S		150	CS2S	-	127	38 233	74	
S		157	CS2S	-	Ø33	38 Ø08	65	
S		159	CS2S	-	Ø21	50 Ø07	78	
S		167	CS2S	-	Ø62	15 Ø15	58	
S		169	CS2S	-	Ø12	32 Ø01	75	
S		180	CS2S	-	Ø30	57 Ø35	75	
S		185	CS2S	-	Ø42	35 052	76	
S		190	CS2S	-	169	29 000	78	DD_2
S		193	CS2S	-	129	38 038	83	
S		199	CS2S	-	Ø00	300 000	71	DD_2
S		206	CS2Z	-	149	23 169	80	

DDH 91-DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

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

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		212.1	CS2	S	- 174	48 348	84 -	
S		218.3	CS2	Z	- 111	41 124	80 -	
S		225.0	PS2	-	- -	- -	82 -	5C0→5C8, 5C7.
S		230.9	CS2	Z	- 064	25 277	85 -	
S		233.7	CS2	Z	- 120	17 212	83 -	
S		242.6	CS2	S	- 165	10 010	78 -	
S		249.2	CS2	Z	- 042	38 168	77 -	
S		253.0	CS2	S	- 020	61 178	73 -	
S		258.7	CS2	S	- 047	24 359	71 -	
S		264.3	CS2	S	- 048	42 307	81 -	
S		271.2	CS2	Z	- 087	07 089	81 -	
S		274.7	CS2	S	- 051	50 000	85 -	DD$_2$
S		281.5	CS2	S	- 073	19 000	45 -	DD$_2$
S		290.8	CS2	S	- 118	23 326	77 -	
S		276.6	CS2	Z	- 086	42 194	64 -	
S		300.7	CS2	S	- 012	22 006	77 -	
S		306.2	CS2	Z	- 019	40 103	47 -	
S		310.6	CS2	S	- 039	41 023	81 -	
S		317.4	CS2	Z	- 084	44 084	83 -	
S		321.9	CS2	S	- 167	21 059	77 -	
S		330.7	CS2	S	- 111	09 000	73 -	DD$_2$
S		336.7	CS2	S	- 172	43 000	78 -	DD$_2$
S		340.8	CS2	Z	- 072	37 270	78 -	
S		346.3	CS2	S	- 177	39 060	80 -	
S		352.5	CS2	Z	- 015	42 069	80 -	
S		356.7	CS2	S	- 149	23 339	74 -	
S		364.9	CS2	S	- 012	45 000	80 -	DD$_2$
S		367.0	CS2	S	- 169	22 000	79 -	DD$_2$
S		374.3	CS2	S	- 132	61 300	63 -	
S		379.8	CS2	S	- 157	42 000	75 -	DD$_2$
S		386.9	CS2	Z	- 120	45 292	85 -	
S		393.8	CS2	Z	- 083	36 096	88 -	
S		400.4	CS2	S	- 170	40 353	71 -	
S		404.4	CS2	S	- 020	50 348	81 -	
S		407.2	CS2	S	- 000	89 347	79 -	
S		413.3	CS2	S	- 158	26 350	61 -	

DDH 91DY-01 (2 8)

CURRAGH RESOURCES INC.
Structural Log

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

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		4235	CS2	S	— 039	46 326	71 —	
S		4289	CS2	S	— 056	45 000	62 —	DD_2
S		4346	CS2	S	— 110	33 274	84 —	
S		4403	CS2	Z	— 041	31 230	85 —	
S		4433	CS2	Z	— 030	18 210	81 —	
S		4475	CS2	S	— 143	34 000	72 —	DD_2
S		4522	CS2	Z	— 060	40 056	84 —	
S		4624	CS2	S	— 032	36 035	88 —	
S		4706	CS2	S	— 164	10 000	86 —	DD_2
S		4785	CS2	S	— 161	37 350	83 —	
S		4845	CS2	S	— 043	42 005	70 —	
S		4932	CS2	S	— 168	43 000	55 —	DD_2
S		4955	CS2	S	— 038	43 350	77 —	
S		5065	CS2	S	— 040	40 067	86 —	
S		5165	CS2	S	— 147	23 004	69 —	
S		5224	CS2	S	— 141	40 000	69 —	DD_2
S		5280	CS2	Z	— 057	23 066	77 —	
S		5352	CS2	Z	— 084	36 286	83 —	
S		5445	CS2	S	— 113	18 042	81 —	
S		5498	CS2	S	— 159	39 109	64 —	
S		5540	CS2	Z	— 077	50 085	82 —	
S		5638	CS2	S	— 156	17 005	68 —	
S		5692	CS2	S	— 165	12 000	63 —	DD_2
S		5786	CS2	S	— 030	65 277	74 —	
S		5865	CS2	—	— —	— —	61 —	metabasite
S		5948	CS2	S	— 171	64 000	80 —	DD_2
S		6034	CS2	S	— 087	20 339	84 —	
S		6088	CS2		— 033	19 020	81 —	

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

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	00	25	2B					Blocky zone. Lower contact at CA 73°. Limonitic.
F	76	1,733	3B					Blocky zone. Upper, lower contacts at CA 60°, CA 85°, respectively. Limonitic.
F	227	229	1BR					Blocky to rubbly zone. Upper, lower contacts at CA 85°, CA 70°, respectively. Limonitic.
F	359	367	2B					Blocky zone. Upper, lower contacts at CA 43°, CA 83° resp. Limonitic.
F	407	4081	1R					Rubbly zone. Upper, lower contacts at CA 55°, CA 67°, respectively. Limonitic.
F	410	4,112	1B					Blocky zone. Upper, lower contacts at CA 80°, CA 80°, respectively. Limonitic.
F	419	4,242	2R,X					Rubbly zone. Upper, lower contacts at CA 78°, CA 86°, respectively. Minor healed oligomict clast-supported breccia. Limonitic.
F	595	5,992	2B,R					Blocky to rubbly zone. Upper, lower contacts at CA 82°, CA 74°, respectively. Limonitized.
F	625	6,292	2R,B					Rubbly-blocky zone. Upper, lower contacts at CA 77°, CA 52°, respectively.
F	660	6873	3R					Rubbly zone. Upper, lower contacts at CA 45°, CA 80°, respectively.
F	717	720	1R,B					Rubbly to blocky zone. Upper, lower contacts at CA 54°, CA 57°, resp.

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC. Page 72 of _____

Fault Log Date: Mar 3/91 Logged By: D. Hallimell

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	728	755	3,B,R					Blocky-rubbly zone. Upper, lower contacts at CA 84°, CA 78°; resp.
F	1087	1089	1,B					Blocky zone. Upper, lower contacts at CA 77°, CA 60°; respectively.
F	1191	1194	2,B					Blocky zone. Upper, lower contacts at CA 42°, CA 53°; respectively.
F	1324	1325	2,G			39 000		Clayey gouge, 1cm wide. Upper, lower contacts at CA 39°. Parallel S_2 (000°/39°)
F	1341	1345	2,R					Rubbly zone. Upper, lower contacts at CA 86°, CA 88°; respectively.
F	1516	1517	1,B,R					Blocky-rubbly.
F	1683	1685	1,R,G					Rubbly. Clay-limonite alteration. Upper, lower contacts at CA 78°, CA 72°; respectively. Attitude of gouge w.r.t. CA, S_2 strike not possible
F	1720	1728	2,R,G					Rubbly, Clay fault gouge at 172.5-172.7 at CA 37°. Some graphitic at 172.8 Rock piece with gouge not in situ; cannot measure attitude w.r.t. S_2 strike.
F	1733	1737	2,B,R					Blocky-rubbly. No gouge. Upper, lower contacts at CA 63°, CA 75°; respectively.

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct.	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	215.5	215.9	1,BR					Blocky to rubbly. Clay coated blocks, rubble. Upper, lower contacts at CA 78°, CA 85° ; respectively.
F	219.2	219.6	2,RG			76 018		Rubbly. Clay gouge at CA 57° at 219.6. Fault plane at 018° / 76° to S$_2$ strike.
F	237.9	238.0	1,R					Rubbly. Limonite-clay partially healed fractures. Upper, lower contacts at CA 37°, CA 71° ; respectively.
F	238.8	239.2	1,B					Blocky. Upper, lower contacts at CA 10°, CA 78° ; respectively.
F	249.3	249.4	1,B					Blocky. Upper, lower contacts at CA 78°, CA 46° ; respectively.
F	267.4	269.3	3,RG		44 032		42 023	Blocky, rubbly. Clayey 1.0cm. 0.1m thick fault gouges for upper, lower (fault) contacts at CA 11°, CA 5° ; respectively. Limonitic clay. Upper fault gouge at 032°/44° w.r.t. S$_2$ strike. Lower fault gouge at 023° / 42° w.r.t. S$_2$ strike.
F	293.8	294.1	2,GR				46 076	Rubbly, blocky. Clayey fault gouge. Upper, lower contacts at CA 89°, CA 54° ; respectively. Fault plane at 076°/46° to S$_2$ strike.
F	302.6	303.1	2,B					Blocky zone. No gouge. Upper, lower contacts at CA 78°; CA 81°, respectively

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct.	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	3283	3285	1BR					Blocky, rubbly zone. Upper, lower contacts at CA 68°; CA 67°; respectively
F	3676	3690	3RB					Rubbly-blocky zone. Upper, lower contacts at CA 86°; CA 65°; respectively. Clay-limonite alteration
F	3685	3686	2GR					Clayey gouge. Upper, lower contacts at CA 87°; CA 71°; respectively. Within rubbly zone. Attitude of fault plane w.r.t. S2 strike not possible.
F	3698	3706	2BR					Blocky-rubbly zone. Upper, lower contacts at CA 63°; CA 71°; respectively
F	3818	3819	1BR					Blocky-rubbly zone. Upper, lower contacts at CA 45°; CA 79°; respectively.
F	3946	3947	2GR				83 024	Rubbly zone. Clayey fault gouge. Upper, lower contacts at CA 65° CA 54°; respectively. Fault plane at 83°/024° w.r.t. S2 strike.
F	4103	4106	3GR					Rubbly with clayey gouge, pebbles, cobbles. Upper, lower contacts at CA 77°; CA 88°; respectively. Not possible to measure attitude of fault plane w.r.t. S2 strike.
F	4180	4184	2B					Blocky zone. Upper, lower contacts at CA 86°; CA 76°; respectively

DDH 91.D.Y.-Ø.1 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct.	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	4186	4188	1BR					Blocky-rubbly zone. Upper, lower contacts at CA 83°, CA 87°; respectively
F	4195	4198	1BR					Blocky-rubbly zone. Upper, lower contacts at CA 88°, CA 78°; respectively
F	4222	4223	1RG					Rubbly zone. Clayey gouge. Upper, lower contacts at CA 68°, CA 76°; respectively.
F	4316	4318	2RG					Rubbly gouge. Clayey fault gouge. Upper, lower contacts at CA 55°, CA 85°; respectively. Not possible to determine attitude of fault plane w.r.t. S$_2$ strike.
F	4356	4368	2BR					Blocky-rubbly. Upper, lower contacts at CA 88°, CA 72°; respectively.
F	4429	4431	2RG		92 007			Blocky-rubbly. Upper, lower contacts at CA 40°, CA 82°; respectively. Clayey gouge 0.5 cm wide at upper contact. Fault plane at 007°/92° to S$_2$ strike.
F	4436	4438	3BR					Blocky-rubbly. Upper contact at CA 85°. Drilling problems at this point necessitated reduction in core size from NQ to BQ.
F	4438	4443	3RB					Rubbly-blocky at start of BQ core drilling: Cobbles, pebbles, granules, sand, clay. Lower contact at CA 81°.

DDH 91DY-01 (2 / 8) CURRAGH RESOURCES INC. Page 76 of _____

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	449.5	449.5	3,R,G					Rubbly zone. Upper, lower contacts at CA 88°, CA 85°; respectively. Clayey gouge 0.09m wide at 449.0-449.1. Rock too friable to permit attitude measurement w.r.t. S_2 strike.
F	456.4	457.3	3,B,R					Blocky-rubbly. Upper, lower contacts at CA 83°, CA 88°; respectively. Contains clayey gouge (see below).
F	456.4	456.5	2,G		95 000			Clayey>limonitic gouge at CA 22°. 1-2cm. wide. Fault plane at 085°/ 95° to S_2 strike.
F	463.5	463.7	2,R,B					Rubbly-blocky. Upper, lower contacts at CA 78°, CA 74°; respectively.
F	471.5	472.4	3,R,B					Rubbly-blocky. Upper, lower contacts at CA 79°, CA 79°; respectively. Contains clayey fault gouge (see below).
F	472.1	472.3	3,G					Clayey>sandy gouge. Rock is too friable to permit attitude measurement w.r.t. S_2 strike.
F	481.1	481.6	2,R,B					Rubbly-blocky. Upper, lower contacts at CA 76°, CA 87°; respectively.
F	483.1	483.3	1,B,R					Blocky-rubbly. Upper, lower contacts at CA 79°, CA 73°; respectively. Clayey gouge at upper contact (see below).
F		483.2						Clayey gouge 1.0cm wide at CA 79° Attitude measurement w.r.t. S_2 strike not possible

DDH 91-DY-01 (2 / 8)

CURRAGH RESOURCES INC.

Fault Log

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

Code	FROM	TO (At)	Feature	REC	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	49.70	49.76	2,B,R					Blocky-rubbly. Upper, lower contacts at CA 76°, CA 81°; respectively. Includes clayey fault-gouge (see below).
F	49.72	49.73	1,G		48Ø84			Clayey gouge Ø.Ø8m. wide at CA 54°. Fault plane at 084°/48° w.r.t. S_2 strike.
F	49.81	49.86	2,B,R					Blocky-rubbly. Upper, lower contacts at CA 74°, CA 8Ø°; respectively.
F	5Ø.31	5Ø.56	3,R,B					Rubbly-blocky. Upper, lower contacts at CA 63°, CA 67°; respectively. Contains fault gouge (see below).
F	5Ø.34	5Ø.36	2,G					Clayey gouge. Attitude of fault w.r.t. S_2 strike not possible.
F	51.47	51.49	2,R,G				82Ø16	Rubbly. Upper, lower contacts at CA 67°, CA 53°; respectively. Contains graphitic fault gouge at 51.485-51.49 at CA 53° (lower contact). Fault plane at Ø16°/82°° w.r.t. S_2 strike.
F	51.57	51.6Ø	1,B,R					Blocky-rubbly. Upper, lower contacts at CA 88°, CA 54°; respectively
F	52.ØØ	52.1Ø	3,B,R					Blocky-rubbly. Upper, lower contacts at CA 75°, CA 8Ø°; respectively.
F	52.47	52.54	2,B,R					Blocky-rubbly. Upper, lower contacts at CA 76°, CA 87°; respectively.
F	52.64	52.66	1,R,B					Rubbly-blocky. Upper, lower contacts at CA 72°, CA 84°; respectively

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

Fault Log

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

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	5271	5274	2BR					Blocky-rubbly. Upper, lower contact at CA80°, CA63°; respectively
F	5285	5289	2BR					Blocky-rubbly. Upper, lower contacts at CA89°, CA90°; respectively.
F	5377	5390	2BR					Blocky-rubbly. Upper, lower contacts at CA54°, CA46°; respectively, Contains graphitic clay gouge (see below),
F	5389	5390	1G			58 032		Graphitic-clay gouge. (0.08m. wide) at CA64°. Fault plane at 032/58° m.r.t. S$_1$ strike.
F	5411	5419	3BR					Blocky-rubbly. Upper, lower contacts at CA78°, CA83°; respectively,
F	5438	5445	2B					Blocky. Upper, lower contacts at CA85°, CA79°; respectively
F	5453	5463	2BR					Blocky-rubbly. Upper, lower contacts at CA42°, CA68°; respectively
F	5466	5474	2BR					Blocky-rubbly. Upper, lower contacts at CA80°, CA80°; respectively
F	5481	5486	2R					Rubbly. Upper, lower contacts at CA75°, CA56°; respectively
F	5602	5609	2RB					Rubbly-blocky. Upper, lower contacts at CA86°, CA73°; respectively.
F	5699	5705	2BR					Blocky-rubbly. Upper, lower contacts at CA66°, CA73°; respectively.

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.

Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	571 15	573 1	3R					Clayey-limonitic. Rubbly. Upper, lower contacts at CA 70°; CA 70°; respectively.
F	573 9	576 5	3R B					Rubbly-blocky. Upper, lower contacts at CA 74°; CA 90°; respectively. Clayey-limonitic gouge at 575.7-575.9 (0.1m wide) at CA 75° (See below).
F	575 8	575 9	2G					Clayey-limonitic gouge 0.1m wide at CA 75°. Friable rock conditions make attitude measurement w.r.t. S_2 strike impossible.
F	582 2	583 3	3R B					Rubbly-blocky. Upper, lower contacts at CA 84°; CA 47°; respectively.
F	583 7	584 3	2R B					Rubbly-blocky. Upper, lower contacts at CA 88°; CA 48°; respectively.
F	584 5	586 0	3R B					Rubbly-blocky. Upper, lower contacts at CA 80°; CA 66°; respectively.
F	586 8	588 1	2B R					Blocky rubbly. Upper, lower contacts at CA 42°; CA 33°; respectively.
F	588 9	589 0	1R					Rubbly. Upper, lower contacts at CA 70°; CA 83°; respectively.
F	589 2	591 1	2R G					Rubbly. Upper, lower contacts at CA 35°; CA 22°; respectively. Clayey-carbonaceous gouge at 591.0-591.1. Rock too friable to permit attitude of fault plane w.r.t. S_2 strike.

DDH 91DY-01 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	5935	5942	2,B,R					Blocky-rubbly. Upper, lower contacts at CA 60°, CA 58°, respectively
F	6045	6053	3,B,R					Blocky-rubbly. Upper, lower contacts at CA 74°, CA 51°, respectively
F	6070	6078	3,B,R					Blocky-rubbly. Upper, lower contacts at CA 73°, CA 80°, respectively,
F	6087	6092	2,R					Rubbly. Upper, lower contacts at CA 70°, CA 77°, respectively.
F	6101	6105	2,B,R					Blocky, rubbly. Upper, lower contacts at CA 76°, CA 88°, respectively

91DY Ø1

Interval From	Interval To	Length [m]	#Joints	V/M	S2	S1 Hardness	Large(A)	Small(B)	Alt(C)	Fill(D)	S3 = (0.1A+0.1B+0.1C+0.1D)*40	RMR = $\sum_{i=1}^{3} S_i$
2923	295.2	2.9	54	19	5	3 → 2	100	84	75	50	12.75 ≃ 13	21
	299.7	4.5	33	7	15	4	95	84	100	50 ?	16.15 ≃ 16	35
	302.6	2.9	36	12	12	4	100	60	75	50	12.60 ≃ 13	29
	303.6	1.0	9	9	11	4	100	85	75	50	14.85 ≃ 15	30
	308.2	4.6	33	7	15	4	100	84	75	50	12.75 ≃ 13	32
	309.2	1.0	17	17	9	4	100	84	75	50	12.75 ≃ 13	26
	313.5	4.3	33	8	14	4	100	60	100	50	16.80 ≃ 17	35
	314.5	1.0	13	13	8	3.5	100	60	75	50	12.60 ≃ 13	24.5
	320.3	5.8	34	6	13.5	4	100	84	100	50 ?	19.80 ≃ 20	37.5
	321.9	1.6	16	10	10	4	100	84	75	50	14.85 ≃ 15	29
	323.6	1.7	10	6	13.5	4	100	83	75	50	10.58 ≃ 11	28.5
	325.2	1.6	23	14	8	4	100	60	75	50	9.00 ≃ 9	21
	327.5	2.3	17	7	15	4	100	84	100	50 ?	17.00 ≃ 17	36
	328.5	1.0	25	25	3.5	3.5	100	84	75	50	12.75 ≃ 13	20

Interval From	To	Length [m]	#Joints	1/M	S2	S1 (Hardness)	Length(A)	Small(B)	AH.(C)	Fill(D)	S3 = (.1A+.1B+.1C+.1D)*10	RMR = $\sum_{i=1}^{5} S_i$
333.9		5.4	29	5	15	4	100	84	75	50	12.75 ≃ 13	32
334.5		Ø.6	7	12	9	4	100	84	100	50?	17.00 ≃ 17	30
337.1		2.6	23	9	10.5	4	90	85	100	50?	17.82 ≃ 18	32.5
337.9		Ø.8	8	10	10	4	100	84	100	50?	17.00 ≃ 17	31
340.8		2.9	16	6	13.5	4	100	60	100	50?	16.80 ≃ 17	34.5
343.Ø		2.2	14	6	13.5	4	100	84	75	50	12.75 ≃ 13	29.5
348.6		5.6	42	8	14	4	100	60	75	50	12.60 ≃ 13	31
349.5		Ø.9	9	10	10	4	100	85	75	50	14.85 ≃ 15	29
351.8		2.3	15	7	12	4	100	84	75	50	12.75 ≃ 13	29
354.4		2.6	27	10	10	4	100	84	75	50	12.75 ≃ 13	29
355.6		1.2	19	16	6	4	100	84	75	50	12.75 ≃ 13	21
358.9		3.3	14	4	16.5	4	100	85	100	50?	19.80 ≃ 20	40.5
360.3		1.4	20	14	10.5	4	100	60	75	50	12.60 ≃ 13	27.5
362.Ø		1.7	24	14	8	3	100	64	75	50	12.75 ≃ 13	24

Interval From	To	Length [m]	#Joints	/M	S2	S1 (Hardness)	Large(A)	Small(B)	Alt.(C)	Fill(D)	S3 = (1A+.1B+.1C+.1D)40	RMR = $\sum_{i=1}^{3} S_i$
364.2		2.2	29	13	10.5	4.	100	85	75	50	14.85 ≃ 15	29.5
365.6		1.4	20	14	8	4.	100	84	75	50	12.75 ≃ 13	25
367.6		2.0	20	10	12	4.	100	84	75	50	12.75 ≃ 13	29
370.6		3.0	125	42	0	2.5	100	84	75	80	20.40 ≃ 20	22.5
371.8		1.2	27	23	4	3.5	100	84	75	50	14.85 ≃ 15	22.5
376.6		4.8	65	14	11	4	100	84	75	80	20.16 ≃ 20	35
381.5		4.9	39	8	14	4	100	84	75	50	12.60 ≃ 16	34
382.7		1.2	21	18	6	3.5	100	85	75	50	12.75 ≃ 13	22.5
387.2		4.5	49	11	9	4	100	85	75	50	12.75 ≃ 13	26
388.1		0.9	24	27	3	4	100	84	75	60	15.12 ≃ 15	22
392.3		4.2	43	10	11	4	100	60	75	50	9.00 = 9	24
394.6		2.3	18	8	14	4	100	84	75	50	12.60 ≃ 13	31
398.1		3.5	67	19	8	2	100	60	75	20	3.60 ≃ 4	14
401.7		3.6	27	8	14	4	100	80	75	50	12.00 ≃ 12	30

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Interval From To	Length [m]	#Joints	/M	S2	S1 (Hardness)	Large(A)	Small(B)	Ah(C)	Fill(D)	S3= (@A+1B+1C+1D)/40	RMR = $\sum_{i=1}^{3} S_i$
403.3	1.6	19	12	11.5	4	1ØØ	83	75	6Ø	14.94 ≃ 15	30.5
406.5	3.2	31	1Ø	12	4	1ØØ	84	75	5Ø	12.6Ø ≃ 13	29
407.2	Ø.7	9	13	1Ø.5	4	1ØØ	83	75	6Ø	14.94 ≃ 15	29.5
41Ø.3	3.1	24	8	14	4	1ØØ	83	75	5Ø	12.45 ≃ 12	3Ø
411.1	Ø.8	17	21	4	1	1ØØ	4Ø	75	7Ø	8.4Ø ≃ 8	13
415.7	4.6	31	7	15	4	1ØØ	83	75	6Ø	14.94 ≃ 15	34
416.3	Ø.6	11	18	8	7	1ØØ	84	75	5Ø	12.6Ø ≃ 13	28
417.9	1.6	14	9	13	4	1ØØ	84	75	6Ø	15.12 ≃ 15	32
42Ø.6	2.7	33	12	11.5	3	1ØØ	84	75	5Ø	12.6Ø ≃ 13	27.5
422.2	1.6	17	11	11.5	4	1ØØ	84	75	5Ø	12.6Ø ≃ 13	28.5
422.9	Ø.7	22	31	1.5	1	1ØØ	4Ø	75	7Ø	8.4Ø ≃ 8	1Ø.5
426.5	3.6	35	1Ø	1Ø	3	1ØØ	99	75	7Ø	2Ø.79 ≃ 21	34
427.7	1.2	32	27	3	3	1ØØ	83	75	7Ø	17.43 ≃ 17	23
43Ø.2	2.5	36	14	11	4	1ØØ	83	75	7Ø	17.43 ≃ 17	34
431.8	1.6	42	26	3	1	1ØØ	83	75	2Ø	4.98 ≃ 5	9

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
5.5	4.1	1.6	R3	12	2	0	–	–	–	3	14	10	J	53	14	3	J	HQ	
6.1																			NO CORE
7.3	1.2	0.5	R3	10	2	0	–	–	–	1	15	10	J	18	14	9	J	NQ	RECORED
7.8	0.5	0.3	R3	10	2	0	14	10	J	1	15	10	J	7	14	10	J	Z	RECORED
11.0	3.2	0.3	R3	9	2	1	16	10	J	1	16	10	J	26	12	5	S		
14.0	2.1	0.4	R3	9	3	1	16	10	J	1	16	10	J	42	12	4	S	NQ	
15.4	1.3	0.1	R3	10	3	0	–	–	–	2	14	10	J,G	24	12	7	S		limonitic-clay gouge
16.0	0.5	0.0	R2	7	3	0	–	–	–	1	14	10	J	19	12	8	S		
17.1	1.1	0.4	R2	8	2	0	–	–	–	3	15	10	J	21	12	8	S		
20.1	3.1	2.5	R3	14	2	1	15	10	J	2	13	10	S	19	12	8	S		
22.9	2.7	1.9	R3	13	2	1	16	10	J	4	16	10	J	20	12	8	S		
25.3	2.3	1.5	R2	14	2	1	14	10	J	2	16	10	J	24	12	7	S		
26.8	1.5	0.4	R2	8	2	1	16	10	J	2	15	10	J	32	12	6	S		
29.3	2.4	1.6	R2	11	2	1	16	10	J	3	14	10	J	32	12	6	S		
30.0	0.8	0.2	R2	12	2	0	–	–	–	3	14	10	J	8	12	9	S		
32.3	2.3	0.8	R2	12	2	1	17	10	J	1	16	10	J	23	12	7	S		
35.4	3.1	2.5	R2	11	2	1	17	10	J	3	16	10	J	63	12	3	S		
36.7	1.4	0.4	R2	10	3	2	15	10	J	4	15	10	J	19	12	8	S		
39.6	3.0	1.4	R2	12	1	1	16	10	J	2	16	10	J	32	12	6	S		
42.7	2.4	0.8	R2	9	3	2	16	10	J	5	16	10	J	42	12	4	S		
45.7	3.0	2.5	R2	11	2	0	–	–	–	1	15	10	J	49	12	3	S		
48.8	3.0	1.6	R2	12	1	0	–	–	–	1	16	10	J	41	12	4	S		
51.8	3.0	1.5	R2	12	1	1	16	10	J	1	16	10	J	39	12	4	S		
53.6	1.8	1.0	R2	13	1	1	14	10	J	0	–	–	–	26	12	7	S		
56.7	3.1	2.2	R2	12	1	1	14	10	J	1	16	10	J	51	11	3	S		
59.7	3.1	0.9	R2	12	1	1	14	10	J	0	–	–	–	57	12	3	S		
62.5	2.6	0.9	R2	8	1	1	16	10	J	2	16	10	J	40	12	4	S		
65.5	3.0	0.3	R2	9	1	2	16	10	J	5	15	10	J	72	12	3	S		
66.1	0.6	0.0	R2	10	1	1	16	10	F	1	16	10	J	16	12	10	S		
69.2	3.1	0.0	R1	4	3	1	16	10	F	2	16	10	J	6	12	3	S		
71.9	3.1	0.5	R2	9	2	2	15	10	J	3	16	10	J	56	12	3	S		
73.5	1.6	0.4	R2	10/4	4	6	14	10	J	7	16	10	J	29	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

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

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

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

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Units: Feet / Metres Date: Mar. 5/91 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				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
159.7	3.2	3.0	R2	14	1	0	—	—	—	0	—	—	—	17	12	9	S	NQ	
162.3	2.6	1.7	R2	13	1	1	15	10	J	0	—	—	—	18	12	9	S		
165.4	3.1	1.6	R2	13	1	0	—	—	—	2	16	10	J	43	13	4	S		
167.6	2.3	1.5	R2	10	1	0	16	10	F	4	12	10	S	22	12	8	S		
169.5	1.9	1.5	R2	7	3	1	16	10	F	2	16	10	F	33	12	6	S		
172.4	2.5	1.9	R2	7	2	1	15	10	J	3	15	10	J	30	12	6	S		
173.3	0.7	0.1	R2	2/9	3	2	16	10	J	2	16	10	J	50	13	3	S,G		clayey fault gouge
175.3	1.7	0.8	R2	6/11	2	1	15	10	J	1	17	10	J	28	12	6	S		
178.3	3.1	2.2	R2	12	1	0	—	—	—	2	15	10	J	25	12	7	S		
181.4	3.1	2.5	R2	12	1	0	—	—	—	0	—	—	—	21	12	8	S		
184.4	3.0	2.3	R2	12	1	0	—	—	—	3	15	10	J	23	12	8	S		
187.5	3.1	2.9	R2	13	1	0	—	—	—	2	16	10	J	11	12	10	S		
190.5	3.1	2.2	R2	11	1	0	—	—	—	2	14	10	JS	28	12	6	S		
193.7	3.1	2.5	R2	13	1	2	16	10	J	0	—	—	—	22	12	8	S		
196.7	3.1	2.6	R2	12	1	0	—	—	—	1	16	10	J	15	12	10	S		
199.9	3.1	2.7	R2	13	1	0	—	—	—	2	14	10	J	19	12	10	S		
203.0	3.1	2.5	R2	12	1	0	—	—	—	1	15	10	J	28	13	6	S		
206.0	3.1	2.8	R2	13	1	1	17	10	J	1	15	10	J	18	12	8	S		
209.1	3.1	2.2	R2	12	1	0	—	—	—	2	13	12	S	22	12	8	S		
212.1	3.1	1.8	R2	10	1	0	—	—	—	5	17	10	J	32	13	6	S		
215.2	3.0	2.0	R2	10	1	1	16	10	J	4	16	10	J	30	12	6	S		
218.2	2.9	2.8	R2	12	2	2	15	10	J	4	15	10	J	35	12	7	S		
221.3	3.2	1.1	R2	9/5	3	1	15	10	J	3	16	10	J	52	12	3	S		
224.3	3.1	2.9	R3	13	1	0	—	—	—	0	—	—	—	11	13	10	S		
227.4	3.1	2.6	R3	12	1	0	—	—	—	1	16	10	J	19	13	8	S		
230.4	3.1	1.5	R2	11	1	2	17	10	J	1	17	10	J	37	12	7	S		
233.5	3.1	2.2	R2	12	1	0	—	—	—	0	—	—	—	20	12	8	S		
236.5	3.0	2.1	R2	11	1	0	—	—	—	1	18	10	J	23	12	8	S		
239.6	3.1	2.2	R2	11	3	3	15	10	J	8	16	9	J	21	12	8	S		
242.6	3.0	2.9	R3	14	2	0	—	—	—	1	18	10	J	8	12	10	S		
245.7	3.1	2.5	R2	9	1	0	—	—	—	1	16	10	J	21	12	8	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

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

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

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

Units: Feet / Metres Date: Mar. 9/91 Logged By: D. Hallinell Page 85 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
337.1	3.0	2.5	R2	14	1	0	–	–	–	2	12	10	S	20	10	8	S	NQ	
340.2	3.2	1.5	R2	13	1	0	–	–	–	1	16	10	J	15	12	10	S		
343.2	3.0	2.5	R2	13	1	0	–	–	–	0	–	–	–	21	11	8	S		
346.3	3.1	2.5	R2	12	1	0	–	–	–	1	16	10	J	28	12	6	S		
349.3	3.0	2.4	R2	13	1	0	–	–	–	0	–	–	–	27	12	7	S		
352.3	3.0	2.3	R2	13	1	0	–	–	–	0	–	–	–	27	10	6	S		
355.4	3.0	1.9	R2	12	1	0	–	–	–	1	11	10	S	37	10	5	S		
358.4	3.1	2.6	R2	13	1	0	–	–	–	2	14	10	J	15	11	10	S		
361.5	3.1	1.8	R2	12	1	0	–	–	–	2	14	10	J	37	10	5	S		
364.5	3.0	2.1	R2	10	1	0	–	–	–	1	11	10	S	37	10	5	S		
367.6	3.1	2.0	R2	8/12	1	1	16	10	J	2	12	10	S,J	41	10	4	S		
369.0	1.1	0.2	R1	7	2	1	16	10	J	3	12	10	J	37	9	5	SG		clayey fault gouge
370.6	1.6	0.4	R1	8	3	1	14	10	J	1	14	10	J	53	10	3	S		
373.7	3.1	1.7	R2	12	1	0	–	–	–	4	16	10	J	47	11	3	S		
376.7	3.0	1.8	R2	12	1	0	–	–	–	2	16	10	J	41	10	4	S		
379.8	3.1	2.5	R2	13	1	1	16	10	J	3	14	10	J	29	11	6	S		
382.8	3.0	2.1	R2	12	1	1	9	10	J	4	16	10	J	30	11	6	S		
385.9	3.1	1.8	R2	11	1	0	–	–	–	0	–	–	–	38	10	4	S		
389.0	3.1	1.2	R2	11	1	0	–	–	–	0	–	–	–	38	10	4	S		
395.0	2.7	1.8	R2	12	1	0	–	–	–	0	–	–	–	27	11	5	SG		clayey fault gouge
398.1	3.0	1.1	R2	9	1	1	14	10	J	1	14	10	J	58	10	3	S		
401.1	3.1	2.2	R2	12	1	1	16	10	J	1	16	10	J	23	9	8	S		
404.2	3.0	2.0	R2	13	1	0	–	–	–	1	16	10	J	23	10	8	S		
407.2	3.1	2.3	R2	14	1	0	–	–	–	4	16	10	S,J	25	10	7	S		
410.3	3.0	2.8	R2	14	1	0	–	–	–	0	–	–	–	23	10	8	S		
413.2	3.0	2.4	R2	2/13	1	1	16	10	J	4	13	10	S	28	12	6	SG		clayey fault gouge
416.2	3.1	2.4	R2	14/8	1	1	14	10	J	4	10	10	S	26	12	5	S		
419.3	3.1	1.8	R2	12/9	2	2	13	10	J	3	12	10	S	47	10	3	S		
422.3	3.0	1.4	R2	8/11	2	1	14	10	J	3	16	10	J	55	11	3	SG		clayey fault gouge
425.3	3.1	2.2	R2	13	1	0	–	–	–	3	12	10	J	37	11	7	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 9104-01

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

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

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
504.0	0.7	0.0	R2	8	1	1	14	10	J	1	14	10	J	52	9	3	S	BQ	
504.9	0.7	0.0	R2	5	2	1	13	10	J	1	12	10	S	37	9	5	S		
505.6	0.7	0.0	R2	5/8	3	0	—	—	—	3	14	10	J	30	10	6	S		
508.5	2.5	0.9	R2	6/12	2	1	14	10	J	2	12	10	S	47	11	4	S		
511.6	3.1	1.5	R2	12	1	1	14	10	J	2	14	10	J	53	11	3	S		
512.8	1.2	0.0	R2	7	1	1	14	10	J	1	16	10	J	46	10	4	S		
515.9	3.2	1.0	R2	11	1	1	14	10	J	1	16	10	J	71	10	3	S		
519.1	3.2	1.4	R2	10	2	1	16	10	J	2	14	10	S	60	11	3	S		
522.0	3.0	0.8	R2	14/8	2	0	—	—	—	4	16	10	J	65	9	3	S		
525.0	3.0	0.3	R2	8	1	0	—	—	—	1	16	10	J	80	10	2	S		
526.4 527.3	1.4 0.7	0.2 0.2	R2 R2	8 8	1 2	3 3	14 —	10 —	J —	0 2	— 15	— 10	— J	0 27	— 14	— 3	— S		
528.7	1.4	0.1	R2	9/6	2	1	14	10	J	2	15	10	J	41	11	4	S		
531.7	3.1	1.4	R2	12	1	0	—	—	—	1	14	10	J	60	11	3	S		
534.8	3.1	1.6	R2	12	1	0	—	—	—	1	15	10	J	39	10	4	S		
537.7	2.8	1.0	R2	12	1	0	—	—	—	3	14	10	S	35	9	5	S		
539.0	0.6	0.0	R2	8	2	0	—	—	—	2	14	10	S	16	12	8	S		
541.5	2.2	0.6	R2	9	1	1	14	10	J	2	15	10	J	37	11	5	S		
541.9	0.4	0.0	R2	8	1	0	—	—	—	1	14	10	J	18	11	9	S		
544.7	2.8	0.2	R2	8	1	1	14	10	J	3	14	10	S	76	9	2	SG		clayey gouge
547.0	2.2	0.2	R2	8/6	1	0	—	—	—	0	—	—	—	68	9	2	S		
549.8	2.9	0.1	R2	6/8	1	1	16	10	J	5	14	10	S	99	10	2	S		
551.8	2.0	0.5	R2	11	1	0	—	—	—	4	12	10	S	52	9	3	S		
554.7	2.9	0.2	R2	9	1	2	14	10	J	2	10	10	S	84	9	2	S		
557.0	2.5	0.5	R2	10	1	1	14	10	J	3	12	10	S	101	9	2	S		
558.7	1.6	0.5	R2	10	1	1	15	10	J	3	14	10	SG	26	9	7	S		graphitic gouge
560.2	1.5	0.8	R2	11	1	0	—	—	—	1	12	10	S	25	11	7	S		
561.6	1.5	0.0	R2	7	1	0	—	—	—	3	12	10	S	53	11	3	S		
564.6	3.2	1.6	R2	11	1	0	—	—	—	3	15	10	S	53	11	3	S		
567.7	3.1	1.9	R2	12	1	0	—	—	—	2	14	10	S	37	11	5	S		
570.4	2.6	2.0	R2	13/8	2	1	15	10	J	4	12	10	S	20	10	8	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-01

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
571.8	1.3	0.3	R2	9	3	1	15	10	J	2	11	10	S	34	12	5	S	BQ	
574.4	2.4	0.0	R2	3/6/3	4/2/3	0	—	—	—	0	—	—	—	105	8	2	S		
575.9	0.3	0.0	R2	6/1	2	1	10	10	J	1	11	10	S	19	8	8	S		
576.5	0.8	0.0	R2	6	2	1	10	10	J	4	10	10	S	37	9	5	S		
577.1	0.5	0.0	R2	7	1	0	—	—	—	2	16	10	J	24	9	7	S		
580.2	3.1	0.5	R2	11	1	0	—	—	—	4	14	10	S	80	9	2	S		
583.2	3.3	1.0	R2	13/6	2	1	14	10	J	4	14	10	J	100	9	2	S		
584.7	1.5	0.1	R2	4	2	2	12	10	J	4	14	10	J	35	11	2	S		
585.8	1.2	0.0	R2	3	2	2	16	10	J	5	15	10	J	30	10	3	S		
588.1	1.4	0.3	R2	10	2	2	16	10	J	2	15	10	J	33	10	3	S		
588.9	0.3	0.0	R2	7	2	2	15	10	J	1	14	10	J	5	11	3	S		
591.1	0.8	0.1	R2/R1	10/4	2	1	16	10	J	3	10	10	S	24	9	7	S		
593.0	1.9	0.4	R2	13	1	1	15	10	J	1	14	10	J	38	9	5	S		
594.2	1.0	0.0	R2	8	1	1	16	10	J	4	12	10	J	38	9	4	S		
597.2	3.2	0.8	R2	12	1	1	14	10	J	6	10	10	S	72	9	3	S		
600.3	2.8	0.7	R2	13	1	1	16	10	J	0	—	—	—	75	10	3	S		
603.3	3.0	2.4	R2	12	1	0	—	—	—	4	16	10	S	49	9	3	S		
606.4	3.1	0.3	R2	7	1	2	15	10	J	2	10	10	J	130	11	2	S		
607.3	0.9	0.0	R2	6	1	1	15	10	J	4	10	10	S	45	9	4	S		
608.1	0.6	0.0	R2	5	1	1	15	10	J	1	15	10	J	28	9	8	S		
609.1	1.0	0.0	R2	5	1	1	16	10	J	1	16	10	J	46	9	4	S		
610.3	1.2	0.4	R2	10	1	0	—	—	—	1	15	10	J	36	14	5	J		
611.0	0.7	0.2	R2	9	1	2	16	10	J	1	17	10	J	14	14	9	S		

CYPRUS ANVIL MINING CORPORATION

Page 1 of _____

DIAMOND DRILL CORE LOG

Date: Feb. 28/91

Hole Number: 91DY-02

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: C ZONE

Claim: _____

Terr.Plane Co-ords.: 9006195.50 N

597557.00 E

Grid Co-ords: _____

Elevation: 1081.60

All symmetry determinations looking

Total Depth: 625.0m.

_____ with _____ dipping

Inclination: VERTICAL AT COLLAR

_____ with dip azimuth _____.

Purpose: TEST MINERALIZATION AT C ZONE

Reason hole Terminated: Hole reached desired depth, mineralization

Logged by: J. Zbeetnoff / D. Halliwell

Date(s) Logged: Jan.-Feb. 1991

Drilling Contractor: Caron Diamond Drilling

CORE Size	From	To	Collar Cased and Capped:
NQ	4.9	625.0	

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 91DY-02 (2 8)

Date: Feb. 28/91 Logged By: JZ/DH

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
I	2 8	10 16	17 24	25 32	34 39	41 42	
T	91DY-02	1081.60	900645.5	597557.0	METRES	S2	

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

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 91DY-02 (2 — 8)

Date: Feb.28/91 Logged By: JZ/DH

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
I	2 8	10 16	17 24	25 32	34 39	41 42	
T	91DY-02	1081.60	900645.5	597557.0	METRES	S2	

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

DDH 91-Y-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Sectnff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0.0	4.9			11A	CASING: (casing left in hole - no cement)
	4.9	11.6			5B9	Medium gray moderately calcareous phyllite is PS$_2$ foliated strongly locally moderately broken, with weak to moderate oxidation occurring sporadically coating S$_2$ fractured surfaces. Unit hosts 7-10% quartz-calcite cm-scale veins generally parallel S$_0$. Rock is slightly soft and hosts trace clotty Py. Core is generally strongly broken and has poor to good recovery. Lower contact is sharp and parallel S$_2$
	11.6	15.0			5B16	± # ± 02 (5B0) 80:20 Medium to slightly dark gray, noncalcareous to locally weakly calcareous phyllite is PS$_2$ foliated and host a band of 5B0 at 12.3 - 12.7. Interval is locally slightly carbonaceous denoted by a slightly darker gray color. No portion of interval tarnishes fingers any darker than medium to light gray. Oxidation is very rare and limited to rough low angle fractures. Interval contains 2-3% dcm quartz-calcite veins often parallel S$_2$ and trace-1% clotty Py. Rock is slightly soft, moderately to slightly strongly broken with good recovery. AM

DDH 91-NY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Zbeda

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contacts are sharp and parallel S_2
	15.0	51.4			5B9	± → 02 (10Q#: 5EO) 89:10:01
						Medium to Slightly Medium dark gray phyllite is moderately to strongly calcareous phyllite is commonly PS_2 foliated, rarely CS_2. Interval supports 7-10% 1.0-15cm quartz-calcite veins. Dm scale veins are most abundant at 41.6-43.9 and 49.4-50.4. Interval hosts a 15cm PS_2 foliated 5EO band at 35.8. 5EO is medium gray, finely laminated // S_2 and intensely calcareous. Rock is slightly silt, moderately-rarely moderately to strongly broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2. Trace Py is scattered throughout.
	51.4	53.1			5B16	→ 62 ± 0 STRONGLY BROKEN
						Medium to slightly medium dark gray phyllite is non-calcareous non-dolomitic locally v. weakly calcareous unit is PS_2 foliated, strongly broken and hosts 2cm of gouge at 51.9. Interval contains 5% dm-scale rarely cm-scale quartz calcite veins at trace-1% clotty Py. Rock is moderately to slightly silt and has fair to good

DDH GLNY-02 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb '91 Logged By: D. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						recovery. Upper and lower contacts are sharp and parallel S_2. Interval is very slightly carbonaceous but no surface will go beyond slightly tarnishing fingers medium to light gray.
	53.1	58.5			580	→02 STRONGLY BROKEN
						Medium to slightly medium dark gray phyllite is moderately locally weakly calcareous, DS_2 foliated and strongly brokenalong S_2 surfaces. Interval is crushed at 56.9 - 58.4. Fractured surfaces slightly tarnish fingers medium gray. Rock is slightly to moderately soft with fair to good recovery, poor recovery from 56.7 - 58.5. Contacts are sharp and parallel S_2. Pyrite is rare and occurs as clots.
	58.5	68.9			590	
						Medium gray moderately to strongly calcareous phyllite is generally DS_2 foliated, sporadically CS_2 and hosts 0 - 7% cm-scale quartz-calcite veins parallel S_2. Veins are most abundant at 60.9 - 62.4. Unit contains 1% pyrite clots scattered throughout. Unit is slightly silty moderately to strongly, locally strongly broken. Recovery is good throughout. Upper contact is sharp and

DDH CUDY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 91 Logged By: T. Zbetnaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						parallel S_2. Lower contact is sharp and bound by a very narrow (10cm) gouge and crushed rock-bearing fault oriented @ 130°/32° relative S_2
	68.9	72.6			5B0	Weak fault, STRONGLY BROKEN
						Medium gray, moderately calcareous phyllite is DS_2 foliated, and strongly broken parallel S_2. Above 70.1 unit is crushed rubble and supports a narrow (10cm) gouge-bearing fault trending 130°/32° relative S_2. Rock is moderately soft, rarely slightly soft, strongly broken parallel S_2. Recovery is good. Upper contact is fault bound at 130/32° relative S_2. Lower contact is sharp, parallel S_2 and is noted as first piece of core >4cm long.
	72.6	88.3			5B0	± STRONGLY BROKEN
						Medium gray, moderately, sporadically strongly calcareous phyllite is locally strongly broken and hosts very rare narrow (1.0-2.0 cm) bands of gouge crosscutting S_2. A single occurance of a healed shear occurs at 87.1-81.25 m. S_2 fractures are very dominant. Gouge bands trend roughly 000°/28°, healed

CRI 1987 F-7A

DDH 91DY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Zscalaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						shear trends 040/43° relative S_2 (S bands @ 43° w.r.t CA C band @ 16). Rock is slightly to moderately soft, and has good recovery. Upper and lower contacts are sharp and parallel S_2
	88.3	99.4			5B9	
						Medium locally medium to light gray, moderately to strongly calcareous phyllite is generally S_2 foliated with local occurrences of well developed CS_2. Unit hosts 2-3% cm-scale quartz-calcite veins parallel S_2 and 1-2% clotty to subhedral pyrite grains (.1-.5 cm). Rock is slightly silt, moderately broken and has good recovery. Upper and lower contacts are sharp and parallel S_2.
						Unit is crushed with ± gouge at 96.9-97.2. No orientation available
	99.4	102.5			5B6	±/±# FAULT (5B26 ±#) 95:05
						Medium to light gray phyllite is generally non-calcareous locally weakly calcareous/dolomitic. Unit is crushed with 40% gouge to 101.2 and has a weakly to moderately healed shear fabric. Interval displays shear fabric containing wisps and bands of dark gray

DDH 91-04-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Ebert

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						phyllite - SB26. Darker interval is generally barren of carbonate but is sporadically slightly calcareous and hosts 3% quartz-dolomite veinlets and fragments. Shear fabric is generally oriented at 20° TCA but locally contorts // CA. Rock is soft throughout, and recovery is poor where crushed, good where healed is moderate. Upper contact is sharp and parallel S_2. Lower contact is oriented 038/25 wrt S_2. Internal fabric of shear hosts S bands @ 05° wrt CA, and C bands @ 22°.
	102.5	114.7			SBD	Medium gray, moderately to strongly calcareous phyllite is PS_2 foliated and contains 5-7% quartz-calcite veins 1-2cm wide and parallel S_2. Rock is slightly soft, moderately slightly tending to strongly broken locally. 20% of unit is strongly broken in widths < 30cm. Upper and lower contacts are sharp and parallel S_2

DDH 91-GY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Feb '91 Logged By: F. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	114.7	117.2			5BQ	STRONGLY BROKEN Medium gray, moderately calcareous phyllite is strongly broken, crushed and hosts minor gouge. Fractures are S_2 dominant. Gouge is rare and occurs in <2cm bands and appear parallel S_2. Recovery is poor to fair. Rock is moderately to slightly soft. Upper and lower contacts are sharp and parallel S_2.
	117.2	144.5			5BQ	(5BQ2) 90:10 Medium gray rarely medium dark gray moderately to strongly calcareous phyllite is typically DS, foliated, rarely CS. Locally unit host a slight carbonaceous content give cm-dm scale bands a slightly darker color. No portion of interval tarnishes finger more than medium gray. Rock is slightly soft moderately soft where darker gray. Interval is generally moderately broken; strongly broken at 128.0 - 133.7, & weakly crushed with moderate gouge at 143.5 - 144.0. Recovery is good. Upper and lower contacts are sharp and parallel S_2.

DDH 94Y-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 91 Logged By: T. Beatty

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	144.5	148.4			5B2#	(→5A06) 90:10 Dark gray, moderately to strongly calcareous phyllite is PS_2 foliated with S_2 surfaces easily tarnishing fingers dark gray. Locally unit hosts 10-30cm bands of non calcareous very dark gray to black 5A0 which easily tarnish fingers very dark gray to black. Interval is moderately broken locally strongly broken with minor gouge. Pyrite is ubiquitous and occurs in 0.5-1.0cm subhedral clots over 1-2% of interval. Contacts between 5A06 and 5B2 are gradational. Rock is very slightly hard to slightly soft. Upper and lower contacts are sharp and parallel S_2
	148.4	151.9			5A0	± # Very dark gray to black weakly calcareous locally non-calcareous carbonaceous phyllite is PS_2 foliated with S_2 surfaces easily tarnishing fingers v. dark gray rarely black. Rock is slightly hard and hosts 3-5% clotty, wispy and disseminated Py. Core is strongly broken with very rare occurances of gouge. Recovery is good. Upper contact is sharp and parallel S_2. Lower contact is crushed.

DDH 91-NY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Feb '91 Logged By: D. Beckwith

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	151.9	162.2			5BD	
						Medium gray strongly calcareous phyllite is typically CS_2 foliated sporadically PS_2 foliated above 156.0. Unit hosts 1-2% quartz-calcite stringers and clots at variable orientation. Pyrite occurs as 0.5 – 0.75 cm subhedral clots. Rock is moderately broken, moderately to strongly broken above 154.8. Breaks are S_2 dominant. Rock is slightly soft and has good recovery. Upper contact is crushed lower contact is sharp, parallel S_2 and noted by a 5cm quartz calcite vein.
	162.2	163.9			5BO	→ 5FO
						Medium to light gray, slightly greenish interval is strongly calcareous and CS_2 foliated. Unit is slightly chloritic. Intrusive hosts 5-7% dm-scale quartz chlorite veins subparallel S_2, unit is also bound by quartz veins. Rock is very slightly hard, moderately broken and has good recovery. Upper and lower contacts are sharp, parallel S_2 and are bound by dm-scale quartz calcite vein. Pyrite is extremely rare.

CRI 1987 F-7A

DDH 91-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: E. Beckstall

Code	From	To	Recov.	No.	Unit	Description
	163.9	170.8			5BØ	(5B6) 70:30 light to medium gray strongly to rarely weakly calcareous unit is CS_2 foliated and hosts 2-3% very irregular, patchy and wispy quartz-calcite veins on the cm-scale or less. Rock is slightly soft, moderately broken and contains trace -1% subhedral pyrite 2-3mm in size. Upper and lower contacts are sharp, and noted by dm scale quartz calcite veins. Non-calcareous phyllite occurs at 164.7-166.1
	170.8	175.9			5FØ	(100#) 95:05 Light olive grey weakly chloritic phyllite with abundant (25%) off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Very calcareous. CS_2 and PS_2 foliated (fold closures at 172.2-172.9). Olive silvery grey fracture surfaces, moderately soft. No sulphides. Very good core recovery, RQD. Gradational contacts parallel S_2 White-off white bull quartz-calcite concordant bands (veins) subparallelling S_2 at 170.8-171.0, etc. are very calcareous, hard and have sharp contacts with 5FØ.
L	175.9	180.3			5BØ	(5EØ:100#) 97:02:01 Light to medium grey phyllite with off-white siltstone laminae/beds following $S_1, S_2/S_2$. Moderately to very calcareous (locally, quickly etched by 10% HCl acid).

C.R.I. 1987 F-7A

DDH 91UY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 24/91 Logged By: D. Hallinan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace m.g. (Ø.5-2.5cm. wide) euhedral-cubic pyrite along quartz-calcite laminae, bands parallel S_2. Very good core recovery. Very good to good RQD. Gradational upper, lower contacts parallel S_2
						Blue-grey phyllitic marble sub-units are very calcareous, PS_2 foliated, moderately soft, have blue-grey fracture surfaces, and have fairly sharp contacts parallel S_2. These occur at 170.7, 171.Ø, 171.1, 178.4, and 178.95.
L	18.03	18.11			5FØ	(5BØ:1ØQ#) 45:4Ø:15
						Olive grey weakly chloritic phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2, PS_2 foliated. Olive silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, Good RQD. Gradational upper, lower contacts parallel S_2.
						Light to medium grey phyllite with siltstone laminae, beds are moderately calcareous, are CS_2 and PS_2 foliated, have silvery grey fracture surfaces, are moderately soft, and have gradational contacts with 5FØ.
						White-grey bull quartz-calcite concordant bands (veins?) subparallelling S_2 are very calcareous, hard and have sharp contacts with 5FØ, 5BØ.
L	18.11	19.22			5BØ	(1ØQ#) 96:Ø4
						Light to medium grey phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately to very calcareous. CS_2 and PS_2 folrated. Silvery grey fracture surfaces. Moderately soft. Trace m.g. (Ø.5-1.5cm. dia.) euhedral-cubic pyrite within quartz-calcite pods, bands, laminae parallel S_2. Very good core recovery.

DDH 91LY-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Good RQD. Gradational upper, lower contacts parallel S_2. Minor healed oligomict clast-supported breccia at 182.0-182.5. Blocky core at 189.0-189.8, 190.5-190.2. White-grey quartz-calcite concordant bands (veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts with 5B0. Contain wisps of olive Mg-chlorite.
L	1922	1956			5B02	(10Q#:5E0) 95:03:02
						Dark to medium weakly carbonaceous phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous (weakly calcareous at 192.8-193.0). CS_2 and PS_2 foliated. Dark silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (veins?) subparallelling S_2 are very calcareous, hard, contain wisps of phyllite, and have sharp contacts with 5B02.
						Blue-grey phyllitic marble interbands (194.4, etc.) are very calcareous, PS_2 foliated, moderately soft, and have fairly sharp contacts with 5B02 parallel S_2.
L	1956	2003			5B62	(5B6:5E0) 55:43:02
						Dark to medium grey phyllite with off-white quartz-carbonate siltstone laminae/beds following S_1, S_2 / S_2. Weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey fracture surfaces. Moderately soft to soft. Rare trace euhedral-cubic pseudomorphs of pyrrhotite after pyrite within quartz-carbonate laminae, bands, pods parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Light to medium grey phyllite/siltstone interbands are weakly calcareous, CS_2 and PS_2 foliated, moderately soft, have silvery grey fractures and have gradational contacts with 5B6.

DDH 91V1-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Blue-grey phyllitic marble interbands (197', etc.) are very calcareous, moderately soft and have fairly sharp contacts with 5B62, 5B6.
L	2Ø.Ø3	2Ø79			5BØ2	(5BØ; 1ØØ#; 5EØ) 5Ø:4Ø:Ø8:Ø2 Dark to medium grey (weakly carbonaceous) phyllite with off-white quartz-calcite siltstone following S_1, S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (1-2cm. dia.) within quartz-calcite pods, bands and laminae parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Light to medium non-carbonaceous phyllite/siltstone interbands are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, have silvery grey fracture surfaces, and have gradational contacts with 5BØ2 parallel S_2. White-grey bull quartz-calcite concordant bands (veins?) subparallelling S_2 are strongly calcareous, hard and have sharp contacts with 5BØ2, 5BØ. Blue-grey phyllitic marble interbands are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ2, 5BØ.
L	2Ø79	2Ø82			1ØØ#	(5DØ) 9Ø:1Ø White-grey quartz-calcite concordant band (vein?) subparallelling S_2 is very calcareous, hard and has sharp contacts with 5BØ parallel S_2. Contains olive green chloritic phyllite wisps and bands parallel S_2 and following S_1.

DDH 91DY-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 24/91 Logged By: D. Helliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	210.82	211.01			SBØ	(100#) 95:05 Light to medium grey phyllite with offwhite quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace pyrite as euhedral cubes along quartz-calcite pods, bands, laminae parallel S_2. Very good core recovery. Good RQD. White-grey quartz-calcite concordant bands (veins?) subparallelling S_2 are strongly calcareous, hard, and have sharp contacts with SBØ.
L	211.01	211.05			SFØ	(100#) 70:30 Medium olive grey weakly chloritic phyllite with off-white quartz-calcite siltstone laminae, bands parallel S_2. Moderately calcareous. PS_2 foliated. Olive silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. White-grey quartz-calcite concordant bands (veins?) subparallelling S_2 are strongly calcareous, hard and have sharp contacts with SFØ.
L	211.05	217.3			SBØ	(5EØ:5FØ) 97:02:01 Light to medium grey phyllite with off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite along quartz-calcite pods, bands, laminae parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Blocky core at 211.7. Blue-grey phyllitic marble at 213.1-213.2, 213.8, 215.3, 215.4, 215.5. are very calcareous, moderately soft interbands following S_1, S_2 with fairly sharp contacts.

DDH 91DY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Olive grey chloritic phyllite interband at 215.9 is moderately calcareous, moderately soft and has gradational contacts parallel S_2.
L	217.3	219.3			5BØ2	(1ØØ#) 7Ø:3Ø Dark grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 \| S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey fracture surfaces. Moderately soft to soft. Fair core recovery (Ø.1m core loss at 218.2-22Ø.1. Poor RQD. Blocky to rubbly core at 217.5 – 218.5, 218.8 – 218.9. Gradational upper, lower contacts parallel S_2. No sulphides. White-grey bull quartz-calcite concordant bands (veins?) subparallel S_2 at 217.3-217.5 218.5 and 219.1-219.3 are very calcareous, hard, and have sharp contacts with 5BØ2
L	219.3	222.7			5BØ	→ 5FØ (1ØØ#) 9Ø:1Ø Light to medium olive grey with 15% off-white quartz-calcite laminae/bands following $S_1, S_2 \| S_2$. Strongly calcareous (quickly etched by 1Ø% HCl acid). PS_2 and CS_2 foliated. Olive silvery grey fracture surfaces. Moderately soft. Trace euhedral-cubic and euhedral-pyritohedral pyrite (1cm. dia.) within quartz-calcite pods, bands parallel S_2. Fair core recovery (Ø.1m core loss at 218.2-22Ø.1). Good to fair RQD. Blocky to rubbly core at 219.5 - 22Ø.3. Gradational upper, lower contacts parallel S_2. White-grey quartz-calcite concordant bands (veins?) subparallelling S_2 are very calcareous, hard and have sharp contacts with 5BØ → 5FØ.
L	222.7	224.7			5BØ	(5BØ2:) 6Ø:4Ø

DDH 91DY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 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 phyllite with 15% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 // S_2$. Moderately calcareous, CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (Ø.5 cm dia.) within quartz-calcite pods, bands, laminae parallel S_2. Very good core recovery. Good RQD. Blocky core at 224.4-224.5. Gradational upper, lower contacts parallel S_2.
						Dark grey weakly carbonaceous phyllite interbands are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft and have gradational contacts parallel S_2.
L	2247	2376			5BØ	(5BØ2:5EØ:1ØØ#) 75:2Ø:Ø4:Ø1
						Light to medium grey phyllite with 1Ø% off-white quartz-calcite laminae/beds following $S_1, S_2 // S_2$. Moderately to strongly calcareous (locally, quickly etched by 1Ø% HCl acid. Silvery grey fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods, bands and laminae parallel S_2. Very good core recovery. Good to very good core recovery. Gradational upper, lower contacts parallel S_2.
						Dark to medium grey weakly carbonaceous phyllite interbands are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft and have gradational contacts with 5BØ.
						Blue-grey phyllitic marble interbands are strongly calcareous, PS_2 foliated, moderately soft and have fairly sharp contacts with 5BØ, 5BØ2. Coarser-grained than phyllites.
						White-grey bull quartz-calcite concordant bands (veins?) subparallelling S_2 are very calcareous, hard and have sharp contacts with 5BØ, 5BØ2 and 5EØ.
L	2376	2386			5EØ	(5BØ) 8Ø:2Ø
						Blue-grey phyllitic marble with 5% off-white quartz-calcite laminae/beds following $S_1, S_2 // S_2$. Very calcareous. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Tight

DDH 91DY-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fold closures (noses at ~237.8, 238.1). Very good core recovery, Good RQD. Fairly sharp contacts parallel S_2. Light to medium grey phyllite with siltstone laminae, beds are moderately calcareous, CS_2 and PS_2 foliated, moderately soft and have gradational contacts with 5EØ following S_1, S_2.
L	23.86	247.1			5BØ	(5BØ2 : 5EØ : 1ØQ#) 6Ø : 35 : Ø3 : Ø2 Light to medium grey phyllite with 2Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_1, S_2. Moderately to very calcareous (locally quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (1 cm. dia.) within quartz-calcite pods, bands, laminae parallel S_2 above 244.7. Trace euhedral-cubic pyrite and pyrrhotite as euhedral cubic pseudomorphs after pyrite below 244.7 within quartz-calcite pods, bands, laminae parallel S_2. Late crosscutting quartz-calcite veinlets. Dark to medium grey weakly carbonaceous phyllite / siltstone interbands are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ. Blue-grey phyllitic marble / siltstone interbands are very calcareous, PS_2 foliated, and have fairly sharp contacts with 5BØ, 5BØ2. Occur at 243.7, 244.4, etc. White-grey bull quartz-calcite concordant bands (veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5EØ. Occur at 238.6-238.8, 239.8-239.9, etc.
L	247.1	253.5			5BØ2	(5BØ : 5EØ : 1ØQ#) 5Ø : 45 : Ø3 : Ø2 Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2

DDH 91-UY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						foliated, dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Rare trace euhedral-pyritohedral pyrite (≤1cm.) within quartz-calcite pods, bands parallel S_2. Poor core recovery? 0.5m. missing core at 248.7-251.8, 257.4-260.5 (driller's errors?). Good RQD. Blocky core at 251.3-251.4. Gradational upper contact parallel S_2. Less carbonaceous variant is similar. Sharp lower contact at CA80°.
						Blue-grey phyllitic marble/siltstone interbands at 247.95-248.15, 253.45-253.5, is very calcareous, moderately soft, PS_2 and CS_2 foliated, and have fairly sharp contacts with 5B0.
						White-grey bull quartz-calcite concordant bands (veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B02, 5B0, 5E0.
L	2535	2633			5C0	(5E0: 100#) 70:20:10
						Medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weak S_2 overprint (blue-grey marbly bands parallel S_2?). Moderately to strongly calcareous. PS_2CS_2 foliated. Moderately soft. No sulphides. Cross-cut by late quartz-calcite veinlets at CA0°-45°. Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA70°.
						Blue-grey phyllitic marble interbands 1-4cm. wide parallel S_2 are very calcareous, PS_2 foliated, moderately soft, and have fairly sharp contacts parallel S_2 with 5C0.
						White-grey bull quartz-calcite concordant bands (veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5C0, 5E0.
L	2633	2794			5B0	(5E0: 100#) 90:08:02

DDH 91-44-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 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 phyllite with 15% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within pods, bands, laminae parallel S_2. Very good core recovery. Good RQD. Blocky core at 268.5–268.7, 275.7–275.8. Sharp upper contact at @ 70°. Minor healed oligomict breccia at 268.0. Blue-grey phyllitic marble interbands (1-3cm wide) throughout are very calcareous, CS_2 and PS_2 foliated, moderately soft and have fairly sharp contacts following S_1, S_2. White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are very calcareous, hard and have sharp contacts with 5B@, 5B@.
L	27.94	29.20			5B@	→5F@ (100#) 98:02 Light to medium grey phyllite with olive greenish (chlorite) tint and 20% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. Silvery grey and olive green-silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (1 cm dia.) with quartz-calcite pods, bands, laminae parallel S_2. Healed minor oligomict breccia at 29.5 with quartz-calcite. Poor core recovery @ 5m missing at 29.4–29.4. White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5B@→5F@.
L	29.20	30.11			5B@	(5B@2) 70:30 Light to medium grey phyllite with 20% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2.

DDH 91-04-02 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Weakly carbonaceous phyllite/siltstone interbands is moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ.
L	301 1	318 1			5BØ	(5EØ:1ØQ#) 96:Ø3:Ø1
						Light to medium grey phyllite with 1Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately to strongly calcareous (locally, quickly etched by 1Ø% HCl acid. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods, bands and laminae parallel S_2. Very good core recovery. Good core recovery. Gradational upper contact parallel S_2. Missing core CAMD sample taken before logging at 316.6 - 317.5. Sharp lower contact at CA 6Ø°.
						Blue-grey phyllitic marble interbeds at 3Ø1.4, 3Ø4.Ø, 3Ø5.8, 3Ø7.5, 3Ø8Ø, 3Ø8.3, etc. are very calcareous, moderately soft, and have fairly sharp contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are moderately calcareous, hard, and has sharp contacts with 5BØ, 5EØ following S_1, S_2.
L	318 1	318 9			5CØ	(5EØ) 95:Ø5
						Medium grey v.f.g. aphanitic metabasitic groundmass; off-white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts with relict porphyritic igneous textures. Moderately calcareous. PS_2 and (locally) CS_2 foliated. Grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 6Ø°. Sharp lower contact at CA 7Ø°.
						Blue-grey phyllitic marble interbeds at 318.5 following S_1, S_2 are very

DDH 91-84-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						calcareous, moderately hard and has fairly sharp contacts with 5CØ.
L	319	331			5BØ	(100#:5EØ) 95:04:01 Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_1/S_2. Moderately calcareous. CS_2 and FS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace pyrite as euhedral-cubic and euhedral-pyritohedral pyrite within quartz-calcite pods, bands and laminae parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°.
						White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5EØ.
						Blue-grey phyllitic marble interbeds at 326.1, 330.3, 331.7 are very calcareous, moderately soft and have fairly sharp contacts following S_2.
L	331	332			5CØ	→ 5C7 (5EØ) 97:03 Medium grey v.f.g. aphenitic metabasitic groundmass, white f.g. anhedral (leucoxene?) and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyroblastic igneous texture. Very calcareous (rapid etching). FS_2 foliated to massive. Grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 85°. Local S_2 overprint with olive grey chloritic bands, laminae parallel S_2.
						Blue-grey phyllitic marble interbeds, interlaminae parallel S_2 are very calcareous, moderately soft and have fairly sharp contacts with 5CØ → 5C7 parallel S_2.

DDH 91DY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	33.28	~~33~~ 33.30			5B∅	
						Light to medium grey with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 80°.
L	~~33~~ 33.30	~~33~~ 33.34			5C∅	(5E∅) 9∅:1∅
						Medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Dark grey (chloritic?) bands parallel S_2 overprint this. Moderately calcareous. PS_2 foliated. Grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods, bands parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact (very minor healed breccia) at CA 10°.
						Blue-grey phyllitic marble interbeds (interlaminae) following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5C∅.
L	~~33~~ 33.34	34.12			5B∅	(5E∅:5F∅→5D∅:1∅Q#:5C8) 9∅:∅4:∅3:∅2:∅1
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (1cm dia.) within quartz-calcite pods, bands parallel S_2. Very good core recovery. Good to fair RQD. Sharp upper contact at CA 10°. Sharp lower contact at CA 80°.

DDH 91-VI-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Blue-grey phyllitic marble interbeds (interlaminae) following S_1, S_2 are very calcareous, moderately soft and have fairly sharp contacts with 5BØ. Occur at 33Ø.6, 336.4, 34Ø.6, etc.
						Olive-grey chloritic phyllite/siltstone at 339.4-339.5, 339.8 is moderately calcareous, PS_2 foliated, moderately soft, and have gradational contacts with 5BØ.
						White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5FØ→5DØ.
						Olive-grey metabasite at 335.9-336.Ø is moderately calcareous, PS_2 foliated, pervasively chloritized and has relict porphyritic igneous texture overprinted by S_2. White fg anhedral (leucoxene?) and black fg anhedral (amphibole, pyroxene?) phenocrysts.
L	341.2	342.8			5C6	(1ØØ#: 5EØ) 92:Ø7:Ø1
						Medium grey v.f.g. aphanitic groundmass, white fg anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by olive-grey chloritic bands parallel S_2. Weakly calcareous. PS_2 foliated to massive. Grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 40°. Minor healed breccia at 342.Ø. Blocky core at 341.2-341.5.
						White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5C6.
						Blue-grey phyllitic marble interbands parallel S_2 are very calcareous, moderately soft and have fairly sharp contacts with 5C6.

DDH 91-01-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	348	347.6			5B0	(5E0:100#) 96:02:02
						Light to medium grey phyllite with 7% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Moderately soft. Trace euhedral-cubic and euhedral-pyritohedral pyrite within quartz-calcite pods and bands parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA 40°. Gradational lower contact parallel S_2.
						Blue-grey phyllitic marble interbeds parallel S_2 and following S_1 are very calcareous, moderately hard, and have fairly sharp contacts with 5B0.
						White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B0, 5E0. ✓
L	347.6	353.8			5B02	(100#) 95:05
						Dark to medium grey slightly carbonaceous phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey silvery S_2 fracture surfaces. Moderately soft to soft. Good core recovery. Fair to poor RQD. Rubbly to blocky core at 348.0, 348.1, 349.0-350.4, 350.5-350.6, 350.8-351.0, 351.9-353.8. Gradational contacts parallel S_2. Clayey fault gouge at 348.0 at CA 40°.
						White-grey bull quartz-calcite concordant bands (veins? beds?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B02. ✓
L	353.8	359.3			5B0	
						Light to medium grey phyllite with 20% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Strongly calcareous (quickly etched by 10% HCl acid). CS_2

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DDH 91VY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and P_{S_2} foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods, bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 353.8-354.1, 355.2-355.5, 356.5-357.2. Gradational upper contact parallel S_2. Sharp lower contact at CA 45°. (Clayey fault gouge 3 cm. wide)
L	359.3	359.9			5BØ	Chaotic (rotated?) block between two clayey fault gouges. Light to moderate grey phyllite with 20% off-white quartz-calcite laminae following S_1, S_2. Chaotic appearance. Moderately calcareous. CS_2 foliated. (Chaotic). Silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery, RQD. Sharp fault contacts at upper (clayey fault gouge 3 cm. wide at CA 45°) and lower (clayey fault gouge Ø.5 cm wide at CA 30°) contacts. S_2 at lower contact (40°-60°) thin blocks above, below (CA 70°-CA 90°). Chaotic appearance may be due to drag folding. C, S-structures.
L	359.9	369.7			5BØ	(1ØQ#: 5C7: 5EØ) 95:Ø3:Ø2: TRACE. Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and P_{S_2} foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods, bands parallel S_2. Very good core recovery. Good RQD. Blocky core at 364.4. Sharp upper fault gouge contact at CA 30°. Sharp lower contact at CA 40° (clayey fault gouge Ø.5 cm. wide). White-grey bull quartz-calcite concordant bands (veins? beds?) subparallel S_2 are moderately calcareous, hard and have sharp contacts with 5BØ. Contain xenoliths of country rock. Chloritic-banded metabasite at 363.Ø-363.1 has relict porphyritic igneous texture overprinted by S_2, is calcareous, and have sharp contacts with 5BØ, 5EØ.

DDH 91UY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	3697	3700			5FØ	Rotated block between two fault gouge Chaotic, slightly chloritic phyllite/siltstone with S_2 at lower CA than blocks above, below. Minor healed breccia, polymict with subround, elongate clasts 1-2cm long of 5BØ, 5EØ. Strongly calcareous. CS_2 and PS_2 foliated. Moderately soft. Sharp fault gouged upper (CA 40°; clayey; Ø.25cm wide), lower (CA 25°; clayey; Ø.1cm. wide).
L	3700	3797			5BØ	(5BØ2 : 100# : 5EØ) 60 : 35 : Ø5 : TRACE Light to medium phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately soft. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods and laminae parallel S_2. Trace euhedral-cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods, bands, laminae parallel S_2. Very good core recovery. Good RQD. Blocky core at 37Ø.Ø-37Ø.3. Gradational upper/lower contacts parallel S_2. Dark grey slightly carbonaceous phyllite interbeds, interlaminae parallel S_2 are moderately calcareous, soft and have gradational contacts with 5BØ. White-grey quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2. Blue-grey phyllitic marble interbeds are very calcareous, moderately soft and have fairly sharp contacts with 5BØ, 5BØ2.
L	3797	3833			5BØ2	(5BØ : 100# : 5C8) 45 : 4Ø : Ø4 : Ø1 Dark to medium grey weakly carbonaceous phyllite with 7% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey fracture surfaces. Moderately soft to soft. Trace euhedral-cubic

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DDH 91-44-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						pyrite within quartz-calcite pods, bands parallel S_2. Trace euhedral-cubic pseudomorphs (after pyrite) within quartz-calcite pods, bands parallel S_2. Very good core recovery. Good core recovery. Gradational upper, lower contacts parallel S_2
						Light to medium grey phyllite interbeds, interlaminae parallel S_2 are moderately calcareous, moderately soft, and have gradational contacts parallel S_2.
						White-grey quartz-calcite concordant bands (beds? Veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5BØ.
						Chloritic metabasite at 383.1-383.15 has relict slightly porphyritic igneous texture with little S_2 overprint; is moderately calcareous and moderately hard, and has sharp contacts with 5BØ2, 5BØ (Upper, lower contacts at CAØ=90° convoluted and CA=85°; respectively.
L	383.3	385.6			5BØ2	BLOCKY TO RUBBLY, CLAYEY GOUGES.
						Dark grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic (1-2 cm. dia.) pyrite along quartz-calcite pods and bands parallel S_2. Good core recovery. Blocky to rubbly core at 383.3-384.4, 385.2-385.6. Clayey gouges at 383.4-383.45 (CA angle difficult to discern), 384.Ø. Gradational upper, lower contacts parallel S_2.
L	385.6	388.9			5BØ	(5BØ2:1ØQ#) 6Ø:37:Ø3
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous; CS_2 and PS_2 foliated. Silvery grey

DDH 91V-02

CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
						S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Trace euhedral-cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands; core replacement of pyrite by pyrrhotite seen at 386.8. Good core recovery. Fair to poor RQD. Blocky core at 387.1-387.7, 388.4-388.5. Gradational upper, lower contacts parallel S_2.
L	388.9	390.2			5B6	(5B62) 70:30
						Light to medium grey phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2 // S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace to 1% euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 388.9-389.0, 389.7-389.9. Gradational upper, lower contacts parallel S_2.
						Dark to medium grey weakly carbonaceous phyllite interbeds, interlaminae parallel S_2 are weakly calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contact with 5B6
L	390.2	397.2			5B0	(5B02:100#) 65:30:05
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2 // S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky to rubbly core at at 390.2-390.3, 391.0-391.3, 392.3-392.5, 396.2-396.5, 396.7-396.8. Gradational upper contact parallel S_2. Sharp lower contact at CA20°.
						Dark to medium grey weakly carbonaceous phyllite interbeds, interlaminae

DDH 91-41-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						parallel S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ.
						White-grey quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2.
L	397.2	399.Ø			5B6	(5B62:100#$) 60:30:10
						Light to medium phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Blocky core at 398.6-399.Ø. Sharp upper contact at Ct 2Ø°. Gradational lower contact parallel S_2.
						Dark to medium weakly carbonaceous phyllite interbeds; interlaminae parallel S_2 are weakly calcareous, CS_2 and PS_2 foliated, and have gradational contacts with 5B6.
						White-grey - dark grey quartz-calcite-dolomite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts at 5B6, 5B62.
L	399.Ø	399.7			5F7.6	(100$) 50:50
						Olive grey weakly chloritic-banded phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. PS_2 and (locally) CS_2 foliated. Olive silvery grey S_2 fracture surfaces. Soft. No sulphides. Very good core recovery, RQD. Gradational upper parallel S_2. Sharp convolute lower contact subparallel S_2 marked by bull quartz-dolomite band.
						White - creamy grey bull quartz-dolomite band (bed? vein?) subparallelling S_2 at 399.5-399.7 is weakly calcareous, hard, and have sharp contacts with 5F76

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DDH 91DY-02 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb.26/91 Logged By: D.Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	399.7	400.0			5B02	(100%) 70:30 Dark to medium weakly carbonaceous phyllite with 5% off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous. PS_2 and (locally) CS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. 1-2% euhedral-subhedral cubic (0.5-2.0 cm. dia.) pyrite disseminated, especially at 399.95-400.0. Good core recovery. Fair RQD. Sharp upper (undulating) contact. Sharp lower contact at CA 80°. White-cream-grey quartz-dolomite concordant bands (beds? veins?) parallel S_2 are weakly calcareous, hard, and have sharp contacts with 5B02.
L	400.0	400.4			5C7	(100%:5D0) 80:15:05 Medium grey v.f.g. aphanitic metabasaltic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by off-white quartz-calcite and olive grey chloritic bands parallel S_2. Moderately soft. No sulphides. Good core recovery. Fair to good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 75°. White-grey quartz-calcite concordant bands (beds? veins?) subparallelling S_1, S_2. are moderately calcareous, hard, and have sharp contacts with 5C7 (marked by olive chloritic phyllite).
L	400.4	400.3			5B6	(5B62:100%) 60:37:02 Light to medium phyllite with 10% off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic (1-2 cm. dia.) pyrite within quartz-calcite pods along bands parallel S_2 at 400.4-400.3.

DDH 91VV-02 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Very good core recovery. Good RQD. Blocky core at 400.4-400.9, 401.4-401.9. Clayey fault gouge at 401.65-401.7; upper, lower contacts both at CA75°.
						Dark to medium weakly carbonaceous phyllite interbeds, interlaminae parallel S_2 are weakly calcareous, moderately soft to soft, and gradational contacts with 5BØ.
						White-grey quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are strongly calcareous, hard, and have sharp contacts with 5BØ, 5BØ2.
L	4043	4183			5BØ	(5BØ2) 8Ø:2Ø
						Light to medium grey phyllite with 20% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (Ø.5-3.Ø cm. dia) within quartz-calcite pods along bands parallel S_2. Trace euhedral-cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Cross-cut by quartz-calcite veinlets at CAØ°-3Ø° near lower contact.
						Dark to medium weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft to soft, and have gradational contacts with 5BØ.
L	4183	4188			5FØ	(1ØQ#) 7Ø:3Ø
						Olive green grey weakly chloritic phyllite with 7% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Cross-cut by quartz-calcite

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 26/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Veinlets at CA 45°.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5FØ.
L	4188	4197			5BØ	
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contacts parallel S_2. Sharp lower contact at CA 85°.
L	4197	42Ø1			5C7	
						Medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by olive grey chloritic bands parallel S_2. Moderately calcareous. PS_2 foliated. Olive grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 8Ø°.
L	42Ø1	42Ø3			5BØ	
						Light to medium grey phyllite with 2Ø% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Sharp upper

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DDH 91V1-02

CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						contact at CA80°. Sharp lower contact at CA75°.
L	42.03	421.7			5C7	(5C8) 70:30
						Medium grey vf-fg. aphanitic metabasitic groundmass, white fg. anhedral (leucoxene?) phenocrysts and black fg. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Olive grey chloritic bands parallel S_2 overprint. Moderately calcareous. PS_2 and (locally) CS_2 foliated. Grey S_2 fracture surfaces. Moderately soft to moderately hard. Upper, lower chill margins. Very good core recovery. Good RQD. Sharp upper contacts at CA75°. Sharp lower contact at CA70°.
						Pervasively chloritic metabasite is olive grey and occurs towards the core of the unit.
L	421.7	425.0			5B0	(5B02) 80:20
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, $S_2//S_2$. Moderately calcareous. CS_2 to PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA70°. Gradational lower contacts parallel S_2.
						Dark to medium weakly carbonaceous phyllite interbeds, interlaminae parallel S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5B0.
L	425.0	425.5			5F0	(1QQ#) 60:40
						Olive green-grey weakly chloritic phyllite with 5% off-white quartz-calcite

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 27/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
						siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair to poor RQD. Rubbly core at 425.2-425.3. Gradational upper-lower contacts parallel S_2.
						White-grey quartz-calcite concordant bands (beds? veins?) parallel S_2 are moderately calcareous, hard and have sharp contacts with SRP.
L	4255	4283			5B0	
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper-lower contacts parallel S_2.
L	4283	4304			5B6	
						Light to medium grey phyllite with 10% off-white quartz-calcite laminae/beds following $S_1, S_2/S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contacts at 070°.
L	4304	4312			5C716	
						Medium grey vfg. aphanitic metabasitic groundmass, white fg. anhedral (leucoxene?)

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CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						off-white quartz-calcite phenocrysts within relict porphyritic igneous texture. Overprinted by ↑ olive chloritic bands parallel S_2. Weakly calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately hard (weakly siliceous). No sulphides. Minor healed oligomict breccia at ~30.6 along quartz-calcite band. Very good core recovery, RQD. Sharp upper contact at ~70°. Sharp lower contact at ~80°.
L	4312	4316			5B6	
						Light to medium phyllite with 5% off-white quartz-dolomite laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at ~80°. Gradational lower contact parallel S_2.
L	4316	4342			5BØ	(5BØ2: 100#), 60:35:05
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Trace euhedral cubic pyrite as quartz-calcite pods along bands parallel S_2.
						Darker grey weakly carbonaceous phyllite interbeds, interlaminae parallel S_2 are moderately calcareous, moderately soft to soft, and have gradational contacts with 5BØ.
						White-grey quartz-calcite concordant bands (beds? veins?) subparallel S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2.

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	434.2	438.3			SC8	(5BØ2 : 1ØQ#) 49:48:Ø3
						Olive grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weak S_2 overprint as off-white quartz-calcite bands, laminae parallel S_2. No sulphides. Very good core recovery. Good RQD. Blocky to rubbly core at 435.3-435.5. Gradational upper, lower contacts parallel S_2. Individual metabasites have sharp contacts with 5BØ2 parallel S_2. Occur at 434.2-434.5, 434.6, 437.1, 437.15, 435.6, 437.Ø, 437.3, 437.7, 437.2-437.3, 437.4-437.5, 437.7, 438.Ø, 438.2-438.3
						Dark grey weakly carbonaceous phyllite with 1Ø% quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft. Trace euhedral pyrite and euhedral-pyritohedral pyrite within quartz-calcite pods within bands parallel S_2. Very good core recovery. Good RQD. Blocky core at 435.3-435.5. Sharp contacts with SC8.
						White-grey buff quartz-calcite concordant bands (beds? veins?) subparallel to S_2 foliation. Moderately calcareous, hard and have sharp contacts with 5BØ2.
L	438.3	449.4			5BØ	(5BØ2 : 1ØQ#) 65:3Ø:Ø5
						Light to medium grey phyllite with 15% off-white quartz-calcite laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Euhedral cubic pyrrhotite (after pyrite) within quartz-calcite pods along bands parallel S_2 below 443.Ø. Minor heated breccia at 440.5.
						Darker, more carbonaceous phyllite interbeds, interlaminae parallel S_2 are moderately calcareous, moderately soft to soft, and have gradational contacts with 5BØ2.

DDH 91UV4-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 28/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallel S_2 are very calcareous, hard, and have sharp contacts with 5BØ, 5BØ2. Xenoliths of 5DØ. Pyrrhotite rim replacement of pyrite at 449.1.
L	449.4	453.2			5BØ	(5BØ2:1ØQ#) 6Ø:35:Ø5 Light to medium grey phyllite with 15% offwhite quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic and euhedral-pyritohedral pyrite (1-2cm. dia.) within quartz-calcite pods along bands parallel S_2; rim replacement by pyrrhotite. Good core recovery. Ø.1m. core loss at 45Ø.9-451.5. Good to fair core recovery. Blocky to rubbly core at 45Ø.9-451.5. Blocky core at 453.9-454.2. Gradational upper, lower contacts parallel S_2. Darker grey weakly carbonaceous phyllite interbeds; interlaminae are moderately calcareous, moderately soft to soft, and have gradational contacts with 5BØ. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts with 5BØ, 5BØ2.
L	453.2	454.7			5BØ	BLOCKY TO RUBBLY. CLAYEY FAULT GOUGE. Light to medium grey phyllite with 15% offwhite quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Poor core recovery. Approx. 1.Øm. core loss at 453.2-454.7. Poor RQD. Blocky core throughout. Rubbly core at 454.1-454.4. Clayey fault gouge at CA 6Ø° at 454.7. Gradational upper contact parallel S_2. Sharp lower fault-related contact at CA 75°.

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CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	454.7	467.2			5BØ	&1 (5EØ:100#) 98:Ø2:TRACE
						Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 // S_2. Moderately to strongly calcareous (locally quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft to moderately hard (where silicified — 461.2m., 467.6m, etc.). Soft at 466.1–466.5. Trace euhedral-cubic and euhedral-pyritohedral pyrite within quartz-calcite pods along bands parallel S_2; rim replacement of pyrite by pyrrhotite is frequently seen. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 454.8–452.2, 466.1–466.5. Gradational upper, lower contacts parallel S_2. 464.4–464.5
						Blue-grey phyllitic marble at 459.6, 461.Ø, 463.6, 467.15 interbeds, interlaminae are very calcareous, CS_2 and PS_2 foliated, moderately soft, and have fairly sharp contacts following S_1, S_2
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts with 5BØ, 5EØ.
L	467.2	471.5			5BØ	(5BØ2:100#: 5EØ) 6Ø:35:Ø3:Ø2
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2 // S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (1-2cm dia.) within quartz-calcite pods along bands parallel S_2; rim replacement of pyrite by pyrrhotite is frequently seen. Very good core recovery. Good RQD. Blocky core and minor healed oligomict breccia at 469.3–469.8. Gradational upper, lower contacts parallel S_2.
						Darker grey slightly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, CS_2 and PS_2 foliated, moderately soft, and have gradational contacts with 5BØ.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts with 5BØ, 5BØ2, 5EØ.

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CURRAGH RESOURCES INC.

Lithologic Log

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Blue-grey phyllitic marble interbeds, interlaminae following S_1, S_2 are very calcareous, moderately soft, and have fairly sharp contacts with 5BØ, 5BØ2.
L	4715	4800			5BØ	
						Light to medium grey phyllite with 20% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately to strongly calcareous (locally, quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Rare trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Trace euhedral-cubic (deformed cubic) pyrrhotite pseudomorphs after pyrite (rim replacement frequently seen) within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
L	4800	4837			5BØ2	(10Q#) 98:Ø2
						Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Rare trace euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Good core recovery. Good to poor RQD. Blocky core at 480.4–482.6. Clayey fault gouge at 481.5 at CA 50°. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts with 58Ø2.
L	4837	4850			5BØ	→ 5FØ

DDH 91VI-02

CURRAGH RESOURCES INC.
Lithologic Log

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium phyllite with 10% off-white quartz-calcite laminae/beds following S_1, S_2/S_2; olive greenish tint (chlorite); and late quartz-calcite veinlets at CA 0°-30°. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive S_2 fracture surfaces. Moderately soft. No sulphides. Minor healed oligomict clast-supported breccia at 484.0-484.1, 484.7. Very good core recovery. Gradational upper contacts parallel S_2. Sharp lower contact at CA 70°. More chloritic downhole. Minor SED interbeds at 484.8.
L	485.0	485.9			5C8	
						Olive grey v.fg. aphanitic metabasitic groundmass, white fg. anhedral (leucoxene?) phenocrysts, and black fg. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weak S_2 overprint (off-white quartz-calcite bands, laminae parallel S_2. Hypabyssal (subvolcanic). Moderately calcareous. PS_2 foliated to massive. Olive grey S_2 fracture surfaces. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°. Upper, lower chill margins (dyke, not a sill?).
L						
2	485.9	486.9			5B0	→ 5F0
						Light to medium phyllite with 5% off-white quartz-calcite laminae/beds following S_1, S_2/S_2; olive greenish tint (chlorite); and late quartz-calcite veinlets at CA 0°-30° (following L_3, L_4, L_5?). Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey ± olive S_2 fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Blocky core at 486.7 - 486.9. Sharp upper contact at CA 80°. Gradational lower contact parallel S_2. Possible 0.1m. core loss at 486.7-486.9

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CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	4869	4884			5BØ	(1ØQ#) 95:Ø5 Light to medium grey phyllite with 15% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft. Silvery grey S_2 fracture surfaces. Trace euhedral-cubic pyrite, euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at @ 85°.
L	4884	4887			5C8	(5BØ2:1ØQ#) 6Ø:3Ø:1Ø Olive-grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (Amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Moderately calcareous, PS_2 foliated to massive. Olive grey S_2 fracture surfaces. Moderately soft. 1-2% euhedral-cubic pyrite within quartz-calcite pods along bands parallel S_2. Good core recovery. Sharp upper contact at @ 85°. Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite laminae/beds following S_1, S_2/S_2 at 488.6-488.65. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2, are very calcareous, hard, and have sharp contacts with 5C8, 5BØ2.
L	4887	4890			5BØ	Light to medium grey phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces,

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Code	From	To	Recov.	No.	Unit	Description
						Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 75°.
L	489.00	489.9			5F0	(5C8:10Q#) 60:25:15
						Olive grey weakly chloritic phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite (rim replacement by pyrrhotite) within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good to fair RQD. Blocky core at 489.2-489.3, 489.4-489.5. Gradational upper, lower contacts parallel S_2.
						Olive grey chloritic metabasite at 489.1-489.2 has relict porphyritic igneous texture and S_2 overprint, is moderately calcareous, PS_2 foliated to massive, are moderately soft, and have sharp contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5F0, 5C8.
L	489.9	491.3			5B02	(5F0:10Q#) 70:25:05
						Dark to medium weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. PS_2 to (rarely) CS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Olive grey weakly chloritic phyllite at 490.2-490.3, 490.6-490.7, and 491.1 have 5% off-white quartz-calcite siltstone laminae, beds parallel S_2.

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DDH 91b-1-02 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 28/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						are moderately calcareous, PS_2 foliated, moderately soft, and have gradational contacts with 5BØ2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ2, 5FØ.
L	491.3	492.1			5BØ2	(1ØQ#: 5EØ) 8Ø:15:Ø5
						Dark grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ2.
						Blue-grey phyllitic marble interbed at 491.4-491.5 is very calcareous, moderately soft, and have fairly sharp contacts parallel S_2.
L	492.1	506.7			5BØ	(5BØ2; 5BØ→5FØ: 1ØQ#) 65:3Ø:Ø4:Ø1
						Light to medium phyllite with 7% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pyrite and euhedral-cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands, laminae parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Minor healed breccia at 496.5, 505.Ø.
						Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft to soft, and have gradational contacts with 5BØ.
						Olive grey tinted (weakly chloritic) phyllite occurs at 492.1-492.6.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2.
L	50.67	50.96			5BØ2	(100#) 95:05
						Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2, PS_2 foliated. Dark silvery grey S_2 fracture surfaces. Moderately soft to soft. Trace euhedral-cubic pseudomorphs (after pyrite) pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are very calcareous, hard, and have sharp contacts at 5BØ2.
L	50.96	51.03			5BØ2	RUBBLY-BLOCKY ZONE.
						Dark to medium grey weakly carbonaceous phyllite with 5% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces. No sulphides. Fair to good core recovery. Poor RQD. Blocky to rubbly core throughout. Gradational upper, lower contacts parallel S_2.
L	51.03	52.02			5BØ2	(5BØ: 100#) 50:45:05
						Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2

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Lithologic Log

Date: Feb 28/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and PS_2 foliated. Moderately soft to soft. Trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good to good core recovery. Good to fair RQD. Blocky to rubbly core at 514.3-515.7, 516.0-516.3. Gradational upper, lower contacts parallel S_2.
						Lighter grey phyllite interbeds, interlaminae following S_1, S_2 are moderately calcareous, moderately soft, and have gradational contacts with 5B02.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5B02, 5B0.
L	5202	5212			5B02	BLOCKY TO RUBBLY ZONE.
						Dark to medium grey weakly carbonaceous phyllite with 10% off-white siltstone quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Dark silvery grey S_2 fracture surfaces (no graphite). Soft. No sulphides. Good core recovery. Fair to poor RQD. Blocky core throughout. Rubbly core at 520.9-521.2. Gradational upper, lower contacts parallel S_2.
L	5212	5304			5B0	(5B02:10Q#) 60:37:03
						Light to medium grey phyllite with 10% off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey S_2 fracture surfaces. Moderately soft. Trace euhedral-cubic pseudomorphs (after pyrite) of pyrrhotite within quartz-calcite pods along bands parallel S_2. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2. Minor healed oligomict clast-supported breccias at 527.0, 528.8. Limonitic stains.
						Darker grey weakly carbonaceous phyllite interbeds, interlaminae following S_1, S_2

DDH 91KK-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 28/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						are moderately calcareous, soft, and have gradational contacts with 5BØ.
						White-grey bull quartz-calcite concordant bands (beds? veins?) subparallelling S_2 are moderately calcareous, hard, and have sharp contacts with 5BØ, 5BØ2.
						→ 5B4
L	5304	5330			5B62	(5B6 : 10Q$) 60:35:05
						Dark to medium grey weakly carbonaceous phyllite with 10% off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_3. Weakly calcareous. Dark silvery grey fracture surfaces. Moderately soft to soft. Moderately soft to soft. No sulphides. Limonitic stains (ochre-coloured). Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 45°. Weak yellowish sericitization?
						Lighter grey phyllite interbeds, interlaminae following S_1, S_2 are weakly calcareous, moderately soft, and have gradational contacts with 5B62.
						White-grey ±cream bull quartz-dolomite concordant bands (beds? veins?) subparallelling S_2 are weakly calcareous, hard, and have sharp contacts with 5B62, 5B6.
						CONTINUED ON NEXT PAGE

DDH 91DY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

ORE

Date: JAN 91 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	533.0	534.7			AE9	
						Brassy yellow massive pyritic unit is noncalcareous and hosts a very rare poorly defined banding. Unit supports rare fracture fillings and wisps of Zn mineralization. Rock is hard moderately broken with good recovery. Upper contact is sharp and oriented parallel strong shear fabric of upper unit. Lower contact is sharp at 37° TCA and strongly disrupted by clast supported breccia. Calcite is infilling breccia
	534.7	535.0			AE4	
						Purplish brown unit is strongly Zn+Pb mineralized and displays a moderately strong clast supported breccia fabric with poorly rotated fragments. Remobilized Pyrite clots and stringers is common within calcite fillings. Unit is massive and displays no obvious banding. Rock hosts < 15% Pyrite. Rock is hard to slightly hard & unbroken. Upper and lower contacts are sharp with upper contact @ 37° TCA and lower @ 55° TCA // banding of lower unit.

DDH 91-WY-02 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

GTC

Date: JAN 91 Logged By: T. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	535.0	535.2			4EO	
						Light-grayish locally brassy yellow, non-calcareous unit hosts 15% disseminated pyrite commonly defining banding at 55° TCA. Pb+Zn mineralization is rare but does occcurs sparingly over the first 5.0 cm, of interval. Unit is very hard very silicious & unbroken. Upper and lower contacts are parallel banding.
	535.2	540.1			5B1	± → 4L1*
						Medium gray, moderatly calcareous phyllite displays a poorly preserved CS_2 fabric locally $CS_2 \Rightarrow FS_2$. Unit is moderated to strongly silicified and locally sericitically altered and faintly resembling 4L1*. Unit lacks detectable Pb+Zn mineralization. Upper contact is sharp and oriented parallel S_2 and banding of upper unit. Lower contact is sharp and parallel S_2.
	540.1	540.9			4LO	±1(4EO) 83 : 17
						Yellowish buff non-calcareous phyllite is strongly altered to 4LO and moderatly silicified above 10cm band of 4EO at 540.3 - 540.4. 4LO hosts 10% disseminated bands of Po (<1.0cm) parallel S_2. No dectabl. Pb+Zn mineralization occurs in the 4LO. 4EO is Brassy yellow non-calcareous and displays no vissible. Pb+Zn mineralization

C.R.I. 1987 F-7A

DDH 91-04-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN '91 Logged By: J. Zsectnoth

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Rock is moderately soft where no silicification or 4LO exists. Recovery is good, with strong to moderate breakage at core. All contacts are sharp and parallel S_2.
	540.9	541.5			5Bbl	± → 4LO
						Light to medium gray phyllite is non-calcareous moderately to strongly silicified and hosts 0-1% clotty disseminated bands of Po oriented parallel S_2. Unit displays a very weak alteration approaching 4LO. No visible Pb+Zn mineralization. Rock is strongly broken, hard and has good recovery. Upper and lower contacts are sharp and parallel S_2.
	541.5	542.9			5A1Q	1
						Very dark gray, non-calcareous PS_2 foliated, slightly hard with S_2 surfaces sporadically slightly tarnishy, fingers dark gray to black. Unit hosts trace-1% scattered Po clots and wisps. Rock is slightly silicified, slightly hard and moderately to strongly broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2.

C.R.I. 1987 F-7A

DDH 91DY-02 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JAN'91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	542.9	544.0			5B64	1
						Light gray, noncalcareous phyllite is PS_2 foliated and very weakly silicified. Unit is moderately to strongly bleached and lacks sericite development. Interval contains a slight translucent appearance often associated with silicification but unit is slightly to moderately soft. Py is sporadic and constitutes < 1% of interval. Rock is moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	544.0	545.1			5A0	± 1 ± (4A0) 75:25
						Very dark gray to black, non-calcareous very rarely weakly to moderately calcareous over widths < 2.0cm, PS_2 foliated unit is sporadically silicified. S_2 surfaces commonly tarnish fingers black. AT 549.8 - 549.9 unit hosts 4A0 which displays good ribbon banded texture, strong silicification but mineralization is limited to Py and 0-trace Sph. Interval is slightly soft where silicification is absent, generally moderately broken rarely strongly broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2.

C.R.I. 1987 F 74

DDH 91DY-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: JAN 91 Logged By: J. Zbectnak

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	545.1	549.8			4CO,	(4LO) 95:05
						Light to medium gray, non-calcareous quartzite hosts 20-25% pyrite in disseminated bands 0.5-1.5cm wide following S_2. Unit hosts 5-7% ≤0.5 cm bands of 4LO scattered throughout, but slightly more common over lowest 50cm of interval. Rock is moderate hard, slightly broken and has good recovery. Upper contact is sharp and parallel S_2. Lower contact is centered on a gradational zone where bands of 4LO become more common than 4CO over 1.5 meters.
	549.8	552.3			4LO*	(4CO) 85:15
						Light greenish-gray to buff, weakly to moderately calcareous phyllite is PS_2 and locally CS foliated. Unit is intermixed with 4CO on the cm scale, but at upper and lower contacts. 4CO bands are 0.5-1.5 cm wide, hard and host 2-5% pyrite. 4LO locally hosts trace -1% wisps of fuchsite indicating PS_2 foliated portions may have a 5CO origin (?) Rock alternates from moderately soft to moderately hard - dependent on 4CO bands. Core is moderately broken with good recovery. Upper contact is gradational over 70cm with 4CO becoming more dominate uphole. Lower contact is also gradational but is marked by the first occurance

C.R.I. 1987 F 7

DDH 91-DY-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN '91 Logged By: J. Zeeuwen

Code	From	To	Recov.	No.	Unit	Description
						of 4CO. Interval from 550.6 - 552.3 hosts very minor 4CO. All contacts with 4LO* and 4CO are sharp and parallel S_2.
	552.3	563.2			4CO	(4LO) trace Medium to light gray and brassy yellow non-calcareous unit is moderately to strongly silicified and hosts 20-25% disseminated pyrite occuring in well defined bands 0.5 - 2.5 cm wide and oriented parallel S_2. Interval contains very rare wisps and bands of 4LO which do not exceed 1.0 cm. Unit does contain visible Pb+Zn mineralization. Rock is hard, slightly to moderately broken and has good recovery. Upper contact is gradational over 30 cm and consists of a mixed series of 4LO* and 4CO in cm scale bands. Lower contact is sharp and parallel S_2.
	563.2	564.5			5BO	±2 ±1 (5A6) trace wisps Medium gray locally slightly dark gray, non-calcareous unit is PS_2 foliated and hosts a weak carbonaceous content. Scattered throughout interval are wisps and very narrow bands (<3mm) of 5A6. Unit is slightly siliceous rarely unsilicified. Unit host trace - 2% P_y and P_o. Rock is strongly broken, generally slightly hard with good recovery. Upper and lower

CRI 1987 F-7A

DDH 91DY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN '91 Logged By: J. Sedgwick

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contacts are sharp and parallel S_2
	564.5	564.9			15A161	(10Q Aspy) 98:02
						Dark gray non calcareous unit is strongly silicous with a weak PS_2 fabric and a strong overprinting breccia texture dominated by Po matrix, minor Py, cpy and ± sph(?) also exist. Unit contains 2-3cm of gouge which strongly tarnishes fingers black. Lower contact is marked a a 2cm white quartz vein subparallel S_2. Vein contains a 0.5cm band of massive Aspy (?), and trace stringers and clots of Po, Py and Cpy. Rock is hard, moderately broken with minor gouge. Recovery is good. Upper and lower contacts are sharp and parallel to S subparallel S_2
	564.9	569.5			15B116	9 Py Po (4LO ± 1) 95:05
						Light gray non-calcareous phyllite displays well developed CS_2 fabric and is strongly silicified. CS_2 fabric is defined by strongly Po - Py ± Sph(?) S_2 bands 2-5mm wide. 4LO is common but is generally limited to wisps along S_2 surfaces and less commonly as weakly silicified bands upto 1cm wide. Rarely 4L rock type is non-silicious. Interval hosts 7-10% of the mineralized S_2 bands. Rock is hard, moderately broken - consistantly along 4LO wisps. parallel S_2. Recovery is good. Upper contact with

CRI 1987 F-7A

DDH 91DY-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN '91 Logged By: J. Zbednak

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						vein is subparallel S_2. Lower contact is gradational over 40cm and noted as an increase in abundance and width of S_1 mineralized bands down hole.
	569.5	574.1			5B1.9	P_o P_y (4LO±1) 95:05
						Light gray non-calcareous phyllite displays a well developed CS_2 fabric, is strongly silicified and is identical to upper unit except it hosts 25-30% mineralized bands from 0.2-3.0 cm wide. Thinner bands as well as 4LO±1 (.2-.75 cm) bands define S_1 fabric. Bands >1.5 cm are oriented parallel S_2. Mineralized bands are P_o / P_y dominate with ± sph. Mineralized bands are generally fine grained P_o with undeformed Pyrite porphyroblasts .2-.4 cm in size. Occasionally py porphyroblasts cross mineralized band boundaries into wall rock. Bands have very sharp contacts. Rock is hard, slightly broken with trace 1cm bands of 4LO that are moderately crushed. Recovery is good. Upper contact is gradational over 40cm with more abundant and greater widths in mineralized bands down hole. Lower contact is sharp and parallel S_2.

DDH 91DY-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: JAN 91 Logged By: S. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	574.1	579.1			506	
						Medium to slightly dark gray phyllite is P_2 foliated and hosts 1-2% closely Po. Unit hosts trace quartz-/quartz-dolomite veins commonly 1-1.5cm wide and only one at 8cm wide. Veins are oriented parallel to subparallel S_2. Unit is distinctly homogenous and banding! Po is commonly associated with veins. Rock is slightly to moderately soft, moderately broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact has not been cored. S_2 surfaces do not tarnish fingers
		579.1				END OF HOLE
						Structure:
						ϕS_2 2%

DDH 91DY-02 (2 8) CURRAGH RESOURCES INC. OVC Page ____ of ____

Logged by J. Scrivener

ASSAY LOG (SAMPLER'S COPY) Date JAN '91 Sampled by JZ

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	0	533.0					WASTE
	5331.0	5339.0	652112			4E0	
	5341.0	5344.7	652113			4E0	
	5344.7	5355.0	652114			4E4	
	5355.0	5355.2	652115			4C10	
	5355.2	5371.1	652116			5B1	± → 4L0 *
	5371.1	5389.9	652117			5B1	"
	5389.9	5401.1	652118			5B1	"
	5401.1	5401.9	652119			4L10	
	5401.9	5411.5	652120			5B61	± → 4L0
	5411.5	5429.9	652121			5A0	1
	5429.9	5440.0	652122			5B64	
	5440.0	5455.1	652123			5A0	(4A0)
	5455.1	5477.2	652124			4C0	
	5477.2	5499.2	652125			4C0	
	5499.2	5499.8	652126			4C0	
	5499.8	5501.6	652127			4L0 *	(4C0)
	5501.6	5521.3	652128			4L0 *	(4C0)
	5521.3	5541.3	652129			4C0	
	5541.3	5561.9	652130			4C0	
	5561.9	5581.9	652131			4C0	
	5581.9	5601.9	652132			4C0	
	5601.9	5631.2	652133		2.0	4C0	
	5631.2	5641.5	652134			5B0	± (5AL)
ABP-1 ←	5641.5	5641.9	652135			5A61	
	5641.9	5661.7	652136			5B116	
	5661.7	5681.1	652137			5B116	
	5681.1	5719.9	652138			5B116	
	5701.9	5721.4	652139			5B119	
	5721.4	5741.1	652140			5B119	
							END OF HOLE

DDH 91-DY-02 (2 / 8)

CURRAGH RESOURCES INC.

Structural Log

Page A of _____

Date: Feb '91 Logged By: J. Exeter

Code	From	To	Feature	Sym	Bed/L 3 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		9.4	PS2				74	
		11.6	PS2		065		77	
		19.0	CS2	S	907	25 005	69	
		25.4	CS2	S	033	20 034	67	
		31.7	CS2	Z	0.012	10 197	84	
		35.6	CS2	Z	—	16 180	85	
		40.3	CS2	Z	900	32 170	85	
		46.5	PS2				84	
		51.0	CS2	S	980	19 080	78	
		58.7	PS2		060	—	84	
		64.0	PS2		921	—	82	
		70.3	PS2		—	—	82	
		74.7	PS2		034	—	79	
		80.6	PS2		—	—	76	
		86.7	PS2		—	—	82	
		90.5	PS2		—	—	86	
		97.7	PS2		050	—	80	
		104.7	PS2		—	—	80	
		110.0	PS2		—	—	78	
		113.0	PS2		—	—	78	
		119.8	PS2		—	—	81	
		125.1	PS2		911	—	66	
		128.9	PS2		010	—	70	
		136.1	CS2	S	005	14 005	52	
		141.7	PS2		077	—	70	
		146.7	PS2		005	—	68	
		151.6	PS2		—	—	88	
		158.0	CS2	Z	055	19 234	85	—
		162.9	CS2	Z	018	33 270	76	—
		167.6	CS2	Z	005	30 142	75	—
		168.6	CS2	S	131	46 321	67	—
		175.6	CS2	Z	088	55 084	78	—
		180.0	CS2	S	019	43 012	81	—
		184.2	CS2	S	025	48 012	78	—
		189.5	CS2	S	172	24 000	73	— DD2
		198.2	CS2		142	46 057	85	—

DDH 91DY-02 (2 8)

CURRAGH RESOURCES INC.

Structural Log

Page A of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		2051	CS2S		231	55 151	83	
S		2109	CS2Z		049	14 295	88	
S		2152	CS2S		026	53 042	80	
S		2193	CS2S		155	10 345	65	
S		2269	CS2Z		148	22 145	85	
S		2337	CS2Z		072	63 080	83	
S		2365	CS2S		168	080 000	84	DD_2
S		2426	CS2Z		133	42 287	72	
S		2494	CS2Z		042	38 126	85	
S		2539	CS2S		146	34 000	76	DD_2
S		2599	CS2S		144	32 326	73	
S		2670	CS2S		163	76 000	72	DD_2
S		2698	CS2S		156	40 000	80	DD_2
S		2769	CS2Z		042	30 071	87	
S		2857	CS2Z		085	17 114	83	
S		2884	CS2Z		159	24 161	81	
S		2973	CS2S		048	21 025	81	
S		3031	CS2S		016	68 000	84	DD_2
S		3046	CS2S		126	44 304	84	
S		3075	CS2Z		061	26 298	84	
S		3132	CS2S		149	44 332	75	
S		3161	CS2S		144	37 002	74	DD_2
S		3219	CS2S		157	24 328	81	
S		3305	CS2S		164	57 000	75	DD_2
S		3379	CS2Z		165	37 159	80	
S		3433	CS2Z		151	73 144	86	
S		3464	CS2S		176	46 340	78	
S		3543	CS2S		056	68 271	86	
S		3579	CS2Z		056	44 287	80	
S		3611	CS2S		176	05 000	85	DD_2
S		3682	CS2S		148	13 000	65	DD_2
S		3753	CS2S		039	17 012	71	
S		3828	CS2Z		089	35 071	77	
S		3881	CS2Z		078	10 081	85	
S		3921	CS2Z		069	58 283	85	
S		3950	CS2Z		145	53 152	81	

DDH 91DY-02 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

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

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		40.47	CS2	S	— 044	47 018	67 —	
S		40.95	CS2	S	— 167	27 000	78 —	DD_2
S		41.50	CS2	Z	— 035	79 050	70 —	
S		42.13	PS2	—	— —	— —	77 —	507 Metabasite-chl. banded
S		42.66	CS2	Z	— 063	44 069	87 —	
S		43.35	CS2	S	— 051	30 048	81 —	
S		43.78	CS2	Z	— 076	45 084	81 —	
S		44.38	CS2	S	— 020	10 006	60 —	
S		44.93	CS2	Z	— 073	27 079	84 —	
S		45.65	CS2	S	— 168	09 010	78 —	
S		45.98	CS2	S	— 159	21 333	85 —	
S		46.40	CS2	S	— 164	31 327	74 —	
S		46.92	CS2	S	— 049	57 215	83 —	
S		47.51	CS2	S	— 114	40 210	80 —	
S		48.27	CS2	S	— 027	42 010	77 —	
S		49.10	PS2	—	— —	— —	80 —	
S		49.68	CS2	S	— 103	48 014	82 —	
S		49.83	CS2	Z	— 083	35 164	76 —	
S		50.78	CS2	Z	— 039	33 118	75 —	
S		51.19	CS2	Z	— 169	20 147	76 —	
S		51.69	CS2	S	— 151	54 339	83 —	
S		52.58	CS2	S	— 115	30 328	76 —	
S		52.71	CS2	—	— 087	35 071	78 —	
S								
S								

DDH 91DX-02 (2 / 8)

CURRAGH RESOURCES INC.

Structural Log

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Date: _____ Logged By: _____

Code	From	To	Feature	Sym	Dip	Dip Direct.	S_1 Dip	S_1 Dip Direct.	S_2 Dip	S_2 Direct	Description
1	10 14	16 20	22 24	26	28 32		34 38		40 44		
	561										
	567.8		CS	2S	—		19	296	74		
		571.7	CS	2			25	212	79		
		578.7	PJ	2		130	—		76		
											EOH

C.R.I. 1987 E – 4

DDH 91DY-02 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

Page A of _____

Date: Feb '91 Logged By: F. Sheridan

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	
	90.0	51.4						No structural problems
	51.4	58.5						strongly broken // S_2, very rare gouge @ 54 with CA
	68.9	72.6			32 130			strongly broken // S_2, upper contact 1cm gouge
	81.2	81.4			43 040	33 ~~040~~		healed shear fabric. C bands @ 33, S bands @ 16°
	81.4	88.3				28 900		strongly broken // S_2, rare gouge < 1cm
	96.9	97.2						crushed and gouge - no orientation
	98.4	99.4						strongly broken // S_2
	99.4	102.5				25 038		crushed above 101.2 weakly healed shear fabric to 102.5. C bands 22°, S bands 05.
	115.1	117.2						Very strongly broken // S_2
		131.4				22 000		Weak shear < 1cm

DDH 91-04-02 (2 / 8) CURRAGH RESOURCES INC. Page 8 of _____

Fault Log Date: Feb '91 Logged By: P. Beckett

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	
		1313.0				30 000		weak shear < 3cm
	1511.8	1512.2						crushed
		1533.5				28 000		weak shear, well healed (1cm). 5 bands 12° wrt CA 2 bands @ 28 wrt CA
F	1895	1897	1B					Blocky. Upper, lower contacts at CA 79°, CA 90° ; respectively.
F	1902	1904	1B					Blocky. Upper, lower contacts at CA 72°, CA 74° ; respectively.
F	1920	1921	1R					Rubbly. Upper, lower contacts at CA 87°, CA 77° ; respectively.
F	2176	2184	2B					Blocky. Upper, lower contacts at CA 77°, CA 50° ; respectively.
F	2196	2202	2B					Blocky. Upper, lower contacts at CA 63°, CA 90° ; respectively.
F	2244	2247	1B					Blocky. Upper, lower contacts at CA 80°, CA 83° ; respectively.
F	2581	2595	2B					Blocky. Upper, lower contacts at CA 80°, CA 76° ; respectively.
F	3480	3481	1GR		87 008			Clayey fault gouge. Rubbly. Fault plane at CA 26° and 008°/87° to S_2 strike.
F	3490	3504	2BR					Blocky-rubbly. Upper, lower contacts at CA 89°, CA 45° ; respectively.

DDH 91DY-02 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	350 3	350 5	7 B R					Blocky-rubbly. Upper, lower contacts at CA 66°, CA 76°, respectively.
F	351 0	353 6	3 R B					Rubbly-blocky. Upper, lower contacts at CA 68°, CA 81°, respectively.
F		359 3	2 G			85 007		Clayey fault gouge at CA 45°. Fault plane at 007°/85° to S_2 strike. Slickensides subparallel S_2 strike. Above rotated block.
F		359 9	2 G			85 012		Clayey fault gouge at CA 35°. Fault plane at 012°/85° to S_2 strike. Below rotated block. C structure at CA 68°. S structure at CA 54°. C structure dips 37° to S_2 strike. S structure dips 54° to S_2 strike.
F		369 7	1 R X					Clayey fault at CA 44°. Breccia. Fault plane at 57° to S_2 strike.
F		369 8	1 R X					Clayey fault at CA 22°. Breccia. Attitude relative to S_2 strike not measurable.
F	383 3	384 3	3 R Q					Blocky-rubbly. Clayey gouge at 383.4 (attitude not discernible). Upper, lower contacts at CA 84°, CA 84°; respectively.
F	387 1	387 7	2 B					Blocky. Upper, lower contacts at CA 25°, CA 63°; respectively.

DDH 91DY-02 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	4016	4019	2G					Clayey fault gouge at CA64°. Fault plane is curvilinear. Doesn't permit attitude measurement relative to S_2 strike.
F	4253	4254	1B					Blocky, Pyritic. Upper, lower contacts at CA64°, CA68°; respectively
F	4532	4537	2B					Blocky, Clayey gouge. Upper, lower contacts at CA81°, CA72°; respectively
F		4537	1G			49 133		Clayey gouge at CA53° at 49°/133° to S_2 strike. Ø.1cm wide (max.)
F	4661	4662	1B					Blocky. Upper, lower contacts at CA86°, CA73°.
F		4665	1G			85 170		Clayey gouge at CA47°, 1cm. wide. Fault plane at 170°/85°.
F	4693	4697	2BX					Blocky - minor heated breccia. Upper, lower contacts at CA30°, CA60°.
F	4810	4816	2B					Blocky. Upper, lower contacts at CA85°, CA52°.
F		4815	2G			66 162		Clayey gouge. Upper, lower contacts at CA54°, CA58°. Fault plane at 162°/66° to S_2 strike.

DDH 91DY-02 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Fault Log

Date: Feb. 28/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
	1 10 14	16 20	22 24	26	28 32	34 38	40 44	
F	489 1	4896	2B					Blocky. Minor healed breccia. No gouge. Upper, lower contacts at CA 67°, CA 80°; respectively
F	5096	5103	2B					Blocky. No gouge. Upper, lower contacts at CA 82°, CA 82°; respectively.
F	5143	5163	3B					Blocky. No gouge. Upper, lower contacts at CA 60°, CA 88°; respectively. Minor healed breccia
F	5205	5212	2B,R					Blocky to rubbly. No gouge. Upper, lower contacts at CA 80°, CA 79°; respectively.
			CONTINUED					
			ON NEXT PAGE					

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-02

Units: Feet / Metres Date: FEB 5/91 Logged By: J. Sherlock Page A of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES WRT CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
4.6	CASING																		
4.9	0.1	0	R_2	6	2	2	12	10	J					8	12	10	S	NQ	
6.1	1.0	0		5	2									22	12	10	S		
6.7	0.3	0		6	2									8	12	6	S		
7.9	0.8	0.1		7	2									18	12	6	S		
11.0	2.9	0.2		9	2	4	16	10	J	3	16	10	J	54	10	6	S		+ minor limonite on fract. surfs
14.0	2.8	0.4		7	2					4	16	6	J	41	10	6	S		
17.1	2.9	0.5		9	2	2	20	10	J	2	12	6	J	41	10	6	S		
20.1	2.9	1.6		10	1	1	20	10	J					32	12	6	S		
23.2	3.0	0.6		9						2	12	6	J	47	12	6	S		
26.2	3.0	1.2		9										43	10	6	S		
29.3	3.0	0.85		9						2	16	6	J	33	10	6	S		
32.3	2.9	0.6		9		3	20	6	J					51	12	6	S		
35.4	2.9	0.75		9										43	12	6	S		
38.4	3.1	1.3		9		1	20	6	J					28	10	6	S		
41.5	3.0	1.0		9										40	12	6	S		
44.5	3.0	1.1		9						3	16	6	J	33	12	6	S		
47.5	3.1	1.3		9		2	16	6	J	2	20	6	J	27	12	6	S		
50.6	2.9	1.2		11		1	16	6	J	2	14	6	J	34	12	6	S		
52.1	1.6	0.1	R_1	6	3	4	14	16	G					24	10	16	S		minor gouge < 1cm
53.6	1.1	0.1	R_1	5	3					2	16	6	J	85	10	16	S/G		
55.3	1.5	0.1	R_2	7	1	1	20	16	J					31	10	10	S		minor gouge on S_2 fracts
56.7	1.0	0		7		1	20	6	J					30	10	10	S		
58.5	1.1	0		5		7	16	6	J					42	10	6	S		crushed from 57.0-58.3
59.4	1.1	0.1		7		1	20	6	J					23	10	6	S		
62.5	3.0	0.2		9		1	20	6	J	3	14	6	S	51	12	6	S		
65.7	3.1	1.0		9		2	16	6	J					35	12	6	S		
68.9	3.0	0.35		7						2	14	10	J	47	10	6	S		
70.1	0.3	0		3										13	12	10	S		rubble and gouge above 69.9

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-02

Units: Feet / Metres Date: FEB 5/91 Logged By: J Thornhill Page B of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES WM CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
71.9	1.6	0	5	R_2	1	1	20	6	J					51	8	6	S		
75.0	2.8	0.3	6			3	12	6	J					62	8	6	S		
78.0	3.0	0.3	6			2	16	6	J					61	10	6	S		
80.8	2.4	0.3	7			1	12	16	G	1	16	6	J	42	10	6	S		gouge coating on fract - rare.
81.7	1.0	0.1	7			2	20	6	J	4	20	6	J	11	12	6	S		
84.1	2.3	0.1	7			1	20	6	J	4	16	6	J	43	10	6	S		
85.7	1.3	0.1	7			2	12	16	G					24	12	10/6	S		local gouge coating on S_2
87.2	1.5	0	6			2	12	6	J	1	20	6	J	54	10	6	S		
90.2	3.0	0.4	6			3	20	6	J	4	14	6	J	61	10	6	S		
93.3	2.9	0.8	7							2	20	6	J	55	10	6	S		
96.3	2.9	0.6	7	↓		1	20	6	J	1	20	6	J	48	10	6	S		
97.2	0.8	0	5/3	R_2/S_2						3	12	10	J	15	10	10	S		crushed rock & Gouge below 96.9
99.4	2.1	0.1	5	R_2	↓	1	16	10	J	2	20	10	J	23	12	6	S		20cm gouge and crushed rock
101.2	0.9	0	4	S_2	5					4	16	10	J	9	12	10	S		90% crushed rock & gouge
104.2	2.9	0.5	7	R_1/R_2	2	8	12	10	J	4	12	10	J	25	12	10	S		treated shear @ 101.2 - 102.5
107.3	3.0	0.4	6	R_2	1					2	14	6	J	55	8	6	S		
110.3	2.9	0.3	7		1					4	14	6	J	55	8	6	S		
113.4	3.0	0.85	7		1					5	16	6	J	45	8	6	S		
115.4	1.8	0.6	9		1	2	12	6	J	4	16	6	J	31	10	6	S		crushed below 115.0
117.2	1.6	0	5		3	6	16	6	J	2	16	6	J	38	8	6	S		60% crushed, 5% gouge
120.4	2.9	1.4	9		1					6	14	6	J	33	10	6	S		
123.4	3.0	0.6	7			2	8	6	J					45	8	6	S		
126.5	3.1	1.1	7/9			3	16	6	J					44	8	6	S		
129.5	3.1	0.5	7			4	16	10	J	9	16	10	J	36	8	6	S		crushed @ minor gouge @ 127.5 - 128.5
132.0	2.2	0.1	6/5			7	20	6/10	J	7	8/16	10	J	34	12	6	S		
133.5	1.6	0.4	7			1	14	16	J	5	12	6	J	8	8	6	S		
135.9	2.4	1.5	11											28	10	6	S		
139.0	2.9	0.7	7	↓	↓	1	12	6	J	3	16	6	J	34					

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-02

Units: Feet / Metres Date: FEB 5/91 Logged By: J. Zyrcudl Page C of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
142.0	2.9	1.0	R2	9	1					10	10	6	S	31	10	6	S	NQ	
145.1	3.0	0.5		9		4	16	10	J	12	12	6	S/J	11	12	6	S		
148.1	3.0	1.3		9		4	20	16	J	6	12	6	S	13	14	6	S		
151.8	3.1	0		6		5	14	6	S	3	20	J	S	54	8	10	S		trace gouge on S_2
152.4	0.6	0		6/4		2	20	6	J					9	10	10	S		crushed above 151.9.
155.6	3.1	0.4		9		3	10	6	J					43	10	6	S		
158.8	3.0	2.15		11		1	16	6	J					21	12	6	S		
161.9	3.1	2.2		11										23	12	6	S		
163.4	1.6	0.8		11										19	12	6	S		
166.4	2.9	0.85	↓	7										43	12	6	S		
169.5	2.9	2.5	R2	11	1	Ø	—	—	—	Ø	—	—	—	25	12	7	S		
172.5	3.0	2.3	R2	13	1	Ø	—	—	—	Ø	—	—	—	20	12	8	S		
175.6	3.0	2.3	R2	14	1	Ø	—	—	—	Ø	—	—	—	17	12	9	S		
178.6	3.0	0.4	R2	10	1	1	16	10	J	1	16	10	S	54	12	3	S		
181.7	3.1	1.8	R2	11	1	Ø	—	—	—	1	16	10	J	32	10	6	S		
184.7	3.0	2.0	R2	12	1	Ø	—	—	—	4	12	10	S	20	12	8	S		
187.8	3.1	1.0	R2	13	1	Ø	—	—	—	3	14	10	J	35	12	8	S		
190.8	3.0	0.3	R2	8	1	Ø	—	—	—	1	16	10	J	80	12	3	S		
191.4	0.5	0.1	R2	9	1	Ø	—	—	—	Ø	—	—	—	8	12	10	S		
192.0	0.4	0.2	R2	12	1	Ø	—	—	—	Ø	—	—	—	4	12	10	S		
193.9	2.1	0.6	R2	9	1	Ø	—	—	—	5	12	10	S	28	13	6	S		
196.9	3.0	0.8	R2	11	1	Ø	—	—	—	Ø	—	—	—	43	12	4	S		
200.0	2.9	1.5	R2	12	1	Ø	—	—	—	Ø	—	—	—	40	12	4	S		
203.0	2.9	1.3	R2	12	1	Ø	—	—	—	2	13	10	S	44	12	4	S		
206.0	3.0	2.1	R2	12	1	1	16	10	J	1	13	10	S	25	12	7	S		
209.1	2.9	2.3	R2	14	1	Ø	—	—	—	3	14	10	J	18	12	9	S		
212.1	3.1	1.1	R2	12	1	Ø	—	—	—	Ø	—	—	—	50	12	3	S		
215.2	2.9	1.2	R2	14	1	Ø	—	—	—	Ø	—	—	—	35	12	8	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-02

Units: Feet / Metres Date: FEB 10/91 Logged By: DRH / JZ Page ____ of ____

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES Nat. CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
218.2	3.0	1.2	R2	13/6	1	0	—	—	—	3	12	10	S	32	12	6	S	NQ	
220.1	1.4	0	R2	8	1	2	16	10	J	5	14	10	JS	25	13	7	SJ		
221.3	1.1	0.2	R2	12	1	2	16	10	J	1	16	10	J	19	12	8	S		
224.3	3.0	1.6	R2	13	1	1	16	10	J	1	16	10	J	37	12	4	S		
227.4	3.0	1.2	R2	13	1	1	17	10	J	1	16	10	J	24	13	7	S		
230.4	3.0	2.6	R2	14	1	0	—	—	—	1	16	10	J	14	12	10	S		
233.5	3.0	1.8	R2	13	1	0	—	—	—	0	—	—	—	31	12	6	S		
236.5	3.1	2.3	R2	14	1	0	—	—	—	0	—	—	—	16	12	6	S		
239.6	2.9	1.9	R2	13	1	0	—	—	—	0	—	—	—	33	12	6	S		
242.6	3.1	1.9	R2	13	1	0	—	—	—	1	16	10	J	34	12	5	S		
245.7	3.1	1.9	R2	14	1	2	13	10	J	0	—	—	—	20	12	8	S		
248.7	3.1	1.7	R2	13	1	2	13	10	J	1	12	10	S	25	12	7	S		
251.8	2.6*	1.4	R2	12	1	1	16	10	J	0	—	—	—	30	12	6	S		*0.5 core missing (driller error)
254.8	3.1	1.6	R2	12	1	1	16	10	J	2	14	10	J	28	12	6	S		
257.4	2.7	2.3	R2	12	1	0	—	—	—	1	12	10	S	14	12	10	S		
260.5	3.2	1.6	R2	11	1	0	—	—	—	3	16	10	J	35	13	5	S		
263.5	3.1	0.9	R2	12	1	0	—	—	—	2	15	10	J	22	12	8	S		
266.4	2.7	2.0	R2	13	1	0	—	—	—	1	14	10	S	17	12	6	S		
269.4	3.1	2.2	R2	12	1	0	—	—	—	0	—	—	—	29	12	6	S		
272.5	3.1	2.6	R2	13	1	0	—	—	—	0	—	—	—	18	12	8	S		
275.5	3.1	2.3	R2	13	1	0	—	—	—	0	—	—	—	22	12	8	S		
278.6	3.1	1.8	R2	12	1	1	16	10	J	1	13	10	J	32	12	6	S		
279.2	0.6	0.1	R2	12	1	0	—	—	—	0	—	—	—	10	12	10	S		
282.2	3.1	2.0	R2	13	1	0	—	—	—	0	—	—	—	25	12	7	S		
285.3	3.1	2.8	R2	14	1	0	—	—	—	0	—	—	—	17	13	9	S		
288.3	3.0	2.4	R2	13	1	0	—	—	—	0	—	—	—	18	13	8	S		
291.4	3.1	1.0	R2	12	1	1	—	—	—	1	14	10	J	46	12	4	S		
294.4	2.5*	0.6	R2	11	1	1	18	10	J	0	—	—	—	47	12	3	S		*0.5 core missing (driller error)
297.5	3.0	2.6	R2	13	1	0	—	—	—	1	12	10	S	18	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-02

Units: Feet / Metres Date: Feb. 25/91 Logged By: D. Halliwell Page ____ of ____

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES WITH CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
300.5	3.1	1.8	R2	13	1	0	—	—	—	1	13	10	J	33	12	6	S	NQ	
303.6	3.1	2.3	R2	13	1	0	—	—	—	3	13	10	J	50	12	3	S		
306.6	3.1	2.5	R2	13	1	0	—	—	—	2	13	10	J	26	12	7	S		
309.7	3.1	2.5	R2	13	1	0	—	—	—	1	14	10	J	23	12	8	S		
312.7	3.0	2.7	R2	13	1	0	—	—	—	0	—	—	—	21	12	8	S		
315.8	3.1	2.7	R2	13	1	0	—	—	—	0	—	—	—	19	12	9	S		
318.8	2.1*	1.9*	R2	12	1	0	—	—	—	0	—	—	—	12	12	10	S		*AMD sample taken (core missing)
321.9	3.1	2.6	R2	13	1	0	—	—	—	0	—	—	—	19	12	9	S		
324.9	3.0	2.1	R2	12	1	0	—	—	—	0	—	—	—	30	13	6	S		
328.0	3.1	2.1	R2	12	1	0	—	—	—	1	14	10	J	28	13	6	S		
331.0	3.0	1.9	R2	12	1	0	—	—	—	1	14	10	J	31	13	6	S		
334.1	3.1	2.3	R2	13	1	0	—	—	—	3	15	10	J	24	12	8	S		
337.1	3.0	2.7	R2	13	1	0	—	—	—	2	14	10	J	19	12	9	S		
340.2	3.1	2.1	R2	12	1	0	—	—	—	2	16	10	J	35	12	7	S		
343.2	3.1	1.2	R2	12	1	0	—	—	—	4	15	10	J	31	13	6	S		
346.3	3.1	2.2	R2	12	1	0	—	—	—	0	—	—	—	30	12	6	S		
349.3	3.0	0.3	R2	11	1	1	16	10	J	3	14	10	J,G	62	12	3	S		clayey fault gouge
350.8	1.6	0.1	R2	7	1	1	16	10	J	2	16	10	J	43	12	4	S		
352.3	1.5	0.0	R2	6	1	1	16	10	J	2	14	10	J	80	12	2	S		
353.6	1.3	0.0	R2	5	1	1	16	10	J	5	14	10	J	47	12	3	S		
355.4	2.2	0.15	R2	8	1	0	—	—	—	0	—	—	—	51	12	2	S		
358.4	3.0	2.3	R2	10	1	0	—	—	—	1	16	10	J	90	12	2	S		
361.5	3.1	1.5	R2	11	1	0	—	—	—	4	14	10	CJ	37	12	7	S		2 clayey fault gouges, rot. block
364.5	3.1	1.4	R2	12	1	0	—	—	—	2	16	10	J	46	12	3	S		
367.6	3.1	1.4	R2	13	1	0	—	—	—	0	—	—	—	41	12	4	S		
370.3	2.8	1.4	R2	12	1	0	—	—	—	2	16	10	J	37	12	7	S		
373.5	3.2	1.9	R2	12	1	0	—	—	—	2	16	10	J	33	12	7	S		
376.7	3.2	2.3	R2	13	1	0	—	—	—	2	16	10	J	18	12	9	S		
379.8	3.1	2.2	R2	13	1	1	16	10	J	2	16	10	J	29	13	6	S		
382.8	3.0	2.0	R2	12	1	0	—	—	—	1	15	10	J	32	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-02

Units: Feet / Metres Date: Feb. 27/91 Logged By: D. Hallirwell Page ____ of ____

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
385.6	2.5	0.0	R1	5	1	4	16	10	J	2	15	10	J	60	12	3	S	NQ	
387.7	2.1	0.8	R2	8	1	0	—	—	—	3	16	10	J	41	13	4	S		
390.8	3.2	0.9	R2	10	1	0	—	—	—	3	17	10	J	75	12	2	S		
393.8	3.1	0.9	R2	8	1	2	14	10	J	3	16	10	J	48	12	2	S		
396.8	3.0	0.0	R2	8	1	1	16	10	J	2	16	10	J	94	12	2	S		
399.9	3.1	1.4	R2	10	1	0	—	—	—	4	16	10	J	39	12	4	S		
401.9	2.0	0.7	R2	8	1	0	—	—	—	1	16	10	J	49	12	3	S		clayey fault gouge
405.1	3.2	1.2	R2	10	1	0	—	—	—	4	16	10	J	39	12	4	S		
408.3	3.2	2.6	R2	12	1	0	—	—	—	0	—	—	—	31	12	6	S		
411.5	3.1	2.2	R2	13	1	1	16	10	J	0	—	—	—	41	12	4	S		
414.7	2.9	1.9	R2	13	1	0	—	—	—	4	14	10	J	23	12	8	S		
417.9	3.2	2.0	R2	13	1	0	—	—	—	1	14	10	J	33	12	6	S		
420.9	3.1	1.7	R2	13	1	0	—	—	—	2	14	10	J	40	12	4	S		
424.0	3.1	1.8	R2	13	1	0	—	—	—	2	15	10	J	42	12	4	S		
427.2	3.1	2.6	R2	12	1	0	—	—	—	1	16	10	J	38	12	4	S		
428.5	1.6	0.9	R2	12	1	0	—	—	—	1	16	10	J	14	12	10	S		
431.6	3.0	1.9	R2	12	1	0	—	—	—	1	14	10	J	26	12	7	S		
434.6	3.0	0.7	R2	11	1	0	—	—	—	2	14	10	J	53	12	3	S		
437.7	3.1	1.2	R2	11	1	0	—	—	—	3	14	10	J	48	12	3	S		
440.7	3.0	2.1	R2	12	1	0	—	—	—	1	15	10	J	26	12	7	S		
443.8	3.1	2.1	R2	13	1	0	—	—	—	3	14	10	S	22	12	8	S		
446.8	3.1	1.3	R2	12	1	0	—	—	—	5	13	10	S	36	12	5	S		
~~449.9~~ 452.9	~~3.1~~ 3.0	~~0.9~~ 0.9	~~R2~~ R2	~~12~~ 11	1	~~0~~ 0	—	—	—	~~3~~ 3	~~14~~ 16	~~10~~ 10	~~J~~ J	~~19~~ 50	~~12~~ 12	~~8~~ 3	~~S~~ S		
456.0	3.1	0.6	R2	11	1	0	—	—	—	1	16	10	J	50	12	3	S		
459.0	3.1	2.5	R2	13	1	0	—	—	—	0	—	—	—	20	12	8	S		
462.1	3.1	2.2	R2	14	1	0	—	—	—	0	—	—	—	25	12	7	S		
465.1	3.0	1.1	R2	13	1	0	—	—	—	0	—	—	—	41	12	4	S		
468.2	3.0	0.6	R2	12	1	0	—	—	—	1	12	10	S	69	12	2	S		
471.2	3.0	1.7	R2	12	1	2	16	10	J	2	14	10	J,S	34	12	6	S		
474.3	3.1	2.0	R2	13	1	0	—	—	—	0	—	—	—	29	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-02

Units: Feet / Metres Date: Mar. 1/91 Logged By: D. Halliwell Page ____ of ____

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
477.3	3.0	1.8	R2	12	1	0	–	–	–	2	16	10	J	29	12	6	S	NQ	
480.3	2.1	0.0	R2	6	1	0	–	–	–	3	14	10	J	24	12	4	S,S		clayey gouge
485.7	3.2	1.7	R2	13	1	2	15	10	J	3	15	10	J	47	12	3	S		
488.9	3.2	1.7	R2	12	1	0	–	–	–	5	14	10	S	41	12	4	S		
489.5	0.6	0.2	R2	12	1	0	–	–	–	1	16	10	J	12	13	10	S		
492.6	3.1	1.5	R2	12	1	1	16	10	J	3	16	10	J	41	12	4	S		
495.6	3.0	2.3	R2	13	1	0	–	–	–	1	16	10	J	40	12	4	S		
498.7	3.0	1.7	R2	14	1	0	–	–	–	1	16	10	J	29	12	6	S		
501.7	3.1	2.5	R2	14	1	0	–	–	–	2	16	10	J	17	12	9	S		
504.7	3.0	2.7	R2	14	1	0	–	–	–	1	16	10	J	17	12	9	S		
507.8	3.0	1.9	R2	14	1	0	–	–	–	0	–	–	–	26	12	7	S		
510.8	3.0	1.4	R2	7	2	0	–	–	–	4	15	10	J	59	12	2	S		
513.9	3.1	1.9	R2	13	1	0	–	–	–	3	14	10	J	34	12	7	S		
515.7	1.3	0.1	R2	6	2	1	16	10	J	3	15	10	J	32	12	6	S		
516.3	0.8	0.1	R2	7	2	0	–	–	–	3	16	10	J	20	12	8	S		
519.5	2.3	1.8	R2	12	1	1	16	10	J	3	16	10	J	32	12	6	S		
521.5	1.8	0.6	R2	9	2	0	–	–	–	5	16	10	J	40	12	4	S		
524.6	3.0	2.1	R2	12	1	0	–	–	–	2	16	10	J	26	12	7	S		
526.1	1.4	0.7	R2	12	1	0	–	–	–	1	14	10	J	18	12	9	S		
529.1	3.1	1.3	R2	11	1	1	15	10	J	1	14	10	J	39	12	4	S		
532.2	3.0	1.7	R2	13	3	1	17	10	J	3	15	10	J	28	12	6	S		

CONTINUED ON NEXT PAGE

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

ORE

A

DDH# 91DY-02

Units: Feet / Metres Date: Jan. 26/91 Logged By: JZ/DRH Page ____ 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	40-60S No	40-60S Rough	40-60S Alt	40-60S Type	60S-90 No	60S-90 Rough	60S-90 Alt	60S-90 Type	COMMENTS
534.3	2.1	0.85	R_1	11	1					6	18	6	J	12	10	6	S	gouge at 532.7-533.0
537.4	3.0	2.1	R_2	11	1					5	12	6	J	10	12	6	S	
540.4	3.1	2.1	R_3	11	1					5	14	6	J	24	10	6	S	
543.6	3.2	0.6	R_3	9	1	1	20	6	J	6	14	6	J	36	12	6	S	
546.7	3.1	1.6	R_3	11	1	0	-	-	-	1	16	6	J	27	12	6	S	
549.9	3.1	2.7	R3	14	1	0	-	-	-	1	15	8	J	15	12	10	S	
552.9	3.1	1.5	R3	11	1	2	18	10	J	2	16	10	J	31	12	6	S	
553.5	06	0.5	R3	13	1	2	14	10	J	1	16	10	J	2	11	10	S	
556.6	2.9	2.3	R3	13	1	0	-	-	-	0	-	-	-	15	11	10	S	
559.3	2.9	1.8	R3	12	1	1	14	10	J	0	13	10	J	26	12	6	S	
562.4	2.9	2.0	R_3	13	1					3	14	6	J	9	12	6	S	
563.9	1.8	1.0	R_3	9	1	1	20	6	J					20	12	6	S	
564.8	0.9	0.1	R_3	7	1	3	20	13	J	3	12	10	J	12	10	10	S	
567.8	3.0	1.25	R_3	9	1					1	14	6	J	31	10	6	S	
570.9	3.1	1.5	R_3	10	1					4	12	6	J	24	8	6	S	
574.1	3.1	2.1	R_3	11	1	1	16	6	J	3	12	6	J	24	12	6	S	
577.3	3.2	1.65	R_2	11	1	3	20	6	J	3	14	6	J	22	12	6	S	
579.1	1.8	0.1	R_2	7	1									31	10	6	S	
																		END OF HOLE

DDH 91ZY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: Apr '91 Logged By: F. Zbeda

Code	From	To	Recov.	No.	Unit	Description
	0.0	6.1			#	CASING (casing pulled)
	6.1	18.6			#	0% Boulders - very poor recovery
	18.6	19.1			5B0	±8 Medium dark gray, weakly calcareous unit is PS, foliated and strongly broken. Rock is moderately silt and slightly to moderately chloritized with a dark chlorite. Recovery is 0% from 18.3-18.6. Lower contact is sharp and parallel S_1. Limonite is rare and weakly developed on fracture surfaces
	19.1	19.8			5B01	±8 (10Q#) 85:15 Medium gray and medium green, moderately calcareous PS foliated rhyolite is generally moderately silicified and hosts 15-20% 0.5-1.0cm quartz-calcite-chlorite veinlets trending 115. Minor limonite coats sporadic fractures. Rock is generally moderately hard, is strongly broken and has good recovery. Upper contact is sharp and parallel S_2. Lower contact is is gradational with a complex repeated sequence of 5D0 and 5B01 ±8 on the 0.5cm scale over 10cm.

C.D.I. 1987 5.7

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 4

Date: April '91 Logged By: B. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
	191.8	201.8			5A6	(10Q#) 95:05
						Medium to light grayish green non-calcareous, fine grained weakly PS_2 foliated and generally textureless. Unit hosts 3-5% cm-dm scale chloritic quartz-calcite veins. Rock is slightly soft to slightly hard, slightly broken and contains very wide limonitic alteration on most fractures. Upper contact is gradational with a complex interbanding of 5D0 and 5B01 ±8. Lower contact is marked by a dm-scale Qz vein.
	201.8	221.6			5FG	(10Q##) 70:30
						Medium green non-calcareous moderately chloritized $PS_2 \rightarrow CS_2$ foliated phyllite hosts 30-35% quartz-calcite veins from 0.5-2.5cm rarely upto 15cm wide. Rock is moderately soft, moderately to strongly broken and has good recovery. Limonite is fairly common and occurs on fractures, rarely invading host rock.
	221.6	261.0			5G6	±3±9 (10Q#) 97:03
						Medium green rarely calcareous metabasite is generally PS_2 foliated but locally displays a poorly developed CS_2 fabric. Unit hosts 0-3%

DDH 91 DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 91 Logged By: J. Zbeetak

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						0.5 - 1.5 cm quartz - calcite veins that at one occurance hosts remobilized Galena. Rock hosts 3-7% fine grained leucoxene. Rock is generally slightly hard to slightly soft, moderately broken and has good recovery. Upper contact is marked by a dim-scale 5° to CA, lower contact is gradational over 3cm with oxidation becoming progressively stronger down hole.
	26.0	28.3			5CH3	8 Limonite Medium green and yellowish brown, moderately to strongly calcareous metabasite is strongly limonited on fractured surfaces and slightly to strongly limonited throughout. Unit is slightly to strongly calcareous, very strongly broken and has fair to good recovery. Upper and lower contacts are gradational with limonite becoming less abundant up and down hole. Unit hosts 7-10% 2-3mm chloritized mafic minerals stretched wrt FS.
	28.3	33.2			5FIQ	±9 (5CO:100)50:50 : trace ± Limonite All units are medium gray and moderately to strongly calcareous. Limonite is sporadic, occuring a weak to moderate coatings on fracture surfaces. Metabasite

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Page 6

Date: April '91 Logged By: J. Zaczek

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and chloritized phyllite bands are on the 20-40cm scale. Phyllite is CS_2 foliated metabasite is PS_2 foliated and hosts 3-7% 2-4mm chlorite crystals stretched // to S_2. Qtz-calcite veins are rare and a single occurrance hosts remobilized Galena @ 28.4. Upper and lower contacts are sharp and // S_2. Units are moderately soft, strongly to very strongly broken and have good recovery.
	33.2	47.6			5C3	±3 ± limonite. Medium to dark green moderately to strongly calcareous weakly PS_2 foliated metabasite. Hosts 2-5% chloritized 2-3mm mafic minerals scattered throughout. Unit hosts sporadic 10cm bands of strongly broken to crushed and weakly to moderately limonite bands throughout. Unit is generally slightly chloritized moderately soft, slightly broken and has good recovery. Upper contact is sharp and // S_2, lower contact is gradational over 20cm with limonite becoming progressively more abundant down hole.

DDH 91D4-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 7

Date: April '91 Logged By: S. Zbeetoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	47.6	48.1			5CA4	# Limonite (5BO# → Limonite) 50:50
						Interval consists of both 5CO and 5BO which are strongly calcareous and strongly limonitic locally consisting of limonite mush. Recovery is poor below 47.7. Upper contact is gradational over 15-20cm. Lower contact is gouge against gouge.
	48.1	51.5			5BG	±8 ±Limonite (10Q#: 10Q": gouge) 78:02:05:15
						Medium to dark gray, noncalcareous PS_2 foliated phyllite is weakly to moderately altered to a dark chlorite. Above 50.9 unit hosts moderate gouge and 2-3% quartz-dolomite 2-3cm in width. Below 50.9 unit hosts 3-5% quartz-calcite ± limonite veins from 1.0-1.5cm wide. Rock is moderately soft with fair recovery. Upper contact is gouge bound. Lower contact is sharp and $\parallel S_2$. Lower contact is also marked by a Post D_3 warp in S_2 which also bends L_3. Suspected to be related to intrusive or faulting. Warp trends @ 210°/10° with S_2
	51.5	56.7			5BO	
						Medium to light gray, moderately calcareous PS_2 locally CS_2 foliated phyllite is sporadically weakly limonitic on fracture surfaces above 52.9. Unit hosts 5-7%

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Page 8

Date: April 91 Logged By: J. Zbel

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						mm- cm scale quartz calcite veins. Rock is generally strongly broken, moderately soft and has good recovery. Upper and lower contacts are sharp and $\parallel S_2$
	56.7	59.1			586	±3 (10Q#) 97:03
						Medium gray non-calcareous PS_2 foliated phyllite hosts 3-4% 0.5 - 0.7 cm quartz-calcite veins rarely upto 2.0cm wide. unit hosts 0-2% cubby py. Rock is slightly soft, moderately to strongly broken and has good recovery. Upper and lower contacts are sharp and $\parallel S_2$
	59.1	59.4			583	
						Light green, strongly calcareous unit is weakly PS_2 foliated and texturless. Rock is slightly soft and slightly broken. Upper and lower contacts are sharp and $\parallel S_2$.
	59.4	67.5			586	(10Q#) 90:10
						Medium gray, non-calcareous phyllite is PS_2 foliated and hosts 10-12% 0.5 - 2.0 cm quartz-calcite veins At ~ 63.5 - 65.4 unit hosts 30-40% 30 - 50 cm quartz-calcite veins with ± chlorite and ± P_0/P_y

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 9

Date: April 91 Logged By: S. Sheedy

From	To	Recov.	No.	Unit	Description
					Unit is moderately to slightly soft, strongly broken and hosts trace - 1% clotty Py. Upper and lower contacts are sharp and // S_0
67.5	68.5			5B9	Medium gray, moderately to strongly calcareous PS_2 foliated phyllite hosts 0 - trace 0.5 - 1.0 cm euhedral pyrite crystals which have pressure shadows opening S_2. Rock is moderately to slightly soft, moderately broken and have good recovery. Upper and lower contacts are sharp and // S_2
68.5	75.6			5B6	(10Q# : 5B0) 83 : 15 : 02 Medium gray, non-calcareous PS_2 foliated phyllite hosts 15-17% 2.0 - 50.0 cm quartz-calcite veins. Veins host sporadic chloritic alteration and 0-1% fine grained Py and Po. Phyllite host trace - 1% clotty to subhedral pyrite grains. Rock is moderately to slightly soft and moderately to strongly broken and recovery is good throughout. 5B0 occurs very sparingly in 0.5 - 2.0 cm bands. Upper and lower contacts are sharp and // S_2

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 10

Date: April 91 Logged By: J. Zsoldos

Code	From	To	Recov.	No.	Unit	Description
	75.6	77.3			5B0	Medium gray, moderately calcareous phyllite is PS, foliated and hosts 1-2% 0.2-1.0 cm euhedral to subhedral pyrite cubes. Rock is moderately to slightly soft, moderately broken and has good recovery. Upper and lower contacts are sharp and // S_2.
	77.3	94.4			5B6	(10Q ± # : 5B0) 89:10:01 Medium gray non-calcareous phyllite is generally PS foliated, rarely // S_2. Unit hosts 7-10% quartz veins from 1.0-15 cm wide with sporadic occurrences of chlorite alteration and sporadic associations with calcite typically above 82.2. Unit also supports 1-2% calcareous phyllite occurring sporadically as 2-5mm bands // S_2. Rock is moderately to slightly soft, moderately broken and has good recovery. Unit hosts 0-1% 1-3mm euhedral pyrite grains. Upper and lower contacts are sharp and // S_2.

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 11

Date: April '91 Logged By: F. Beck

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	94.10 4	95.7			5B0	
						Medium gray strongly calcareous phyllite is PS_2 rarely $CS_2 \Rightarrow PS_2$ folded and hosts trace echedral pyrite from 0.2 - 0.8 cm in dia. Rock is slightly to moderately silty, moderately broken & has good recovery. Upper contact is sharp and $// S_2$. Lower contact is marked by a 4.0 cm quartz - calcite vein $// S_2$
	95.7	100.8			5B6	(102# 5B0) 87:10:03
						Medium gray, non-calcareous phyllite is PS_2. Folded and hosts 10-12% 1.0 - 15.0 cm quartz - calcite veins with sporadic chloritic alteration and trace - 1% fine grained Py and Po. Unit hosts a 30 cm band of moderately calcareous phyllite at 98.5m. Rocks are slightly to moderately silty, moderately broken and has good recovery. Upper contact is sharp and $// S_2$. Lower contact is irregular.
	100.8	102.9			5B16	± FAULT (102#) 90:10
						Medium gray, non-calcareous, locally weakly dolomitic phyllite contains a moderate shear fabric and consists of gouge above 101.6. Unit hosts 7-10% quartz - dolomite - calcite veins, commonly trending shear fabric and locally S_2. FAULT is moderately well healed below 101.6. General trend

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 91 Logged By: F. Bucci

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						of shear fabric is 155/20 wrt S_2. Recovery is fair to poor within gouge, good elsewhere. Upper and lower contacts are represented by irregular S_2.
	102.9	106.1			5B6	
						Moderate to moderate dark grey, non-calcareous phyllite is PJ foliated, moderately broken, slightly silty and has good recovery. Unit hosts trace-1% pyrite. Upper contact is marked by an irregular S_0. Lower contact is sharp and $\parallel S_2$. Poor recovery in crushed gouge.
	106.1	141.1			5B0	± →02 (5B6 & 10Q#) 83 & 10 & 07
						Medium to moderate dark grey, typically moderately to strongly calcareous phyllite hosts 7-10% 5-15cm bands of non-calcareous phyllite and also hosts 7-10% cm scale quartz-calcite veins. Unit also hosts 0-3% dm scale quartz-calcite veins. Veins sporadically host chlorite alteration. Interval contains trace-2% 5-10mm euhedral to subhedral pyrite grains. Unit contains a weak carbonaceous content throughout although a very slight increase in carbon content is noted over the lowest 4m. Upper contact is sharp and $\parallel S_2$. Lower contact is gradational with an increase in carbon content down hole.

DDH 91D-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 13

Date: April '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	141.1	143.6			5B62	±#± => 5B2
						Medium dark to dark gray, generally non-calcareous, sporadically strongly calcareous phyllite is slightly to moderately carbonaceous. Unit is P_{S_2} foliated and hosts trace - 2% 1mm euhedral Pyrite grains and wisps // S_2. Rock is slightly soft, moderately to strongly broken and has good recovery. Upper contact is gradational with an increase in carbon down hole. Lower contact is sharp and marked by a 2cm quartz-calcite ± chlorite vein.
	143.6	158.0			5B0	±9 (10a") 97:03
						Light to medium gray, moderately to strongly calcareous phyllite is P_{S_2} locally CS_2 foliated and hosts 0-1% Pyrite and 0-1% P_y. P_o occurs exclusively below 155.0. No reaction of P_y => P_o noted. Unit hosts 3% quartz-calcite veins with a single occurrance of remobilized galena within quartz @ 157.1. Upper contact is sharp, noted by 20cm Qtz vn. Lower contact is gradational over 15 cm with calcite within phyllite matrix decreasing down hole.

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

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Date: Apr. '91 Logged By: J. Zbrodoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1581.0	1621.9			5B61	±# ±$
						Medium to light gray, with a very slight yellowish color, generally non-calcareous locally very slightly calcareous phyllite hosts 0-2% dolomite occuring as fracture fillings. Unit is PS, foliated, moderately soft, strongly broken and has good recovery. Upper contact is gradational with a decrease in calcite within matrix down hole. Lower contact is sharp and irregular.
	1621.9	1634			5B610	±$ ±2 FAULT
						Medium gray, locally dark gray, phyllite hosts dolomite bands // a strong shear fabric. Wisps of calcite within dolomite are sporadic. Shear fabric trends sub parallel core axis and hosts a moderate sporadic carbon content. Unit is generally well healed. Upper contact is irregular and marked by 15cm of gouge. Lower contact is sharp and trends @ 010/05 wrt S_2.

DDH 91 DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: April '91 Logged By: T. Sheridan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	163.4	164.3			5B6$	±#
						Medium gray, generally non-calcareous, locally slightly calcareous phyllite hosts 5-7% dolomite filled fractures. Unit is slightly to moderately soft, strongly broken and has good recovery. Upper contact is sharp and trends 010/05° unit S_2. Lower contact is gradational over 2-3cm.
	164.3	219.3			5BP	
						Medium light gray, moderately to strongly calcareous phyllite is generally PS_2 locally $PS_2 \rightarrow S$ CS_2 and rarely CS_2 foliated. Unit hosts 5-10% cm scale quartz-calcite veins generally trending $//S_2$. 0-1% ribbon P_y and P_o occur throughout interval. Unit is moderately to slightly broken, slightly soft and has good recovery. Upper contact is gradational over 2-3cm. Lower contact is sharp and $//S_2$
	219.3	224.5			5B6	±$ ±# ±gouge (10Q#$) 98:02
						Medium gray, generally non-calcareous phyllite is PS_2 foliated and host rare widely calcareous band <5cm in width. Unit hosts 0-2% quartz-calcite ± dolomite veins generally 2-2.5cm wide and $//S_2$. Unit also hosts trace-5% dolomite filled fractures and trace-3%

DDH 91DY-03 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 91 Logged By: J. Sheriff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Po and 0-trace Py. Unit contains a 5cm gouge band at 222.0. Rock is slightly soft moderately to strongly broken and has good recovery throughout. Upper contact is sharp and $\perp$. Lower contact is graduational over 2cm with calcite more abundant down hole.
	224.5	244.5			5BQ	±02
						Medium to medium dark gray moderately to strongly calcareous CS, locally PS, foliated phyllite hosts 0-trace Po and Py. Interval contains 0-2% cm and rarely dm scale quartz-calcite veins. Unit is slightly soft, generally moderately broken, strongly broken at 231.1 to 233.3. Recovery is good throughout. No loss of calcite in strongly broken interval noted. Upper contact is graduational over 2cm with an increase in calcite down hole. Lower contact is graduational over 20cm with an increase in chlorite down hole.
	244.5	246.2			5FQ	→ 5BO
						Medium grayish green, moderately to strongly calcareous weakly to moderately chloritized phyllite containing 0-trace Po and Py and 0-trace quartz-calcite veins. Rock is slightly soft, slightly broken and has good

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: J. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						recovery. Upper and lower contacts are gradational on the dm-scale with a loss of chloritic alteration up and down hole.
	246.2	248.8			589	
						Medium gray, moderately to strongly calcareous typically DS2 foliated phyllite host 0-trace Py and Po. Rock is slightly soft, slightly to moderately broken and has good recovery. Upper contact is gradational over 10's of cm. Lower contact is gradational over 5cm.
	248.8	255.3			586	±1 ±18 ± # (10Q$ ± #) 97:03
						Medium gray, generally non-calcareous phyllite host rare weakly calcareous bands 2-3cm wide. Unit is sporadically weakly to very weakly silicified with sporadic associations of weak to very weak chloritic alteration. Interval contains 0-3% quartz-dolomite ± calcite veins commonly 2-3cm wide, rarely upto 30cm. Qtz. land phyllite hosts trace-2% Po and 0-trace Py. Unit is moderately to strongly broken at 251.0-252.1. Unit is slightly hard locally slightly soft. Unit is typically moderately broken with good recovery throughout. Upper and

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

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Date: April '91 Logged By: J. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						lower contacts are gradational.
	255.3	294.8			5BP1	± → 02 ± $
						Medium, locally medium dark gray, weakly to moderately calcareous phyllite hosts 5-7% dm-scale quartz-calcite veins trending // S_2. Unit also contains 0-trace P_1 and P_2. Unit hosts a very weak carbon content which is slightly more abundant within lowest ½ of interval. lowest 2½ meters of interval contains discontinuous wisps of calcite and rarely dolomite consistently trending at 35-40° wrt C.A. Suspect related to lower fault zone (tension gashes) Carbonate wisps trend at approx 155°/35-40° wrt S_2. Rock is slightly soft, moderately locally slightly broken and has good recovery throughout. Upper contact is gradational. Lower contact is sharp and // S_2.
	294.8	298.3			5BP1	± → 8 (500#) 70:30
						Medium gray to medium greenish gray, moderately calcareous phyllite is P_2 foliated. Unit is generally slightly to moderately chloritic. Unit hosts 30% veins and bands upto 40cm of 500 which are olive green, moderately

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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Date: April '91 Logged By: J. Scotuff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcareous and PS_2 foliated. Rock is very slightly hard, slightly broken and has good recovery. Upper contact is sharp and $// S_2$. Lower contact is gradational over 20cm with an increase in breakage and contorted S_2 fabric down hole. Unit hosts 2-3% calcite rarely dolomite tension gashes (?) trending approx at 250°/20° wrt S_2
	298.3	303.0			5B6	$ FAULT
						Medium grey slightly dolomitic phyllite is very strongly broken with moderate gouge throughout. Phyllite blocks display a strong shear fabric to a moderately well healed brecciated texture. Recovery is poor. Shear fabric trends subparallel C.A. Upper and lower contacts are gradational with an increase in fault textures and an increasing in breakage towards interval. Fabric adjacent interval suggests a trend of 333/28° wrt S_2
	303.0	305.2			5B6	$± # (10Q#) 98:02
						Medium gray, commonly tarnishes yellow brown, weakly dolomitic, rarely very weakly calcareous phyllite is strongly to moderately broken. Rock is slightly soft

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: J. Zbeedniff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and has good recovery. Unit contains 1-2% quartz-calcite veins and clots of no particular orientation. Upper contact is gradational with an improvement in rock quality down hole. Lower contact is strongly broken.
	305.2	308.5			5B6	$\pm$# FAULT Medium gray, commonly tarnished yellow brown, weakly dolomitic rarely very weakly calcareous phyllite is very strongly broken to crushed. Gouge is sporadic. No apparent trend to breaks in core. Upper and lower contacts are strongly broken. Recovery is poor to fair.
	308.5	309.9			5B6	$ (10Q#) 97503 Medium gray, locally slightly tarnished yellowish gray, weakly dolomitic unit is strongly to moderately broken. Unit hosts 3% patchy quartz-calcite veins and clots. Recovery is good. Upper and lower contacts are v. strongly broken.

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

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Date: April '91 Logged By: J. Zbeetaff

Code	From	To	Recov.	No.	Unit	Description
	309.9	311.8			586	$ (580) 75:25
						Medium gray, weakly dolomitic phyllite is very strongly broken, locally crushed, but lacks gouge. Interval contains 25% moderately to strongly calcareous phyllite rubble. Recovery is poor. Upper and lower contacts, as all at interval, are marked by S_2 breaks
	311.8	312.3			580	(386) 75:25
						Medium gray phyllite is generally moderately calcareous, locally non-calcareous in 5-7cm bands. Unit is moderately to slightly broken and has good recovery. Upper contact is marked by S_2 fractures. Lower contact is marked by 10cm quartz-calcite vein.
	312.3	318.8			586	$ (5D$) 85:15
						Medium to light gray locally yellowish brown, moderately dolomitic phyllite is generally PS_2 foliated, moderately broken and has good recovery. Interval hosts 15% wisps to 10cm bands of dolomitic SDD. Interval contacts are sharp and $// S_2$. Upper and lower contacts are marked by the veins $// S_2$.

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	318.8	320.3			500$*	$ → #
						Light to medium gray/green, textureless, weakly DS, foliated unit is weakly to moderately dolomitic over upper 2/3 and moderately calcareous over lower third. Rock is slightly soft, slightly broken and of good recovery. Upper and lower contacts are sharp and // S. Upper contact is marked by 3cm Qtz vn.
	320.3	338.9			5BQ	
						Medium gray moderately calcareous phyllite is typically CS_2 → PS_2 foliated slightly soft, moderately to slightly broken and has good recovery. Unit hosts 0-trace 1cm subhedral Py and 2% quartz calcite veins from 2-4cm paralleling upto 40cm. Upper contact is sharp and // S_2. Lower contact is marked by an irregular Qtz-calcite-dolomite vein with chloritic margins.
	338.9	342.3			5BG	$ ± 3 ± Gouge
						Medium gray, weakly dolomitic, locally weakly calcareous phyllite is locally very strongly broken, crushed and contains moderate gouge. Broken intervals occur at 339.6 - 340.8 and 342.0 - 342.3. Recovery is poor in broken zones. Generally unit is slightly to moderately soft, moderately broken and has

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 91 Logged By: S. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good recovery. Upper contact is noted by an irregular gtz vein, lower contact is sharp // S_0.
	342.3	365.0			5BP	
						Medium gray moderately to strongly calcareous rare weakly calcareous Phyllite is CS_2 foliated locally $CS_2 \Rightarrow PS_2$ and PS_2. Unit is slightly soft, slightly to moderately broken and host rare occurrences of P_2 and P_0 and 0-trace cm scale quartz - calcite veins. Upper contact is sharp // S_2 lower contact is gradational over 20cm with a progressive increase in alteration down hole.
	365.0	366.6			5BOH	18 ± biotite
						Altered Phyllite is variably colored from dark gray to light greenish gray, calcareous and weakly silicified throughout. Color changes represent variable alterations on the cm scale with both sharp and gradational contacts. Alteration includes variable degrees of chloritic, biotitic and (?) hornfelsed appearance. Rock is moderately to slightly hard moderately to slightly broken and has good recovery. Upper contact is gradational over 20cm with an increase in alteration down hole. Lower

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: J. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contact is sharp, fault bound and trends @ 335/35 wrt S_2
	364.6	371.6			5B4,6,1	8 ± 3 ± biotite/sericite
						As above unit with stronger alteration package and a loss of calcite below 397.9. Sericite is added to the package of alteration and locally is strongly developed. Unit is hard locally, very hard, very slightly broken and has good recovery. Upper contact is sharp, fault bound (5cm gouge) and trends @ 335/35 wrt S_2. Lower contact is sharp, slightly irregular and is very strongly broken & no measurement wrt S_2 available.
	371.6	373.6			10,5	278 #
						Medium to light gray, weakly calcareous diorite dyke containing 5% biotite phenocrysts (1-2mm), 3% amphibole phenocrysts (1-2mm) 7% feldspars phenos (2-3mm) and 5-7% quartz phenos (2mm). Matrix is fine grained weakly calcareous and becomes progressively lighter in color down hole. Upper contact is sharp, irregular and broken. Lower contact is gradational

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: April '91 Logged By: J. Zbick

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	373.6	393.8			101E	2
						Buff, weakly to moderately calcareous diorite dyke hosts 5-7% 1-2mm quartz phenos and 1-2% 4-7mm feldspar phenos. Matrix is fine grained & weakly calcareous. Calcite also occurs in weakly healed fractures. Upper and lower contacts are gradational.
	393.8	396.4			101E	2.78#
						Light to medium grey, weakly calcareous diorite. hosts 7-10% biotite (1-2mm) trace-1% augite (1-2mm) and 7-10% quartz (2-3mm) phenos. Feldspar phenos are pale and are 3-4mm in dia. Upper contact is gradational. lower contact is sharp and // S_2
	394.6	397.1			5B91	(5D01) 99:01
						Medium to medium dark gray, moderately calcareous phyllite is P_S foliated and is moderately silicified throughout. Unit lacks alteration package at upper contact with dyke. Unit hosts trace-1% 5D01 wisps // S_2. Rock is moderately hard slightly broken and has good recovery. Upper contact is sharp and // S_2. Lower contact is gradational with a slight decrease

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 91 Logged By: D. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						in silicification down hole
	397.1	415.3			580	±1 (580±1) 97:03
						Medium gray, strongly calcareous phyllite is slightly to very slightly silicified and hosts 2-3% 580±1 wisps and bands from 0.2-10cm wide // S_2. Rock is slightly hard, moderately broken (strongly broken @ 400.7-402.0m). Recovery is good. Upper contact is gradational with a decrease in silicification down hole. Lower contact is sharp and marked by crushed rock // S_2. Lowest 40cm of unit contains an increasing degree of shear fabric down hole which contacts S_2.
	415.3	417.9			586	FAULT
						Medium gray, weakly dolomitic phyllite is very strongly broken to crushed with poor to very poor core recovery. Gouge is rare, and occurs below 416.7. No consistent trend to fractures are noted. Upper and lower contacts are sharp, marked by crushed rock and gouge // S_2

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 91 Logged By: S. Zbarsky

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	417.9	420.5			SBBX	Microbreccia ± gouge (SDS) 98:02
						Medium to light grey, weakly dolomitic PS, foliated phyllite hosts 10-15% 1-2mm complex erratic dolomite filled breccia pattern crudely trending ∠ low angles to core axis. Interval contains 2-3% 2.0-10.0 cm bands ∠ SDS Rock is very slightly hard, generally strongly broken with rare occurances ± gouge. Recovery is good. Upper contact is sharp marked by crushed rock and gouge // S_2 lower contact is gradational over 20cm with dolomitic microbreccia grading into calcite microbreccia.
	420.5	422.1			SDO	Weak Shear (SB2:SB0) 55:30:15
						All units are strongly calcareous and display a weak to moderate shear fabric which overprints S_2. Internal contacts are sharp but irregular tracing shear fabric. SDO bands are commonly 50-30cm wide, rarely as fragments within SB2. SB2 bands are 8-20cm wid. SB0 exists at 420.5-420.7 and contains a microbreccia texture ∠ calcite. Shear fabric trends at ~ 30° w.r.t C.A. Upper contact is gradational over 20cm with calcite becoming dominant over dolomite downhole. Lower contact is sharp and // shear fabric.

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: F Zbeetwolf

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	422.1	433.3			5BP	± → 8 Very Weak Shear → microbreccia (5DO) 85:15
						Medium gray, strongly calcareous phyllite is sporadically very slightly green and considered to be very slightly chloritic. PS fabric is very poorly preserved being overprinted by a very weak shear fabric and locally a very weak microbreccia texture. Unit hosts 15% 5DO with similar textures found in phyllite. 5DO occurs in wisps clasts and bands from 1.0 - 30cm wide. Rock is very slightly hard, moderately to slightly broken and has good recovery. Upper contact is sharp and // shear fabric. Lower contact is graded and ~ 5cm with a very high increase in microbreccia development.
	433.3	437.8			5B2	# Shear (5DO#) 95:05
						Dark gray, very strongly to strongly calcareous, moderately carbonaceous phyllite contains a very well healed highly caotic moderately strong shear fabric. Fragments are 5DO and calcite often displaying semi plastic flow. Shear fabric is locally highly contorted but generally trends ~30° w.r.c.a. Rock is slightly hard to slightly soft, slightly to moderately broken and has good recovery. Upper contact is grades uphole from shear fabric to microbreccia to a poorly preserved PS fabric. Lower contact is graded over 40cm with a decrease in shear fabric down hole.

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: E. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	437.8	447.4			5BQ	(5DO) trace Medium to light gray, strongly calcareous phyllite is generally CS_2 foliated locally $BS_2 \rightarrow CS_2$ and very rarely displays a weak shear fabric that disrupts S_2. Well healed 1-2mm slips are sporadic and have very sharp contacts and are roughly at 30° w.r.t C.A. Isolated hosts trace 2-4mm wisps at 5DO // S_2. Upper contact is gradational with a loss of shear fabric down hole from upper unit. Lower contact is gradational over 20cm with a noted slight increase in chlorite down hole.
	447.4	448.6			5BQ	±→8 (5DO) 98:02 Medium gray and slightly green, strongly calcareous phyllite is very weakly chloritized and hosts 2-3% 5DO wisps and bands < 2.0cm. Rock is slightly soft, moderately broken and has good recovery. Upper and lower contacts are gradational with an increase in chloritic alteration inwards to unit.
	448.6	455.6			5BQ	(5DO) 98:02 Medium gray, strongly calcareous phyllite is BS_2 and locally CS_2 foliated. Unit hosts 0-2% 0.5-2.0 cm bands of 5DO that are // S_2. Rock is slightly soft, moderately broken and has good recovery. Upper and lower

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: S. Sedlak

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contacts are gradational with an increase in chloritic alteration within upper and lower directions.
	455.6	461.4			5BQ8	→ 5FO (5DO) + trace
						Medium gray slightly green, strongly calcareous phyllite is generally cs foliated and weakly chloritic. Unit hosts 0-trace 0.5-1.5 cm bands and wisps of 5DO // S_2. Rock is slightly soft, slightly to moderately broken and has good recovery. Upper contact is gradational with an increase of chlorite down hole. Lower contact is sharp and // S_2.
	461.4	462.4			5BQ	FAULT
						Medium gray, moderately calcareous phyllite is very strongly broken, commonly crushed and hosts sporadic gouge. Recovery is poor. Upper and lower contacts are sharp and marked by crushed zones // S_2.

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 91 Logged By: J. Sheerin

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	462.4	473.8			5BD	± → 02
						Medium gray, moderately to strongly calcareous CS_2 foliated phyllite is locally very slightly carbonaceous and slightly medium dark gray at 467.0 – 469.0 with gradational contacts. Rock is slightly soft, slightly broken and has good recovery. Upper and lower contacts are sharp and $// S_2$
	473.8	477.6			5BG	± → 08 (5DO : 5EO) 96 : 03 : 01
						Medium gray, moderately to strongly calcareous phyllite is CS_2 foliated and is locally very weakly chloritic. Unit hosts 2-3% 5DO that occurs most commonly with spectacular S_1 contacts and less commonly contacts $// S_2$. 5DO bands are from 0.5 – 10.0 cm wide. Unit also hosts 0-2% marble with contacts $// S_2$ and in bands from 0.5 – 3.0 cm wide. All units are slightly soft, slightly to moderately broken and have good recovery. Upper contact is sharp and $// S_2$. Lower contact is gradational over 10 cm with a loss of calcite down hole.

DDH 91DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: April '91 Logged By: J Zbeda

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	477.6	479.6			5BG#	Weak FAULT
						Light gray, weakly dolomitic unit is generally strongly broken, crushed and gouge @ 478.3 - 479.1. Unit is slightly bleached above 479.1. Rock is moderately soft and has good recovery. FAULT portion of interval contains several well defined gouge bands of variable thickness (2-10cm) that vary in trend from 255/25° @ 478.4 070/28 @ 478.8 and 310°/32 @ 479.3. Upper and lower contacts are a gradational loss in calcite inwards. FAULT contacts are sharp.
	479.6	484.7			5BD	± 8 (5DO#) 80:20
						Medium gray, moderately to strongly calcareous CS_2 foliated phyllite hosts 15-20% calcareous 5DO in 2.0-15.0cm bands $// S_2$. Locally phyllite is moderately chloritic. Rocks are slightly to moderately soft, moderately to slightly broken and have good recovery. Upper contact is gradational with an increase in calcite down hole. Lower contact is sharp and $// S_2$
	484.7	502.7			5BQ	(5BQ2: 5DO) 90:10: trace
						Medium gray, moderately to strongly calcareous phyllite is CS_2 foliated and host trace 5DO occuring $// S_2$ and in wisps / bands from 0.2-1.0cm wide.

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CURRAGH RESOURCES INC.

Lithologic Log

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Date: April '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Lowest 2.0 - 2.5 metres displays a gradational increase in carbonaceous matter. Rock is slightly soft, moderately locally moderately to strongly broken and has good recovery. Upper contact is sharp and // S_2. Lower contact is gradational with a gain in carbon down hole, but sharp with 5DD contact of lower unit.
	502.7	503.9			5B2	# ± → 5B26 (5DD#) 95:05
						Dark gray, very weakly to moderately carbonaceous, slightly to moderately carbonaceous CS_2 foliated phyllite containing 5-7% 5DD bands from 0.5 - 1.0 cm wide. 5DD is moderately to strongly calcareous. Rock is slightly hard, slightly broken and has good recovery. Upper and lower contacts are sharp and // S_2
	503.9	509.0			5B26	
						Dark gray non-calcareous weakly to moderately carbonaceous phyllite is CS_2 foliated, slightly hard to slightly soft, moderately to strongly broken and has good recovery. Upper contact is sharp and // S_2 Lower contact is broken but appears sharp and // S_2.
						Unit hosts 2% stringy and clotty Po

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	5091.0	5121.5			5B2	#
						Dark gray, moderately to strongly calcareous phyllite is CS_2 foliated, weakly to moderately carbonaceous and hosts 0-1% clotty and stringy Po. Rock is generally slightly soft, locally slightly hard. Interval is moderately broken and has good recovery. Upper and lower contacts are sharp and $//S_2$
	5121.5	5171.3			5B2	# ± 8 ± → 5B26 (500#) 95:05
						Dark gray, weakly calcareous phyllite is sporadically moderately calcareous and very slightly calcareous. Unit is weakly to moderately carbonaceous throughout, and hosts 3% clotty Po, & 3-5% 500. 500 is moderately to strongly calcareous. Locally phyllite is slightly chloritic altn with a 500 association. Rocks are slightly soft, moderately to strongly broken and have good recovery. Upper contact is sharp and $//S_2$. Lower contact is gradational over 2cm wide alter in calcite down hdr.
	5171.3	5211.2			5B26	± 8 (10Q#:#:5B0) 88:10:02
						Dark gray, non-calcareous to rarely very slightly calcareous phyllite is weakly to moderately carbonaceous. Unit is commonly CS_2 foliated and hosts 10-12% dm-scale quartz-dolomite ± calcite veins trending $//S_2$. Veins commonly have chlorite

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						margines, and contains trace - 3% Po. Phyllite hosts 1-3% Po and a 15cm band of strongly calcareous light gray phyllite at 520.7. Rock is slightly to rarely moderately soft, strongly broken and hosts gouge at 517.4. Recovery is generally good, fair to poor near gouge. Upper contact is gradational with a loss of calcit. downhole. Lower contact is irregular and noted as lost gouge un with chloritic alteration.
	521.2	525.6			5B26	
						Dark gray, non-calcareous PS, foliated phyllite is weakly to moderately carbonaceous and hosts trace - 1% clotty Po. Unit is slightly soft, moderately broken and has good recovery. Upper and lower contacts are irregular and marked by the veins of adjacent units.

DDH 91-DY-03 (2 — 8)

CURRAGH R. JURCES INC.

Lithologic Log

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Date: April '91 Logged By: J. Zbeda

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	525.6	530.0			5B20	± 8 (10Q$ ± #) 90:10
						Dark gray, non-calcareous phyllite is PS_2 foliated
						and hosts 10-12% quartz-dolomite ± calcite veins and clots.
						Veins are generally highly irregular and vary from cm to
						dm scale. S_2 is often highly contorted adjacent veins.
						Weak chloritic alteration occurs erratically in association
						with qtz. Phyllite and Qtz hosts trace - 3%
						coarse Po blebs and clots and 1-2% fine disseminated
						Po. Phyllite is moderately soft to slightly soft. Unit is
						moderately to strongly broken and has good recovery. Upper
						and lower contacts are marked by Qtz vns.
	530.0	544.7			5B26	(5A06) 97:03
						Dark gray non-calcareous PS_2 foliated phyllite is
						weakly to moderately carbonaceous. Unit hosts 2-3%
						very dark gray to black moderately to strongly carbonaceous wisps
						and bands <1.5cm wide. Very dark gray units occur
						throughout and are // S_2. Interval contains trace - 1%
						clotty Po.

DDH 91N4-03 (2 of 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb '91 Logged By: J. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	544.7	545.5			5A16	± $ (5FO##) 51:49
						Black non-calcareous non dolomitic, P_2 foliated phyllite is moderately to strongly siliceous and hosts 0-3% P_o and 0-trace P_y occurring as irregular clots with dolomite clots appear as a "healing matrix" to a very weak breccia fabric. Remobilized sulphides may have a trace very fine grained sphalerite also remobilized into matrix of healing fabric. S_2 surfaces ~~easily~~ tarnish fingers black
						Interval contains ~ 49% medium green, intensely calcalcareous, very strongly P_2 foliated rock. 5FO## (?) This green unit occurs in 5-15 cm bands below 545.0, and hosts 0 trace P_o.
						Rocks are hard to very hard, moderately to slightly broken with 100% recovery. All contacts are very sharp and parallel S_2.
	545.5	546.2			4D44	(5AO:4EO→4CO) 75:15:10
						Purplish brown unit is non-calcareous and non dolomitic and very strongly mineralized, possibly baritic (note assays) Unit is very heavy. Locally unit supports fragments, wisps and bands of barren non-siliceous 5AO. Upper & lower contacts and portions within contain upto 60% P_y; 4EO→4CO Massive pyrite portions are from 3-5 cm wide and very siliceous. Rock is hard moderately broken and has good recovery. All contacts are sharp and parallel S_2.

CRI 1987 F-7A

DDH 91-UY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '90 Logged By: S. Zbetnik

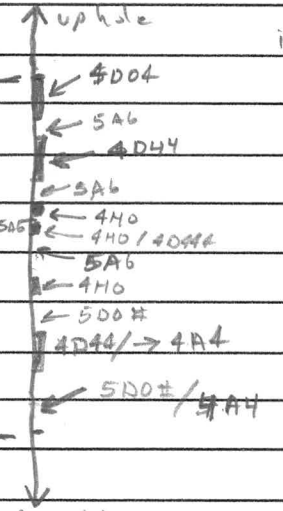
Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						although contacts with pyritic bands are slightly gradational. Estimated grade over interval is 10-12% although locally narrow areas contain 30% Pb+Zn.
	546.2	552.6			4A.4,	± → 5A14 (5C64) 99:01
						Very dark gray non-calcareous unit is generally PS_2 foliated and moderately mineralized with sphalerite and pyrite. Ribbon banding is common with mineralization occuring along S_2 bands 0.2 - 0.5 cm wide. Locally interval hosts CS_2 banding of phyllite (bands ≤1cm) separated by mineralized S_2 planes. Rarely mineralization follows S_1 bands. S_2 surfaces moderately tarnish fingers dark gray. Unit is moderately to strongly siliceous throughout.
						Interval supports two 2.5 cm bands of weakly to non-siliceous medium green noncalcareous 5C64(?) at 546.5 and 548.0. Contacts are generally sharp and parallel S_2 although upper contact of lower band is irregular. Green unit is PS_2 foliated with what could been taken as a very poorly preserved igneous texture or phyllitic texture (?)
						Rock is hard slightly to moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
						Estimated grade of interval is 5-7% combined

DDH 91UY-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: T. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	552.6	555.7			4D9	(5A6 : 500# : 4HO) 37: 35: 25: 03
						Highly mixed unit on the dm-scale, rarely on the cm-scale. Upper 0.7m of unit hosts moderately mineralized quartzite with a 15cm band of 5A6 in the center. Contacts are sharp and parallel S_2. QUARTZITE below 5A6 is strongly Zn mineralized.
						Below quartzite dominant interval a mixed interval of 5A6, 4HO and a single intensely mineralized (Zn) band (1cm) exist. 5A6 contains 7-10% dolomite-quartz clots and highly irregular bands in a PS_2 fabric. This interval dominates to 554.3. 3 bands of cm to dm-scale 4HO exist at 553.65, 553.8 and 554.3. Zinc rich band occurs at 553.85. All contacts are sharp and generally parallel S_2. Lowest contact of subinterval is very irregular with 4HO strongly cutting S_2 of lower 500. 4HO indicates strong remobilization at that point.
						Next portion of interval is 500# dominant with localized segments (1.0-20cm) mineralized quartzite in sharp contact in PS_2 foliated medium green moderately calcareous rock. Contacts are parallel S_2. At 554.85 and 555.0 1-2.5 cm bands of medium to coarse grained remobilized Zn+Pb exist with a dolomite matrix. Remobilized bands crosscut S_2.
						This stinking mess of a highly mixed interval is



C.R.I. 1987 F-7A

DDH 91W-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb'91 Logged By: D. Beckett.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						generally moderately broken strongly broken at 553.4 - 553.6. This package is bound by sharp contacts parallel S_2.
	555.7	571.8			5A61	± #1 (5A19 : 50°) 90:07:03
						Very dark gray to black non-calcareous phyllite is PS_2 rarely CS_2 foliated with S_2 surfaces moderately to strongly tarnishing fingers black. Unit is generally weakly silicified, locally non-silicified rarely intensely silicified. Unit is barren of visible Pb+Zn mineralization. Unit supports 3% 1cm - 3cm CS_2 foliated bands to wispy at 50°. Interval contains 3% clotty and wispy D_0 and rare clots of P_y.
						AT 558.0 - 559.1 interval is moderately siliceous and weakly mineralized (5A19). Ribbon banding is very poorly developed with Zn mineralization following CS_2 fabric (ie S_2 bands 0.5 - 1.0 cm). Contacts are sharp and parallel S_2. Weakly mineralized band is estimated to contain 2% Pb+Zn.
						Rock is generally hard to moderately hard moderately broken, strongly broken to crushed at 559.0 to 561.3, and at 566.6 to 567.3. Recovery is good to fair. Upper contact is sharp and parallel S_2. Lower contact is broken but appears sharp and parallel S_2

DDH 91-04-03 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: D. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	571.8	574.1			SA6	±1 (4DO:5C6) 92:05:03
						Very dark gray to black phyllite is non-calcareous DS_2 foliated with S_2 surfaces moderately tarnishing fingers very dark gray to black. On the dm-to-cm scale interval is intermixed with moderately mineralized quartzite. Contacts appear sharp and parallel S_2. Unit also supports a DS_2 foliated, non-calcareous medium green unit at 573.3-573.6. Green unit contains a moderately well preserved igneous texture stretched into S_2. Contacts are broken but appear sharp and parallel S_2
						Interval is generally slightly soft, locally weakly silicified and slightly hard. Rock is strongly broken and not allowing distinguishable contacts with 4DO. Upper contact is broken and appears sharp and parallel S_2. Lower contact is gradation over 5cm with a progressive increase in bleaching of 5AO and an increase in dolomite down hole ESTIMATED grade over interval is <2%.
	574.1	576.1			AKOS	(4GO) 60:40
						Mottled light gray and locally purple brown unit is strongly dolomitic and sporadically mineralized in stringers clots and rarely as bands ≤2.0cm wide. Interval hosts barrite units at upper and lower contacts. Upper barrite unit is occurs at 574.1 - 574.8, is finely banded, pyrite dominant (20-25%) and has sharp upper and lower contacts, interval is weak calcareous. Lower

DDH 91-04-03 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Feb '91 Logged By: J. Sedgwick

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						baritic unit occurs at 575.7 - 576.1, and has fairly well developed banding // S_2 and is moderately mineralized with a higher Pb + Zn content than upper subunits (7-10%). Upper and lower contacts of lower baritic unit are sharp and parallel S_2. Interval is moderately broken with good recovery.
576.1	576.8				5A+1A	(5C4 : 4D4) 60 : 30 : 10 Unit is dark gray to black and host irregular clotty Py ± Zn mineralization. Clotts appear to be baritic. Unit displays no ribbon banding but is moderately siliceous. Above 5A4 a 20cm band of strongly altered 5C4 exists. 5C4 is medium gray PS_2 foliated with carbonaceous matter coating S_2 surfaces. S_2 surfaces consists of a network of carbon coatings not as planar bands. 5C4 hosts 1% medium to light green (1x3mm) clotts ± fuchsite (?). Below 5A4 a 15cm band of strongly mineralized 4D0 exists. All internal and upper and lower contacts are sharp and parallel S_2. Rock are generally hard, except 5C4 which is moderately soft. Unit is moderately broken with good recovery.

DDH 91-04-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	576.8	584.1			5AQ	± $ (4AQ : 4CO) 85:10:05
						Very dark gray to black rarely dolomitic, PS_2 locally CS_2 foliated phyllite is carbonaceous with S_2 surfaces tarnished figures very dark gray to black. Interval supports sporadic moderately to strongly mineralized 4AQ bands commonly on the dm-scale with sharp contacts. Widest mineralized interval occurs @ 577.6-578.0. Interval also host sporadic dm-scale 4CO bands which do not exceed 15cm, and do have sharp contacts parallel S_2 Rock is slightly to moderately soft, hard where silicous. Core is strongly broken // S_2 and has good recovery. Upper and lower contacts are sharp and parallel S_2 Overall grade is <1% combined.
	584.1	585.0			4GO$	
						Mottled buff and brown, weakly to moderately mineralized unit is weakly dolomitic and hosts 10% 5-7mm dolomite clots. Unit is generally massive with banding occuring @ upper and lower contacts, parallel S_2 and over widths <15cm wide. Rock is slightly soft, moderately broken and has good recovery. Upper contact is sharp and parallel S_2 Lower contact is sharp and very irregular. Estimated grade is 7%

DDH 91UY-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: F. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	585.0	588.3			5A1	±9 (4G4 : 4EO) 97:02:01
						Dark gray to black PS_2 and CS_2 foliated carbonaceous phyllite is moderately silicified locally barren of silicification. S_2 surfaces easily tarnish fingers black. Unit lack ribbon banding, mineralization is limited to clotty Py and very rare traces of <1cm disseminated bands of Sph. above 586.6. Below 586.6 Phyllite hosts sporadic Sph mineralization, 1% 1.0-1.5 cm bands of 4EO and a possible band of 4G4 at 587.1 - 587.25. Rock is generally hard moderately to slightly broken with good recovery. Overall grade of interval is <3% combined.
						Upper contact is sharp and very irregular, lower contact sharp, parallel S_2 and hosts 30% quartz calcite veining (2.-3 cm wide) over last 40cm
	588.3	591.5			4G0	±# (5B6) trace
						Yellowish-brown locally weakly calcareous slightly to moderately baritic unit moderately mineralized with Pb/Zn and contains 35-40% Pyrite. Banding is sporadic and when present is faint and parallel S_2. Interval contains 3% calcite clots 3-4 mm in dia. Rock is very slightly soft streaks black and has a high SG. Core is slightly broken to moderately broken, recovery is good Upper contact is sharp and parallel S_2, lower

CDI 1987 F 7A

DDH 91 bt-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Sbrettini

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contact is also sharp and parallel S_2
						Unit hosts trace wisps and broken fragments
						of 5B6 @ 591.5 - 591.3.
	591.5	592.3			5C4#	
						Medium green, strongly calcareous unit is CS_2 foliated
						and contains an extremely poorly preserved igneous texture
						Unit host NO mineralization, is slightly soft and is
						slightly broken. Recovery is good. Upper and lower contacts
						are sharp and parallel S_2. Lower contact is slightly irregular
						with remobilized sulphides invading metabasite.
	592.3	598.4			AG444	(5C4#) 97:03
						Yellowish brown, locally deep purple, very weakly-to-noncalcareous
						unit is strongly barren generally moderately well banded with
						10-30% pyrite. Unit is moderately to very strongly
						mineralized. Unit hosts 3%, medium green CS_2 =>
						PS_2 foliated, strongly calcareous metabasite with a
						very slight hint of intrusive texture remaining. Metabasite
						contacts are fairly sharp, parallel S_2 with slight
						sulphide invasion from remobilization into 5C4#. Meta
						basite occurs at 596.3-596.45 and 597.0-597.5. Barren

DDH 91-MV-03 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: T. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Unit is slightly silty streaks block and is slightly broken. Upper contact is generally sharp and parallel S_2 lower contact is sharp and oriented at 045/22° wrt S_2.
	598.4	603.8			586	→ 4LO ±1 (5AO) 98:02
						Medium gray, locally weakly to moderately bleached light green, non-calcareous unit is PS_2 foliated and rarely silicous. Internal contacts with bleaching are generally gradational except when in contact with 5AO - then they are sharp and parallel S_2. 5AO occurs as ≤5cm bands parallel S_2. Rock is generally moderately soft, except hard where silicous. Core is moderately broken recovery is good. Upper contact with basitic unit is very sharp and oriented @ 045/22 wrt S_2. Lower contact is very irregular, and crosscuts S_2 and is related to 20cm quartz - calcite vein 3cm from contact.
	603.8	607.3			4LO	±1
						Very light gray to buff with a weak green tint. Noncalcareous unit contains poorly preserved remnants of CS_2 => PS_2. Unit hosts 15-20% 1-2 x 3-4 mm chloritic porphroblasts moderately to weakly stretched

DDH 91DY-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: F. Zsclaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						into S_2. Interval contains 1-2% euhedral Po after Py, and disseminated wisps and irregular clots where silicification is present. Silicification is sporadic, rare but often moderate to strong. Unit contains 3% dm scale quartz calcite veins that are irregular and do not display an association with silicified intervals. Estimated grade is <<1%
						Upper contact is irregular and crosscuts S_2. Lower contact is gradational over 10cm
	607.3	608.8			5B6	
						Medium to light gray, non-calcareous non-dolomitic PS_2 silicified Argillite hosts trace-1% disk Po and 0-trace calcite veinlets and clots. Rock is slightly hard, moderately broken and has good recovery. Upper and lower contacts are sharp and $// S_2$
	608.8	609.2			5B6	±S Gouge
						Medium gray gouge is non-calcareous and very weakly to non-dolomitic. Recovery is fair. Upper and lower contacts are sharp and $// S_2$

DDH 91-DY-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: May '91 Logged By: D Zbeedeff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	609.2	609.8			5B6	
						Med. to light gray, non-calcareous, non-dolomitic DS_2 foliated phyllite is slightly soft to slightly hard, moderately broken and has good recovery. Upper and lower contacts are sharp and $//S_2$
	609.8	610.6			5B7G	±8
						Light gray ish green, non-calcareous, non dolomitic unit is strongly to moderately DS_2 foliated and hosts 15-17% 2-3mm chloritized subrounded chloritized (Post D_2?) porphyroblasts which do not appear to be remanent matic crystals locally chloritic knotts distort S_2 slightly. Rock is slightly to moderately soft, strongly broken and has good recovery. Upper and lower contacts are sharp and $//S_2$
	610.6	611.3			5B6	±8 ±02
						Light to medium dark gray, non-calcareous / dolomitic phyllite is generally DS_2 foliated locally CS_2 is well preserved. Unit is sporadically weakly chloritic and slightly green. Rock is slightly soft moderately to strongly broken and has good recovery. Upper contact is sharp at $//S_2$ Lower contact is graded and over ~10-15 cm with an increase in carbonaceous matter down hole

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Ebert

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	611.3	611.9			5A16	± → 5B26
						Dark gray locally black non-calcareous phyllite hosts a moderate to strong graphitic content. Unit hosts 1% wispy Po. Rock is slightly soft, moderately broken and has good recovery. Upper and lower contacts are gradational with less carbon up and down hole.
	611.9	618.6			5B62	
						Medium dark gray, non-calcareous phyllite is generally PS foliated, with CS dominating below 615.4'. Rock hosts a very weak graphitic component and 0-trace Po. Rock is slightly soft, moderately to slightly broken and has good recovery. Upper contact is gradational with less carbon down hole. Lower contact is gradational with a gain in calcite down hole.
	618.6	620.2			5B19	±02
						Medium slightly medium dark gray weakly to moderately calcareous phyllite is CS → PS foliated, slightly silty and contains sporadic hints of very weak carbon content. Rock is slightly soft slightly to moderately broken and has good recovery. Upper contact is gradational with an increase in

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: May '91 Logged By: J. Zucchi

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcite down hole. Lower contact is gradational over 5-10cm with an increase in chloritic alteration down hole.
	620.2	625.6			5FQ	(→ 40° ±1) 70:30
						Medium green, moderately calcareous, moderately chloritic CS2 foliated phyllite is locally weakly to rarely moderately altered to sericite. Sericitic alteration is commonly associated with fine grained and dotty Py. Rarely sericitic alteration is associated with weak to moderate silicification. Rock is generally slightly soft, moderately broken and has good recovery. Internal contacts are gradational. Upper and lower contacts are also gradational.
	625.6	627.5			5FFG14	
						Medium green, non-calcareous, moderately chloritized phyllite hosts an unusual very weak alteration that gives the rock an opaque appearance which obscures the CS2 fabric. Rock is slightly soft moderately broken and has good recovery. Upper and lower contacts are gradational.

DDH 91DY-03

CURRAGH RESOURCES INC.
Lithologic Log

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Date: May '91 Logged By: D. Sinclair

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	627.5	628.8			5F1	# ±1
						light grayish green, moderately calcareous CS$_2$ - foliated phyllite is weakly to moderately silicified below 628.0. Rock varies from moderately soft to moderately hard. Unit is slightly broken and has good recovery. Upper contact is gradational. Lower contact is sharp and // S_2
	628.8	630.9			5C4	(5B80) 95:05
						Medium to medium dark green, moderately calcareous altered metabasite contains 3-5% chloritized mafic minerals stretched into PS_2. Unit also contains 20% 1-2mm subhedral to euhedral feldspar crystals altered to calcite. Unit hosts a 10cm band of chloritic phyllite @ 630.7. Rock is moderately soft slightly broken and has good recovery. Upper and lower contacts are sharp and // S_2
	630.9	636.0			5F9	# (5C4) 95:05
						Medium green, weakly to moderately calcareous, variably chloritized phyllite is typically CS2 → PS_2 foliated and hosts a 15cm band of altered metabasite @ 631.7. Rock is slightly soft, slightly broken and has good recovery. Upper & lower contacts are sharp at // S_2

C.R.I. 1987 F-3A

DDH 91BX-03

CURRAGH RESOURCES INC.
Lithologic Log

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Date: May '91 Logged By: J. Zbeet

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	636.2	642.7			5B8	
						Dark grayish green, weakly to locally moderately calcareous phyllite is uniformly altered with weak to moderate chloritization. Rock is moderately soft, moderately to slightly broken and has good recovery. Upper and lower contacts are sharp and // S_2
						Unit hosts 10% calcite-quartz veins at 642.0-642.5.
	642.7	651.8			5FQ	(10Q##) 90:10
						Medium green, weakly calcareous moderately chloritized phyllite is $PS_2 \rightarrow CS_2$ foliated and hosts 10-12% calcite-quartz and quartz-calcite cm-scale irregular quartz veins at 642.7-647.8. Rock is slightly soft, generally slightly broken, locally strongly broken. Recovery is good throughout. Upper and lower contacts are sharp and // S_2
	651.8	653.3			5A*	± # (5B0 → Sheared) 30:70
						Medium gray, locally dark gray, generally moderately to strongly calcareous phyllite is in sharp contact with upper unit. Interval contains a shear fabric that increases in intensity downhole to 652.7. At 652.7 the shear fabric is strong and unit is moderately to strongly graphitic (5A*). Below 653.1 unit becomes

DDH 91D/-03

CURRAGH R. JURCES INC.

Lithologic Log

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Date: MAY '91 Logged By: J. Knight

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						less sheared and less calcareous → grading into MYL. MYE.
	653.3	677.6			3.60	Medium gray, non-calcareous PS, foliated, slightly hard phyllite, is moderately to strongly broken and has good recovery. Upper contact is graduated over 30cm.
		677.6				EOH

DDH 91DY-03 CURRAGH RESOURCES INC. Page 54 of

ASSAY LOG (SAMPLER'S COPY) Date Feb '91 Logged by Sampled by S. Scallan

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	0.0	544.7					WASTE
	544.7	545.5	652415			5A16	
	545.5	546.2	652416			4D4A	
	546.2	547.6	652417			4A4	AMD #64034
	547.6	549.7	652418			4A4	
	549.7	552.6	652419			4A4	
	552.6	553.3	652510			4D0	
	553.3	554.3	652511			4D0	
	554.3	555.7	652512			5D0	(4A4)
	555.7	558.0	652513			5A61	
	558.0	559.1	652514			5A19	
	559.1	561.3	652515			5A6L	
	561.3	562.4	652516			5A16	
							WASTE
	571.8	572.9	652517			4D0	± 5A6
	572.9	574.1	652518			5A6	± 4D0
	574.1	574.8	652519			4K0	(4G0) 60:40
	574.8	576.1	652610			4K0	(4G0) 60:40
	576.1	576.8	652611			5A19	
	576.8	577.9	652612			5A0	±8
	577.7	579.1	652613			4A0	AMD #64035
	579.1	581.6	652614			5A0	±8 ± 4C0
	581.6	584.1	652615			5A0	±8 ± 4C0
	584.1	585.0	652616			4G0	
	585.0	586.6	652617			5A1	±9 AMD #64036
	586.6	588.3	652618			5A19	±9
	588.3	589.9	652619			4G0	
	589.9	591.5	652710			4G0	
	591.5	592.3	652711			5C4#	
	592.3	594.4	652712			4G4A	
	594.4	595.4	652713			4G4A	
	595.4	596.3	652714			4G4	
	596.3	597.3	652715			4G4	± 5C4#
	597.3	598.4	652716			4G4A	
							WASTE
	603.0	604.9	652717			4L0	

cont'd...

DDH 91-04-03 (2 8) CURRAGH RESOURCES INC. Page 55 of ____

Logged by J. Sherlock

ASSAY LOG (SAMPLER'S COPY) Date Feb 91 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	694.1	697.3	65278			ALO	
							Waste to end of hole

DDH 91-DY-03 (2 of 8)

CURRAGH RESOURCES INC.
Structural Log

Date: April '91 Logged By: J. Zbeetnoff

Code	From	To	Feature	Sym	$S_0 \wedge L_3$ Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		19.7	PS2				66	
		25.6	PS2				81	
		28.7	PS2				80	
		36.6	PS2				61	
		47.0	PS2				81	
		51.4			045		73	Post D3 wind - warps
		54.8	PS2		046		75	S_2 & L_3 warp @ 210°/10°
		59.7	PS2				69	
		66.0	CS2	S		26 030	70	
		71.8	PS2				67	
		77.5	CS2	Z	155	20 160	64	
		82.7	PS2				83	
		88.1	PS2		110		60	
		94.8	PS2		117		77	
		101.0	CS2	S	075	173 018	59	
		106.1	PS2				78	
		113.4	CS2	Z	005	15 180	76	
		119.0	PS2		030		72	
		122.9	CS2	S	030	17 025	70	
		128.6	PS2		115		73	
		132.8	CS2	S	020	12 020	80	
		142.6	CS2	S	126	22 314	80	
		147.3	CS2	S		20 005	76	
		152.2	CS2	S		28 342	70	
		157.9	PS2				76	
		160.7	CS2	S	060	18 055	70	
		171.5	CS2	Z		20 150	75	
		175.3	CS2	S		25 033	75	
		180.6	CS2	S	030	30 030	78	
		184.9	CS2	Z	160	15 152	63	
		190.2	CS2	S		40 042	75	
		197.5	PS2		160		69	
		203.8	CS2	S		25 271	75	
		208.2	PS2				78	
		212.1	CS2	S	105	12 302	72	
		219.5	CS2	S	0	22 000	65	

DDH 91-DY-03 (2 — 8)

CURRAGH RESOURCES INC.
Structural Log

Date: April '91 Logged By: F Zbuchl

Code	From	To	Feature	Sym	Bedding Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
		226.3	PS2		177	—	80	
		232.2	CS2	S	155	40 355	70	
		238.0	CS2	Z	018	10 20P	78	
		242.7	CS2	Z	165	12 165	70	
		249.5	PS2		010	—	77	
		254.8	CS2	Z	—	10 107	83	
		259.9	CS2	Z	088	20 245	69	
		263.4	CS2	Z	—	35 160	75	
		270.3	CS2	Z	090	22 135	83	
		276.3	CS2	S	—	25 089	76	
		283.8	CS2	Z	910	23 198	82	
		289.6	CS2	Z	922	30 245	78	
		297.4	CS2	S	—	20 275	70	
		304.3	CS2	Z	—	25 130	84	
		313.8	CS2	S	—	25 320	80	
		320.6	PS2		—	—	78	
		326.7	PS2		—	—	83	
		332.7	CS2	Z	—	10 228	70	
		338.0	PS2		175	—	80	
		342.8	PS2		—	—	70	
		349.5	PS2		960	—	77	
		356.2	CS2	Z	190	20 105	78	
		360.3	PS2		003	—	82	
		365.3	CS2	S	—	35 320	86	
		369.3	CS2	S	156	10 130	82	
371.6		396.4			—	—	—	MASSIVE DYKE
		396.9	PS2		110	—	82	
		400.5	PS2		010	—	73	
		409.7	CS2	S	120	12 015	68	
		412.0	PS2		165	—	78	
		418.0	PS2		—	—	52	
		424.0	PS2		—	—	80	
		429.6	PS2		—	—	82	
		434.0	PS2		—	—	78	
		441.7	PS2		—	—	76	Cache CS_2
		446.2	PS2		—	—	74	

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: April '91 Logged By: J-Z-H

Code	From	To	Feature	Sym	S_0 L_3 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		453.0	PS2		—	—	84	
		459.0	PS2		020	—	76	
		465.8	CS2	S	060	20 060	82	
		469.5	CS2	S	030	15 005	70	
		474.5	PS2		050	—	73	
		482.5	CS2	S	051	25 025	70	
		488.6	PS2		083	—	69	
		490.6	CS2	S	098	082	76	
		498.8	CS2	Z	035	25 232	80	
		502.8	CS2	Z	—	22 269	61	
		509.7	PS2		—	—	70	
		512.7	CS2	S	—	20 010	65	
		521.8	CS2	S	170	15 037	83	
		525.5	PS2		150	—	84	
		531.5	CS2	Z	—	15 145	65	
		536.8	CS2		165	22 348	65	
								Cont'd Next Page ↓

DDH 91DY-03 (2 — 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Feb '91 Logged By: S. Beckett

Code	From	To	Feature	Sym	S_0 L3 Dip Direct.	S_1 Dip Direct.		S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38		40 44	
		542.3	AS2		149	—		74	
		548.5	CS2	Z	064	32	245	82	Excellent reading within core
		555.4	PS2		056	—		66	
		559.7	CS2	S	069	30	035	75	
		567.7	CS2	Z	015	32	152	71	
		570.4	CS2	Z	032	34	185	58	
		577.6	PS2		057	—		71	
		580.7	CS2	Z	085	24	222	45	
		586.0	CS2	Z	—	25	150	56	
		592.1	CS2	Z	—	25	190	65	
		601.0	PS2		063	—		70	
		604.2	PS2		005	—		64	
		608.7	CS2	Z	012	28	170	67	
		617.6	CS2	S	080	18	066	65	
		622.8	CS2	S	067	20	038	78	
		627.8	CS2	S	010	10	010	63	
		634.9	CS2	S	057	18	032	66	
		637.7	CS2	S	047	28	040	70	
		645.5	PS2		040	—		80	
		650.8	PS2		018	—		74	
		655.0	PS2		—	—		78	
		661.0	PS2		054	—		80	
		668.8	PS2		125	—		66	
		672.5	CS2	Z	—	35	180	74	
		677.5	CS2	Z	075	15	233	82	
									EOH @ 677.6

DDH 91DY-03 (2 / 8) CURRAGH RESOURCES INC. Page 60 of _____

Fault Log Date: April 91 Logged By: S. Sheedy

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	
	147.8	148.8	G3					Gouge ± limonite
	148.8	163.4	B3G					strongly broken 1/5
	100.8	101.6	G3					Gouge
	101.6	102.9	B2S		—	20 155	—	
	102.9	105.0	RP					Rubble in quartz, poor recovery
	158.0	163.9	B3					
	162.9	163.3	BSH					
	163.3	165.2	B3					
	169.7	170.1	B3G					
	178.7	180.8	B2		—	20 240	—	trace gouge
—		201.4	G3			40 000		
—		222.0	G3			25 355		
	230.5	233.1	B3			30 080		± gouge
	257.1	257.7	B3					
		260.8				22 015		1cm slip
		298.1	S2			28 333		1cm healed slip
	298.3	303.0	GB3			05 —		
	303.	305.2	B2					
	305.2	308.5	GB3					

DDH 91DY-03 (2 8)

CURRAGH RESOURCES INC.
Fault Log

Date: April '91 Logged By: D. Scott

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	
	339.6	340.9	GG3					
	341.8	342.3	B2G			25 160		
		366.6	G3			35 335		5cm goy.
	400.8	402.0	S3					
	4 . . 1	413.1	S2			24 050		healed shear 0.5cm
	41 A. 7	415.3	B3S			30		
	415.3	417.9	BBG					
	417.9	420.0	B2G					
	421.4	423.0	S2D			30		healed
	425.3	427.0	D2S					healed
	429.0	432.0	B2					
	433.3	437.8	D3S			36		healed
		441.4	S3			20 320		healed
		441.6	S3			40 260		healed
		445.2	S3			34 345		poorly healed
		454.7	S3			24 920		poorly healed
		459.9	S3			27 020		healed
	461.4	462.4	G3G					
		472.1	S3			05 205		weakly healed

DDH 91D4-03 (2 — 8)

CURRAGH RESOURCES INC.
Fault Log

Date: MAY '91 Logged By: BZ

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	
		475.1	S3			13 132		well healed
	478.3	479.6	GB3		25 255	28 070	32 31P	
		489.0	G2S			4P 218		poorly healed
		489.1	S3			5P 06P		healed
		490.6	S3			45 20P		healed
	496.8	499.5	B2					
	504.2	506.3	B2					
	506.3	513.0	B1					
	513.0	513.6	B3					
	516.6	518.9	B3G					
	527.4	529.7	B2S					
	529.7	544.7	B2					
	566.6	567.3	B3G					
	608.8	609.2	G3					// S_2
	651.8	652.7	S3G					± healed
	652.7	653.0	S3					healed SA*
		677.6						EOH.

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-03

Units: Feet / Metres Date: April '91 Logged By: J. Zecchetti Page 63 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
6.1																			
18.3																		NQ	CASING
19.8	1.1	0.2	R_2	7	2	1	14	10	J					22	12	10	S		0/B
25.4	5.3	2.6	R_2	9	2					3	14	10	J	52	12	10	S		Locally broken
28.3	2.3	0.5	R_1	3	5	2	14	10	J					48	10	18	SG		sporadic gouge / limonite
29.4	1.1	0.4	R_2	9	2	2	16	6	J	1	10	6	J	16	8	6	S		
32.8	2.9	0.6	R_2	3	3	3	16	10	J	9	16	10	J	54	10	10	S		Mod limonite
35.8	3.0	2.0	R_2	11	2	1	14	10	J	9	12	10	S	10	12	10	S		
36.6	0.8	0	R_2	6	3	6	12	12	J					7	12	10	S		
40.1	3.5	1.6	R_2	11	2	3	14	10	J	17	14	10	S	12	12	6	S		
41.1	0.7	0	R_2	3	3					5	12	13	S	20	12	13	S		
47.6	6.5	2.7	R_2	12	2	7	14	10	J	12	14	10	S	25	14	6	S		
50.9	1.3	0	S_2	2	4	4	12	16	G	8	12	16	S						Locally strongly broken
56.7	5.6	1.0	R_2	7	2	6	14	10	J	19	14	6	S	90	12	6	S		
61.3	4.6	0.5	R_2	6	1	3	16	6	J	5	12	6	S	71	12	6	S		rare gouge $11 S_2$
63.5	2.0	0	R_2	6	1	1	10	6	J	3	14	10	J	53	12	10	S		
68.5	5.0	2.0	R_2	9	1					14	12	6	S	35	12	6	S		
73.5	5.0	1.6	R_2	7	1	1	16	6	J	7	12	6	S	42	14	6	S		
75.0	1.5	1.2	R_2	11	1					3	14	6	S	6	12	6	S		
76.5	1.5	0.4	R_2	7	1	1	16	6	J					19	12	6	S		
77.9	1.4	1.1	R_2	11	1									11	12	6	S		
82.3	4.4	1.7	R_2	9	1	2	18	6	J	5	12	6	S	48	12	6	S		
87.6	5.3	1.7	R_2	9	1					3	16	6	J	76	12	6	S		
89.6	2.0	1.7	R_2	11	1									13	12	6	S		
93.1	3.5	1.4	R_2	9	1	1	18	6	J	1	12	6	S	44	10	6	S		
97.4	4.3	0.9	R_2	7	1									81	12	6	S		
99.7	2.3	0.9	R_2	9	1	1	16	6	J	2	14	6	J	24	12	6	S		
100.8	1.1	0.8	R_2	11	1					4	14	6	S	4	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-03

Units: Feet / Metres Date: April '91 Logged By: S. Zbeetnoff B Page 64 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
101.5	0.4	0	S_3	1	2													NQ	Gouge
103.1	1.6	0.9	R_2	11	2	3	18	6	J	3	16	10	J	9	16	16	G		
105.0	0.7	0	$R_2/3$	5	2									11	12	10	S		Rubble poor recovery
108.5	3.5	2.2	R_2	10	1					1	18	6	J	30	10	6	S		
111.9	3.4	0.9	R_2	7	1					1	18	6	J	58	12	6	S		
113.6	1.7	1.4	R_2	11	1									11	12	6	S		
116.3	2.7	0.4	R_2	7	1					1	16	6	J	45	10	10	S		Sporadic gouge in S_2
121.0	3.7	2.0	R_2	11	1	3	18	10	J					36	12	6	S		
123.7	2.7	2.0	R_2	11	1									21	12	6	S		
125.1	1.4	0	$R_2/3$	7	1	3	18	6	J	3	16	6	J	10	14	6	S		2+2 fractured
130.2	5.1	1.8	R_2	9	1					3	14	6	J	64	12	6	S		
136.3	6.1	3.8	R_2	10	1	3	16	6	J					54	12	6	S		
142.3	6.0	4.2	R_2	10	1	1	14	16	G	5	16	6	J	46	14	6	S		
145.8	3.5	2.4	R_2	11	1					2	14	6	J	27	12	6	S		
151.5	5.7	4.2	R_2	12	1					2	16	6	J	28	12	6	S		
158.5	7.0	6.6	R_2	12	1	1	18	6	J					38	12	6	S		
162.9	4.4	0.3	R_1	7	2	3	16	6	J					84	12	6	S		
165.5	2.3	0.4	R_1	5	2	2	14	16	J	5	12	10	J	40	12	10	S		
169.5	3.7	1.7	R_2	9	1	3	14	6	J					32	12	6	S		
170.3	0.6	0	R_1	2	2														Gouge @ crushed rock
171.9	1.6	0.2	R_2	7	1	1	18	6	J					21	14	6	S		
178.7	6.8	4.5	R_2	14	1	3	18	6	J					39	12	6	S		
180.8	2.1	0.2	R_2	6	1					3	14	10	J	41	10	10	S		minor gouge
186.6	5.8	3.9	R_2	11	1	1	18	6	J	3	18	6	J	40	12	6	S		
187.3	0.7	0.1	R_2	7	1					1	18	6	J	11	12	6	S		
190.3	3.0	2.6	R_2	12	1	1	14	6	J					21	12	6	S		
191.5	1.2	0	R_2	7	1	1	16	10	J					24	14	6	S		
196.6	5.1	4.5	R_2	11	1									36	12	6	S		

196-6

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-03

Units: Feet / Metres Date: April '91 Logged By: J. Zbeetoff Page 65 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
199.0	2.4	1.3	R_2	10	1	2	18	6	J					31	14	6	S	NQ	
200.4	1.4	1.4	R_2	12	1									4	14	6	S		
201.8	1.4	0.6	R_2	9	1	2	16	6	J	1	10	16	G	11	14	6	S		
206.7	4.9	3.2	R_2	11	1									27	14	6	S		
210.7	4.0	2.2	R_2	7	1				J	2	12	6	S/J	40	12	6	S		
212.2	1.5	1.2	R_2	10	1	2	14	6	J					11	10	6	S		
213.6	0.8	0	R_2	7	1								+	16	12	6	S		mislatch - lost core
214.7	1.1	1.0	R_2	11	1									7	12	6	S		
215.5	1.2	0	R_2	7	1	1	14	6	J					16	12	6	S		
220.8	5.3	4.8	R_2	11	1					2	14	6	J	17	12	6	S		
222.2	1.4	0.2	R_2	7	1	4	18	6	J					12	12	6	S		
223.8	1.6	1.2	R_2	11	1	2	18	6	J	1	18	6	J	7	14	6	S		
225.1	1.3	0	R_2	6	1	3	18	6	J					31	10	6	S		
230.3	5.2	4.6	R_2	12	1	3	14	6	J	2	16	6	J	26	12	6	S		
233.2	2.9	0.4	R_2	5	1	4	14	16	J	5	16	10	J	51	12	10	S		
239.9	6.7	5.5	R_2	12	1					3	14	6	J	41	12	10	S		
250.1	10.2	8.0	R_2	12	1					4	16	6	J	50	12	6	S		
252.1	2.0	0.6	R_2	7	1	8	16	6	J					21	12	6	S		
256.9	4.8	4.5	R_2	12	1					2	16	6	J	26	12	6	S		
258.4	1.5	0.3	R_2	7	1					3	14	10	J	21	14	6	S		
260.7	2.3	1.9	R_2	11	1									14	12	6	S		
265.2	4.5	3.0	R_2	10	1	2	14	6/16	J/G					43	12	6	S		
267.4	2.2	0.1	R_2	7	1									22	10	6	S		
274.8	7.4	6.6	R_2	14	1	1	16	6	J					41	12	6	S		
282.6	7.8	6.8	R_2	14	1									39	12	6	S		
290.4	8.8	8.2	R_2	14	1									31	12	6	S		
291.9	1.5	0.4	R_2	7	1									28	12	6	S		
293.2	1.3	1.1	R_2	11	1									7	12	6	S	V	

293.2

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-03

Units: Feet / Metres Date: April '91 Logged By: JESudd D

Page 66 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
294.1	0.6	0	R_2	5	1	1	16	6	J	10	12	6	S	2	16	6	S	NQ	
298.2	4.1	3.9	R_2	11	1					1	18	6	J	18	14	6	S		
303.0	2.4	0.3	R_1	3	2	4	12	16	G	7	12	10	S/J	21	14	10	J/S		FAULT - Lost core / gouge
305.2	2.2	0.5	R_2	9	2	1	14	16	J	4	16	10	J	27	12	10	S		
308.5	2.4	0	R_1	3	2														mostly rubble - various fractures orient.
309.9	1.4	0.3	R_2	7	1					3	14	6	J	19	14	6	S		
311.8	1.3	0	R_2	3	2	6	16	10	J					40	10	10	S		core gouge
312.9	1.1	0.7	R_2	11	1					2	14	6	J	9	14	6	S		
313.6	1.7	0	R_1	7	3					1				15	12	6	S		Blocky rock
317.5	3.9	2.7	R_1	11	3									35	12	6	S		"
318.9	1.4	0	R_1	7	3	2	16	10	J					34	12	10	S		"
325.2	6.3	5.8	R_2	12	1	2	18	10	J	3	14	6	J	29	12	6	S		
326.1	0.9	0.2	R_2	7	1					4	16	10	J	10	12	6	S		
334.4	8.3	8.2	R_2	14	1					2	12	6	S	36	12	6	S		
338.9	4.5	3.6	R_2	12	1									33	12	6	S		
340.8	1.4	0.2	R_1	5	2	7	14	10	J					16	12	16	S		
342.3	1.5	0.4	R_2	9	1									19	12	10	S		5cm gouge @ 342.3
349.0	6.7	6.4	R_2	14	1									20	12	6	S		
350.4	1.6	0.8	R_2	10	1									18	12	6	S		
351.7	1.3	1.1	R_2	11	1									11	12	6	S		
352.6	0.9	0.3	R_2	7	1									21	12	6	S		
253.9	1.3	0.8	R_2	10	1	2	14	6	J					10	12	6	S		
362.3	8.4	8.0	R_2	14	1									26	12	6	S		
365.0	2.7	0.2	R_2	6	1	2	14	16	J/G					35	12	6	S		
365.9	0.9	0.8	R_2	11	1									6	10	6	S		
367.8	1.9	0.3	R_3	7	1					3	12	16	G	26	12	6	S		10cm gouge @
371.6	3.8	3.4	R_3	13	1									23	10	6	S		
373.9	2.3	1.6	R_3	11	1	3	14	6	J					13	14	6	J	V	DYKE

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-03

Units: Feet / Metres Date: May '91 Logged By: E. Zbeda Page 67 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
380.1	6.2	4.4	R_3	14	1	5	12	6	J	3	12	6	J	12	12	6	J	NQ	DYKE Low angl. fracs common.
384.6	4.5	4.1	R_3	14	1	4	12	6	J	5	12	6	J	11	12	6	J		"
386.2	1.6	0.2	R_3	9	1	4	14	6	J	2	12	6	J	7	14	6	J		DYKE V. Lowangl fracs very com
389.2	3.0	2.4	R_3	12	1	2	12	6	J	7	12	6	J	8	12	6	J		DYKE
392.0	2.8	2.4	R_3	11	1	5	14	6	J	3	12	6	J	8	14	6	J		DYKE
396.4	4.4	4.1	R_3	14	1	1	14	6	J	5	14	6	J	5	14	6	J		DYKE
399.6	3.2	3.0	R_2-R_3	13	2	1	16	6	J	—	—	—	—	17	14	6	S		± Hard phyllite
400.6	1.0	0.9	R_2	10	1	—	—	—	—	—	—	—	—	6	12	6	S		
404.2	2.0	0.7	R_2	7	1	—	—	—	—	3	18	6	J	42	12	6	S		Mod. Core loss
407.7	3.3	2.5	R_2	11	1	—	—	—	—	5	16	6	J	25	12	6	S		
410.5	2.8	2.6	R_2	14	1	—	—	—	—	1	16	6	J	14	12	6	S		
411.2	1.3	0.1	R_2	7	1	—	—	—	—	1	16	6	J	25	12	6	S		
412.7	1.5	0.2	R_2	9	1	1	16	6	J	—	—	—	—	22	12	6	S		
414.6	1.9	1.6	R_2	13	1	—	—	—	—	—	—	—	—	14	12	6	S		
417.9	1.7	0.1	R_1/R_3	5	1	—	—	—	—	—	—	—	—	—	—	—	—		crushed ± gouge mod core loss
419.1	1.2	0.5	R_2	9	1	3	16	10	J	2	8	10	J	5	12	10	S		
420.5	1.2	0.2	R_2	7	1	—	—	—	—	2	16	10	J	16	16	10	S		± gouge
426.4	5.9	5.5	R_2	14	1	3	16	6	S	—	—	—	—	17	12	6	S		
427.7	1.3	0.7	R_2	9	1	—	—	—	—	—	—	—	—	14	12	6	S		
429.3	1.6	1.1	R_2	12	1	—	—	—	—	—	—	—	—	9	12	6	S		
431.3	2.0	0.3	R_2	7	1	4	16	6	S	1	14	6	S	16	12	6	S		
437.8	5.5	4.9	R_2	14	1	3	14	6	S	—	—	—	—	19	12	6	S		
439.2	1.6	0.3	R_2	7	1	—	—	—	—	5	14	6	J	18	12	6	S		
441.6	2.4	2.4	R_2	12	1	—	—	—	—	—	—	—	—	10	12	6	S		
442.8	1.2	0.6	R_2	10	1	1	14	6	S	—	—	—	—	12	12	6	S		
447.0	4.2	3.7	R_2	14	1	2	14	6	S	—	—	—	—	20	12	6	S		
447.6	0.6	0	R_2	6	1	1	14	6	S	—	—	—	—	18	12	6	S		
450.1	2.5	2.0	R_2	12	1	—	—	—	—	—	—	—	—	16	12	6	S	V	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91 DY-03

Units: Feet / Metres Date: MAY '91 Logged By: S. Zbeetnoff Page 68 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
451.6	1.5	1.1	R_2	11	1	1	16	6	J	1	16	6	J	9	12	6	S	NQ	
454.6	3.0	2.6	R_2	11	1	1	12	6	J					20	12	6	S		
457.0	2.4	0.6	R_2	9	1	2	12	6	J	5	12	10	J	30	12	6	S		
460.0	3.0	2.6	R_2	12	1					1	10	16	G	17	12	6	S		
461.4	1.4	0.2	R_2	8	1					1	12	6	J	16	10	6	S		
462.4	0.6	0	$R_2/_1$	2	2														crushed rock & gouge
464.0	1.6	0.6	R_2	9	1					1	12	6	J	21	12	6	S		
466.0	2.0	1.9	R_2	11	1									13	12	6	S		
476.9	10.9	10.6	R_2	14	1	2	16	6	J					37	12	6	S		
477.8	0.9	0.6	R_2	10	2	2	16	6	J					10	12	6	S		
479.6	1.4	0.1	R_1	2	3	1	14	10	J	4	10	16	G	25	12	10	S		
482.0	2.4	2.1	R_2	12	1									14	12	6	S		
485.1	3.1	2.1	R_2	10	1									32	12	6	S		
486.4	1.3	1.3	R_2	12	1									6	12	6	S		
488.0	1.6	0.6	R_2	9	1					3	14	6	J	13	12	6	S		
494.3	5.7	2.4	R_2	9	1	3	16	6	J	3	14	10	J	52	12	6	S		
496.7	2.4	2.1	R_2	11	1					1	16	6	J	13	12	6	S		
499.4	2.7	0.2	R_2	6	1					3	14	6	J	50	12	6	S		
504.3	4.9	4.4	R_2	12	1									31	12	6	S		
506.3	2.0	0	R_2	7	1	5	14	6	J					37	14	6	S		
509.0	2.7	2.2	R_2	10	1					5	14	6	J	25	12	6	S		
511.7	2.7	1.6	R_2	11	1					3	14	6	J	23	12	6	S		
513.6	2.9	0.5	R_2	6	1	1	16	6	J					29	12	6	S		
516.7	3.1	2.3	R_2	10	1					1	16	6	J	23	12	6	S		
519.2	2.5	0	R_2	5	1	3	16	6	J					43	10	10	S		
520.3	1.1	0.8	R_2/R_3	10	1					3	12	6	J	14	12	6	S		Qtz Vns
523.3	3.0	2.5	R_2	12	1	1	16	6	J	1	12	6	J	18	12	6	S		
524.6	1.3	0.5	R_2	9	1	2	16	6	J					17	12	6	S		
527.4	2.8	2.4	R_2	13	1									16	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-03

Units: Feet / Metres Date: FEB 11/91 Logged By: RW/DRH Page 69 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
529.8	2.4	0.9	R_2	9	1	15	14	16	J/G	7	14	10	J	6	14	10	S/J	NQ	computed S_2
531.3	1.5	1.2	R_2	10	1	—	—	—	—	—	—	—	—	13	12	6	S	NQ	
534.5	3.1	1.0	R2	9	1	Ø	—	—	—	1	17	10.0	J	47	11	4.0	S		
537.7	3.0	0.8	R2	10	1	Ø	—	—	—	1	14	10.0	J	54	12	3.0	S		
540.7	3.0	1.0	R2	9	1	1	11	10.0	J	3	16	10.0	J	38	12	5.0	S		
543.5	2.6	1.0	R2	10	1	1	16	10.0	J	1	16	10.0	J	37	12	5.0	S		
546.5	2.9	1.0	R2	11	1	1	15	10.0	J	1	16	10.0	J	47	11	4.0	S		
549.6	3.0	2.2	R3	12	1	2	14	10.0	J	1	16	10.0	J	28	11	6.0	S		
552.6	2.8	2.0	R3	14	1	1	12	10.0	J	1	15	10.0	J	20	11	6.0	S		
555.7	3.1	1.6	R3	13	1	1	16	10.0	J	3	14	10.0	S	23	12	6.0	S		
558.7	2.9	2.2	R2	14	1	1	14	10.0	J	2	13	10.0	S	23	12	6.0	S		
559.9	1.2	0	R2	7	1	2	13	10.0	J	1	12	10.0	J	30	12	6.0	S		
561.3	1.1	0	R2	8	1	1	16	10.0	J	1	16	10.0	J	31	12	6.0	S		
564.3	2.9	2.1	R2	12	1	Ø	—	—	—	10	12	10.0	S	15	12	10.0	S		
566.6	2.3	1.3	R2	14	1	Ø	—	—	—	2	14	10.0	J	17	12	10.0	S		
568.5	1.6	0.1	R2	8	1	1	14	10.0	J	2	12	10.0	S	39	12	10.0	S		
569.4	0.9	0	R2	9	1	1	16	10.0	J	2	12	10.0	S	16	12	10.0	S		
571.8	1.9	0.1	R2	11	1	1	16	10.0	J	7	13	10.0	S	32	12	6.0	S		
573.3	1.1	0	R2	8	1	1	14	10.0	J	4	12	10.0	S	24	12	6.0	S		
576.0	2.7	0.7	R2	11	1	2	16	10.0	J	2	12	10.0	S	32	12	6.0	S		
577.3	1.1	0.25	R2	9	1	1	16	10.0	J	2	12	10.0	S	22	12	6.0	S		
580.3	3.0	1.4	R2	10	1	1	14	10.0	J	4	14	10.0	S,J	34	12	6.0	S		
583.4	3.0	0.5	R2	9	1	2	14	10.0	J	13	14	10.0	S	53	12	3.0	S		
586.4	3.0	1.2	R2	14	1	2	14	10.0	J	6	13	10.0	S	45	12	4.0	S		
589.2	2.5	1.0	R_2	9	1	3	20	6	J	1	14	6	S	15	12	6	S		
592.4	3.1	2.0	R_2	12	1	1	14	10	J	2	20	10	S	29	12	6	S		
595.4	3.1	2.8	R_2	14	1	1	14	6	J	—	—	—	—	12	12	6	S		
596.5	1.0	0.8	R_2	14	1	1	12	6	J	—	—	—	—	4	12	6	S		
598.9	2.0	1.5	R_2	12	1	4	10	6	J	—	—	—	—	6	14	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-03

H

Units: Feet / Metres Date: FEB 11/91 Logged By: F. Sheet Page 70 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt. CA												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
600.5	1.3	0.7	R_2	11	1					6	14	6	S	9	12	6	S	NQ	
603.5	2.9	1.3	R_2	7	1					6	12	6	S	22	12	6	S		
606.7	3.2	2.6	R_2/R_1	13	1									15	14	6	S		
608.8	2.1	1.8	R_2	11	1					1	16	16	S	12	12	6	S		
609.2	0.3	0	S_3	1	2														100% Gouge
613.7	6.3	0.9	R_2/R_1	7	2	2	10	10	J	5	12	16	G	53	12	10	S		
615.2	1.5	0.9	R_2	11	1									19	12	6	S		
619.0	3.8	3.3	R_2	12	1									25	12	6	S		
620.2	0.8	0.3	R_2	9	1					2	14	6	S	13	12	6	S		
620.7	0.5	0	R_1	5	2	2	10	16	G					9	10	16	G		talc / clay on sutures
625.2	4.5	3.8	R_2	12	2	5	8	6	J	2	14	6	S	28	12	6	S		
626.5	1.3	0.5	R_2	7	2	1	12	6	J					16	12	6	S		
632.2	5.7	5.4	R_2/R_1	12	2									24	14	6	S		
634.3	2.1	0.9	R_2	7	2					4	14	6	S	17	12	6	S		
637.7	3.4	3.0	R_2	12	1									23	12	6	S		
640.7	2.8	2.0	R_2	10	1					2	10	16	G	25	12	6	S		
645.6	4.9	1.3	R_2	7	1	9	12	10	S					85	10	10	S		
651.5	5.9	5.3	R_2	12	1									29	12	6	S		
652.6	1.1	0.5	R_2	9	1					4	10	16	G	13	12	10	S		
653.3	0.7	0.6	R_2	11	1									4	12	6	S		
655.2	1.9	0.7	R_2	9	1	2	14	10	J					19	14	6	S		
659.4	4.2	1.0	R_2	7	1					12	16	10	J	50	12	6	S		
660.2	0.8	0.7	R_2	11	1									5	12	6	S		
663.6	3.4	0.7	R_2	7	1					7	14	10	J	53	12	6	S		
665.4	1.8	0.4	R_2	7	1					5	14	6	J	25	12	6	S		
666.4	1.0	0	R_2	6	1	3	16	6	S					21	12	6	S		
669.3	2.9	0.6	R_2	7	1	2	16	6	S					45	10	6	S		
671.4	1.9	1.4	R_2	10	1									24	10	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-03

I

Units: Feet / Metres Date: MAY'91 Logged By: S. Z5...DR Page 71 of 71

671.4

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
673.0	1.6	0.1	R_2	7	1	3	12	6	J	—	—	—	—	34	10	6	S	NQ	
674.0	1.0	1.0	R_2	12	1	—	—	—	—	—	—	—	—	5	10	6	S		
675.0	0.8	0	R_2	6	1	—	—	—	—	—	—	—	—	24	10	6	S		± crushed
677.6	2.6	1.4	R_2	10	1	—	—	—	—	—	—	—	—	31	12	6	S		
																			EOH @ 677.6

CURRAGH RESOURCES INC.

Page 1 of 1

DIAMOND DRILL CORE LOG

Date: Feb. 15/91

Hole Number: 91DY-04

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: B ZONE, DY DEPOSIT

Claim: _____

Terr.Plane Co-ords.: _____ N

_____ E

Grid Co-ords: _____

Elevation: _____

All symmetry determinations looking

Total Depth: _____

_____ with _____ dipping

Inclination: VERTICAL (AT COLLAR)

_____ with dip azimuth _____.

Purpose: INFILL PROGRAM TO TEST MINERALIZATION CONTINUITY

Reason hole Terminated: HOLE REACHED MINERALIZATION, DESIRED DEPTH (HURRIED BY DY PROJECT DRILLING TERMINATION)

Logged by: D.R. HALLIWELL

Date(s) Logged: _____

Drilling Contractor: CARON DIAMOND DRILLING

Size	CORE From	To
NQ		

Collar Cased and Capped: _____

Hole Cemented: YES

Steel down Hole: _____

Assay Lab: N.A.L.

Certificate No's: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 91DY-04 (2 / 8)

Date: Feb 15/91 Logged By: D. Halliwell

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
I	2 8	10 16	17 24	25 32	34 39	41 42	
T	91DY-04				METRES	S2	

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

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0.0	4.6			#	CASING (casing removed altered hole completed & cemented
	4.6	8.1			5B09	Medium gra. moderately to weakly calcareous D_2 folded phyllite is moderately broken and hosts minor limonite alteration on sporadic S_2 planes above 6.0m. Lower contact is sharp, // S_2 and marked by a 10cm qtz-calcite vein.
	8.1	12.0			5B335	→ 5E05 light gray, bluish gray when wet intensely calcareous unit is very finely laminated extremely fine grained and is equally S_2 and P_2 foliated. Unit is moderately to strongly broken and has good recovery. Upper and lower contacts are very sharp and // S_2
	12.0	38.4			5B01	(→5B02 : 5B03→5E0) 97:05:03 Modu- gray, generally weakly to moderately calcareous P_2 foliated phyllite hosts 5-7% 5-15cm bands of phyllite which are slightly carbonaceous and 3-5% 2-5cm bands of intensely calcareous phyllite approaching marble.

DDH 91DY-04 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. McCarthy

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						All units are slightly soft to slightly hard moderately broken and have good recovery throughout. Upper and lower contacts are sharp and $\parallel S_2$. Lower contact is marked by minor gouge band.
	38.4	41.2			5B01	crushed ± gouge. Medium gray, weakly to strongly calcareous throughout, PS_2 foliated phyllite is very strongly broken, locally crushed and hosts sporadic gouge zones < 5cm wide. Fractures are strongly S_2 dominant. Upper and lower contacts are sharp and $\parallel S_2$. Recovery is fair to good.
	41.2	46.6			5B2	(5B02) 90:10 Medium gray, locally medium dark gray, PS_2 foliated phyllite is moderately calcareous rarely strongly calcareous. Unit is locally slightly carbonaceous in 2-5cm bands and commonly with grad. contacts occasionally with sharp contacts. Unit is generally moderately broken, sporadically strongly broken in 10-20cm intervals. Recovery is good. Upper and lower contacts are sharp and $\parallel S_2$

DDH 91DY-04 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Page 5

Date: MAY '91 Logged By: B. Sinclair

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	46.6	49.0			5B23	
						Dark gray moderately, locally strongly calcareous PS_2 foliated phyllite is moderately carbonaceous, moderately broken and hosts 0-trace fine grained Py veins. Upper and lower contacts are sharp and $//S_2$
	49.0	63.1			5B01	(5B02 ± → 5B2) 85 : 15
						Medium gray locally medium dark to dark gray, moderately to strongly calcareous phyllite is PS_2 foliated and locally slightly raisly moderately carbonaceous. Carbon content varies with gradational contacts except for lowest contact of interval which is sharp and $//S_2$ Rock is slight salt to slightly hard, moderately broken and has good recovery. Upper and lower contacts are sharp and $//S_2$
	63.1	65.3			5B03	5 → 5K0 ± healed breccia
						Medium to light gray locally bluish gray when cut, very strongly to intensely calcareous unit is PS_2 foliated and commonly finely laminated. Unit hosts a strong, well healed breccia with a calcite matrix @ 64.0-65.3 Fragments are local highly angular and moderately to strongly rotated. Rock is moderately broken, slightly hard to slightly salt and has good recovery. Upper and lower contacts are sharp and $//S_2$

CRI 1987 F-3A

DDH 91DY-04

CURRAGH RESOURCES INC.

Lithologic Log

Page 6

Date: May '91 Logged By: S. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	65.3	88.3			5B9	±5 (5B20) 85:15
						Medium gray locally medium dark gray strongly to moderately calcareous throughout, PS_2 and S_2 foliated is sporadically finely laminated. Unit is sporadically weakly carbonaceous with gradational contacts most common. Intrusive contains trace fine grained pyrite. Rock is generally moderately to slightly broken, rarely strongly broken. Recovery is good throughout. Upper and lower contacts are sharp and $//S_2$
	88.3	89.0			5B61	± → 0 weak fault.
						Medium gray generally non-calcareous rarely very slightly calcareous PS_2 foliated phyllite is strongly broken and contains a 15cm fault zone at 88.5. Recovery is fair within fault, good elsewhere. FAULT trends 25-30° w.r.t C.A. Upper and lower contacts of intrusive are fairly sharp and $//S_2$
	89.0	128.7			5B9	(5B20) 85:15
						Medium gray locally medium dark gray strongly calcareous PS_2 foliated phyllite is locally slightly carbonaceous. Unit is generally moderately to slightly broken and has good recovery. At 94.4-94.9 unit is strongly broken, hosts minor gouge

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY'91 Logged By: S. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and has fair recovery. Upper contact is sharp and $1/5_2$. Lower contact is gradational over 20cm. Unit hosts trace-1% fine-grained pyrite, 3-4mm subhedral pyrite grains are rare.
	128.7	131.0			5B6	±3 (5E05→ $: 10Q$ ± #) 65:30:05
						Medium gray generally non-calcareous phyllite is PS_2 foliated and moderately broken. Interval contains 30% light gray, blue-gray when wet, finely laminated rock that is only weakly calcareous. Light gray rock is also very slightly translucent when wet and emanates 5E0 appearance - all except a reduced calcareous nature and a conversion to dolomite is suspect. Interval also hosts 5% dm scale quartz-dolomite ± calcite veins. Dolomite ± clay fractures are common below 130.2 and are oriented at a low angle to core axis. Upper contact is gradational with a loss of calcite downhole over 20cm. Lower contact is broken
	131.0	133.2			5B6	FAULT
						Medium to light gray non-calcareous interval & consists of 70% weakly to moderately lithified gouge with local wall rock fragments. 30% of interval is strongly broken PS_2 foliated phyllite that hosts low angle fractures (wrt CA)

DDH TIDY-04

CURRAGH RESOURCES INC.

Lithologic Log

Date: MAY '91 Logged By: J. Zecevich

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Recovery is fair. Upper contact is broken. Lower contact is gradational with a gain in calcite down hole
	133.2	169.8			5B0	
						Medium gray, moderately to strongly calcareous PS foliated phyllite is moderately broken, slightly salty to slightly hard and has good recovery. Unit hosts trace - 1% 2-3mm euhedral and subhedral pyrite grains. Upper contact is gradational over 20cm, lower contact is sharp and // S_2
	169.8	181.4			5B0	(5B62→5B26) 60:40
						Medium to light gray PS foliated phyllite host 40% medium dark to dark gray, non calcareous beds of weakly to moderately carbonaceous phyllite. Non carbonaceous and carbonaceous phyllites occur typically in cm-scale rarely dm scale beds and generally have sharp contacts // S_2. Gradational contacts are less common. Medium to light gray phyllite is moderately to strongly calcareous. Interval hosts trace - 3% fine grained and 1-3mm euhedral and subhedral pyrite. Pyrite is slightly more common within the more carbonaceous beds. Upper and lower contacts are sharp and // S_2

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY'91 Logged By: JScott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	181.4	187.0			5BO	
						Medium gray moderately to weakly calcareous phyllite is strongly PS foliated and exceptionally boring and bland. Unit hosts 0-trace clotty Po and trace-1% clotty Py. Rock is slightly to moderately soft, moderately broken and has good recovery. Upper contact is sharp and // S_2. Lower contact is gradational over 10's of cm displaying a reduced PS fabric and an increase in calcareous nature down hole.
	187.0	191.1			5BO	(5B3 → 5EO) 93:07
						Medium gray moderately calcareous CS_2 foliated phyllite hosts 7-10% cm-scale bands of light gray, blueish gray when wet, very strongly to intensely calcareous bands commonly // S_2 occasionally // S. Interval contains trace-1% Po and Py. Rocks are slightly soft, slightly to moderately broken and has good recovery. Upper and lower contacts are gradational.
	191.1	191.8			5B6 ?	FAULT
						Medium gray locally tarnished brownish gray, weakly dolomitic PS foliated phyllite hosts a 10cm gouge zone at 191.4. Gouge contains sharp contacts trending @ 220/43 @ upper contact and 065/25 @ lower. Lower contact measurement is suspect to contain rotated S_2. Beside gouge zone

DDH 91DY-04 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: B. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						rock is moderately broken // S_2 and recovery is good throughout. Upper and lower contacts of interval are gradational over 1-2 cm.
	191.8	213.1			5BQ	
						Medium gray, moderately calcareous, very rarely strongly calcareous phyllite is S_2, rarely C_2 foliated and hosts 5% quartz-calcite veins generally on the dm-scale and ~ // S_2. Unit is moderately broken, slightly soft and has good recovery. Upper and lower contacts are gradational over 1-2 cm with a gain in calcite towards interval. Unit hosts 1%, 2-3mm euhedral pyrite grains.
	213.1	217.4			5B6$_1$	± crushed
						Medium to light gray, slightly tannish yellow, weakly dolomitic phyllite is commonly CS_2 foliated. Interval is generally moderately to strongly broken and crushed with minor gouge coatings @ 215.4 - 216.3. Recovery is generally good, fair where crushed. Rock is slightly to moderately soft. Upper and lower contacts are gradational over a couple of cms. with a loss in calcite inwards. Unit hosts no visible pyrite

DDH 91-DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: T. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	217.4	243.4			5BQ	(5BG) 97:03
						Medium gray, moderately to weakly calcareous generally PS foliated phyllite hosts 3-5% 10-20cm bands of medium to medium dark gray non-calcareous PS foliated phyllite. Non-calcareous bands are scattered throughout. All units hosts 1-2% 2-3mm subhedral and euhedral pyrite and trace - 1% 3-5mm euhedral pyrite grains. All units are moderately broken, slightly silty and have good recovery. Upper and lower contacts are gradational over 1-2cm with a gain in calcite towards.
	243.4	244.9			5BGS	± gouge
						Medium gray slightly tarnished yellow, weakly dolomitic PS foliated phyllite is moderately broken from 243.4 - 244.2. Unit is crushed with moderate gouge at 244.2 - 244.9. Rock is slightly to moderately silty, and generally has good recovery, with poor to fair recovery below 244.2. Unit hosts 0-trace euhedral pyrite clots <3mm wide. Upper and lower contacts are gradational.
	244.9	247.3			5BQ	± crushed (5BGS) 98:02
						Medium gray, generally moderately calcareous locally strongly calcareous phyllite is CS→PS foliated and is generally strongly to very strongly broken and locally crushed in 10-20cm intervals. Interval hosts 3-4% 1-3cm bands of weakly dolomitic phyllite

DDH ALDY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J-Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						that shows no correlation to crushed intervals. Rocks are slightly to moderately soft and hosts rare slightly tarnished 1-3mm anhedral pyrite grains. Recovery is fair to poor. Upper contact is gradational; lower contact is strongly broken.
	247.8	255.4			5B6	crushed ± gouge (5B6$) 99:01
						Medium to slightly medium dark gray, non calcareous very rarely weakly dolomitic PS_2 phyllite is very strongly broken, commonly crushed and hosts sporadic gouge with crushed rock. Unit hosts no visible Py. Recovery is fair locally poor. Upper contact is strongly broken, lower contact is gradational.
	255.4	264.5			5BPB	(5B6 → crushed) 97:03
						Medium gray, slightly greenish gray, strongly to very strongly calcareous phyllite hosts a very well developed CS_2 texture and 0-trace 2-3 mm subhedral pyrite grains. Unit is generally moderately broken locally very strongly broken with minor gouge and is non-calcareous and tarnished yellow. Rock is slightly chloritized, slightly to moderately soft and has good recovery. Upper contact is gradational, lower contact is sharp, and marked by a 10cm quartz-calcite vein $1/S_2$

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY'91 Logged By: F. Sheehan

Code	From	To	Recov.	No.	Unit	Description
	264.5	272.2			5BGL	(5D6 : 10Q#) 94 : 05 : 01
						Moderate to medium dark gray phyllite hosts a weak PS_2 fabric and a very weak alteration(?) that obscures a sporadic CS_2 fabric. Interval hosts 3-5% 10-1cm 5D6 bands with sharp contacts // S_2. All units are non-calcareous and non-dolomitic, slightly to moderately soft, moderately broken and have good recovery. Unit hosts 0-5% quartz-calcite veins and displays No visible Py. Upper contact is sharp and marked by a 10cm quartz-calcite vein. Lower contact is gradational over 10cm.
	272.2	280.0			5BOB	
						Medium gray to medium greenish gray, strongly to very strongly calcareous phyllite displays a well developed CS_2 fabric. Unit is weakly chloritic and hosts trace-1% 2-3mm euhedral pyrite. Unit is slightly soft, moderately broken and has good recovery. Upper contact is gradational over 10cm. Lower contact is sharp and // S_2.
	280.0	287.5			5BGL	± gouge (5D6 : 10Q#) 94 : 03 : 03
						Same as 264.5-271.2, except unit is strongly to very strongly broken and does host very rare occurances of 2mm euhedral Pyrite clots. Gouge is sporadic and occurs as moderate coatings on the S_2 dominant fractures. Unit hosts 2-3% cm

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: D. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						scale irregular quartz-calcite veins. Recovery is good, rarely fair. Unit hosts rare occurances of dm-scale non-calcareous 5DO bands // S_2. Upper and lower contacts are sharp & // S_2
	287.5	291.4			5B08	
						Medium gray to medium greenish gray, strongly to very strongly calcareous PS_2 foliated and is generally weakly chloritic. Unit hosts 0-trace 2mm anhedral pyrite. Unit is generally strongly broken and has good recovery. Upper and lower contacts are sharp and // S_2.
	291.4	295.6			5B06	
						Same as 264.5-271.2, except unit lacks 5DO and is sporadically crushed ± gouge. Upper contact is sharp and // S_2 lower contact is gradational over 25cm.
	295.6	319.7			5B08	(5EO) 97:03
						Medium gray to medium greenish gray locally light gray, strongly to very strongly calcareous locally intensely calcareous CS_2 foliated phyllite is weakly chloritic. light gray and intensely calcareous portions occur in 2-7mm bands and wisps // S_2 and S_1 and represent 5EO. Unit is slightly

DDH 91DX-04 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Sheedy

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Soft, moderately broken and has good recovery. Unit hosts 0-trace 2mm euhedral Py+Ac. Upper contact is gradational over 25cm. Lower contact is gradational over 5cm with a reduction in calcite down hole. Lower contact is also gradational over 3.0m with a weak bleaching becoming slightly stronger down hole.
	310.7	315.2			5B68$	(5E0'→$) 97:03
						Medium/light greenish gray, slightly tarnished yellow, moderately dolomitic unit represents a dolomitized version of upper unit. 5E0 wisps and bands are moderately to slightly converted to dolomite and a delay in reaction to 10% HCl is noted. Rock is slightly soft, moderately broken and hosts rare crushed bands with ± gouge <10cm wide. Upper contact is gradational. Lower contact is sharp, marked by a fault and trends approximately 045/55° wrt S$_0$. A 45° variation strike is possible due to irregular and rotated S$_0$.
	315.2	317.4			5B61$	Shear @ ± gouge
						Medium to light gray commonly tarnished yellow moderately dolomitic unit generally hosts a strong shear fabric commonly trending 55-25° wrt C.A.. Gouge is sporadic and coats shear fabric fractures. Rock is strongly to moderately broken. Shear fabric is often moderately healed.

DDH 91DY-04 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY 91 Logged By: J-Zbrelak

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Recovery is good. Upper contact trends approximately 045/55° wrt S_2. Lower contact trends 350/25° wrt S_2. A 45° variation in strike is possible due to rotated and irregular S_2. Gouge is sporadically weakly to moderately graphitic.
	317.4	330.4			5B6A1	±8 ±3 (100$: 100#) 95: 04: 01
						Medium gray, locally slightly greenish gray, weakly dolomitic very rarely moderately calcareous PS, foliated phyllite is moderately broken and slightly soft. Unit hosts 5% dm-scale quartz-dolomite ± calcite veins // S_2. Recovery is good throughout. Upper contact is shear bound, sharp and trends @ 350/25°. Lower contact is gradational over 10cm.
	330.4	332.2			5B6	
						Medium gray, moderately to weakly calcareous PS foliated phyllite hosts trace-1% 1-2mm anhedral pyrite. Unit is is slightly soft, moderately broken and has good recovery. Upper and lower contacts are gradational.

C.R.I. 1987 F-3A

DDH 91DY-04

CURRAGH RESOURCES INC.

Lithologic Log

Date: MAY '91 Logged By: T. Ebert

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	332.2	334.5			5B6	
						Medium gray, non-calcareous, non-dolomitic PS, foliated phyllite hosts trace 1-2mm subhedral pyrite grains. Rock is slightly silt, moderately broken and has good recovery. Upper and lower contacts are gradational.
	334.5	336.2			5B6#	
						Medium gray, weakly dolomitic PS, locally CS → PS, foliated phyllite hosts trace 2-3mm euhedral pyrite grains. Unit is slightly silt, strongly to moderately broken locally very strongly broken to crushed with minor gouge. Recovery is good. Upper and lower contacts are gradational.
	336.2	338.3			5BD	± 8
						Medium gray locally medium greenish gray, moderately to strongly calcareous CS, locally PS, foliated phyllite hosts trace 1-2mm subhedral Py and trace 1-2mm Po clots. Chloritic alteration is sporadic and weak. Rock is slightly silt, moderately broken and has good recovery. Upper contact is ~~sharp~~ gradational. Lower contact is sharp // S_2 and marked 5D0.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
	338.3	348.8			5BPB	(5DO) 70:30
						Medium gray to medium greenish gray, moderately to strongly calcareous CS, foliated phyllite hosts trace 1-2mm euhedral Pyrite and 0-trace euhedral Po from Py. Phyllite is weakly chloritic. Interval hosts 25-30% strongly to moderately calcareous massive 5DO in 2.0-80 cm bands // S_2. Interval is slightly soft, moderately broken and has good recovery throughout. Upper contact is sharp and // S_2. Lower contact is gradational.
	348.8	350.6			5B61	± crushed rock. (5B1) 85:15
						Medium gray, weakly dolomitic PS, foliated phyllite hosts trace-1% subhedral 1-2mm Pyrite grains. Rock is slightly soft, strongly broken locally crushed with minor gouge. Unit is slightly broken hard and moderately silicified below 350.2. Upper and lower contacts are gradational over a couple of cms.
	350.6	351.3			5DO	(5B83 → 5FO) 60:40
						Medium green to greenish gray, moderately to strongly calcareous interval consisting of 5DO below 350.9 and moderately chloritic phyllite above. Interval is slightly broken & slightly soft. Upper contact is gradational. Lower contact is sharp and // S_2

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
	351.3	370.8			5B98	
						Medium gray to medium greenish gray moderately to strongly calcareous CS_2 foliated phyllite is weakly chloritic and hosts trace 1-2mm euhedral pyrite grains and 0-trace 2-3mm Po clots. Unit is slightly soft, slightly to moderately broken and has good recovery. Unit hosts 10cm gouge within calcareous rock at 358.7. Upper contact is sharp at 11°. Lower contact is gradational over 0.5-1.0 m with a very slight increase in carbonaceous matter downhole.
	370.8	377.3			5B01	2
						Medium to medium dark gray, moderately calcareous $CS_2 \Rightarrow PS_2$ foliated phyllite is slightly graphitic throughout and hosts 0.5-1.0 cm bands of moderately graphitic bands and veins. Unit hosts 1-2% 0.5-0.7 cm euhedral Pyrite grains. Rock is slightly soft, moderately broken and has good recovery. Upper and lower contacts are gradational with variations in graphitic matter.
	377.3	381.1			5B02	±08 (5B26) 80:20
						Medium and medium dark gray weakly calcareous PS_2 foliated phyllite is generally weakly graphitic. Unit hosts 15-20% 0.2-2.0 cm moderately graphitic and non calcareous phyllite bands. Interval

DDH 91 DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: P. Eberentz

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						hosts trace - 1% 5-7mm euhedral and subhedral Py cubes. Unit is moderately local, strongly broken. A 2cm fault zone occurs at 379.5 and trends @ 120/10 wrt S_2. Unit is generally moderately brk., locally strongly broken with good recovery throughout. Upper contact is gradational. Lower contact is sharp and // S_2. Lower contact also contains weak chloritic alteration over 10cm increasing in intensity downhole.
	380.1	387.4			5DD	± $ (5B26 ± 68) 95:05
						Moderate to light green, moderately calcareous, massive PS_2 felsated unit. Hosts 3-5% dm-scale non-calcareous moderately graphitic phyllite bands // S_2. At 385.9-386.5 interval hosts a moderately shear fabric, crushed & gouge bands <10cm wide. Sheared zone is dominated by 5B26 and is weakly and sporadically dolomitic. Interval is slightly soft, moderately locally strongly broken and has good recovery throughout. Upper and lower contacts are sharp and // S_2. Locally graphitic phyllite is slightly chloritic and is most commonly associated with 5DD contacts.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	387.4	418.1			5BQ	± 02 (5D6 : 5BC ± 62) 75 : 15 : 10
						Medium gray to slightly medium dark gray, weakly to strongly moderately calcareous, non-carbonaceous to locally very slightly carbonaceous phyllite is commonly P_2 foliated. Where calcite is more abundant unit is generally C_2 to $C_2 > P_2$ foliated. Interval hosts 15-20% 5-100cm non-calcareous 5D6 bands $// S_2$. Interval also hosts 7-10% non-calcareous phyllite bands typically 5-15cm wide and 10-12% dm scale quartz-calcite veins generally $\sim // S_2$. All units host trace - 1% 0.2 - 2.5cm subhedral and euhedral pyrite. Rocks are slightly to moderately soft, moderately broken and has good recovery though. Upper and lower contacts are sharp and $// S_2$ and marked by 5D6 and 5D3 contacts respectively.
	418.1	447.3			5BO	± 02
						Medium gray locally slightly medium-dark gray, moderately calcareous $C_2 > P_2$ foliated phyllite is sporadically slightly carbonaceous. Unit hosts 1% 2-5mm subhedral and euhedral pyrite and a trace 2-3mm clasts of Pb. Unit is generally moderately to strongly broken and has good recovery. Upper contact is sharp and $// S_2$ lower contact is gradational over 10-15cm with dolomite becoming more dominant over calcite down hole.

DDH 91DY-04 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	447.3	448.2			5B6B	±3 ± gouge
						Medium gray locally slightly tainting yellow, weakly dolomitic, very raely calcareous unit hosts a 1.0cm gouge band @ 447.8. Gouge band treads @ 330/55 wrt S_2. Rock is slightly soft, moderately to strongly broken // S_2 and has good recovery. Upper and lower contacts are gradational with dolomite becoming more dominant over calcite towards.
	448.2	462.1			5B01	±02
						Medium gray, rarely medium-dark gray, CS_2 => PS_2 foliated Phyllite is moderately calcareous and raely slightly carbonaceous. Unit hosts 1-2% pyrit. trace Po and local occurances of Py => Po. Rock is moderately broken, moderately soft to slightly soft and has good recovery. Upper and lower contacts are gradational.
	462.1	475.2			5A01	(5E0) 99:01
						Light to medium light gray, moderately to strongly calcareous locally intensely calcareous interval is generally CS_2 foliated and moderately to slightly broken Phyllite hosts trace - 1% 0.5 - 1.0 cm bands @ 5E0 generally // S_2 local Parallel S_2. Recovery is good throughout. Upper and lower contacts are gradational.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: S. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	475.2	476.8			SB6 $	
						Medium to light gray commonly tarnished yellow, weakly to moderately dolomitic. Unit is $//S_2$ foliated and commonly has a weakly to moderately well developed brecciated texture that dolights S_2. General trend of breccia is at a low angle to C.A. Rock is slightly soft, moderately to slightly broken and has good recovery. Upper contact is gradational with an increase in dolomite downhole. Lower contact is sharp, marked by gouge and trends @ 090/05.
	476.8	477.8			SB6 $	FAULT
						Medium light gray, locally tarnish yellow, moderately dolomitic unit consisting of gouge and crushed rock. Locally unit displays a well healed matrix supported breccia. Upper and lower contacts are sharp. Upper contact trends @ 090°/05°; lower contact is $//S_2$. Recovery is good.
	477.8	480.0			SB6 $	
						Medium to light gray, sporadically tarnished yellow weakly to moderately dolomitic phyllite is $//S_2$ foliated. Rock is slightly soft, moderately to slightly broken and has good recovery. Upper contact is sharp, $//S_2$ and marked by gouge. Lower contact is gradational and noted as an increase in calcite downhole.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

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Date: MAY '91 Logged By: E. Zierenberg

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	480.0	481.5			5BQ	(5DO) 85:15
						Light to medium gray weakly calcareous PS foliated dy/lite hosts 12-15% 5DO wisps and bands. Unit also hosts trace 1-1.5 cm Po from Py grains. Rocks are slightly soft, slight to moderately broken and have good recovery. Upper and lower contacts are gradational with a loss of calcite outwards.
	481.5	491.6			5B06	± * ± * (10a*) 99:01
						Medium to medium light gray PS foliated dy/lite is typically very weakly calcareous locally weakly dolomitic. Weak fairly to yellow is sporadic. Unit hosts 2-3% dolomite filled fractures and trace-1% quartz-dolomite veinlets trending at low angles to core axis. Core is slightly soft generally moderately broken, locally strongly broken to crushed. Gouge is very rare and exists as coatings on rare fracture surfaces. Recovery is good throughout. Unit hosts rare clots of Po. Dolomite veins host rare occurances of remobilized Py => marcasite. Upper contact is gradational lower contact is marked by gouge that trends in an irregular pattern at a low angle to core axis.

DDH 91DY-04

CURRAGH RESOURCES INC.

Lithologic Log

Date: MAY '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	491.6	492.3			5B16$	Gouge Light to medium gray, moderately dolomitic gouge hosts minor crushed rock fragments. Recovery is poor. Upper contact is irregular and roughly trends ± 045°/10° with a slightly caotic S_2. Lower contact is sharp and appears // S_2.
	492.3	496.1			5B6$	± * Medium to light gray, weakly dolomitic PS foliated phyllite contains very rare occurances of calcite. Unit hosts trace - 1% stray Po. Unit is moderately to slightly broken and has good recovery. Upper and lower contacts are sharp and appear // S_2. Lower contact is marked by the beginning of a very strongly broken interval and a weakly calcareous host.
	496.1	499.3			5B0	± $ Medium to light gray, very weakly calcareous, sporadically weakly dolomitic PS foliated phyllite is moderately porous and strongly to very strongly broken // S_2. Unit is rarely crushed and gouge is rare. Unit is moderately salt to salt and has good recovery. Upper and lower contacts are sharp and // S_2. Both contacts marked increases in breakage down hole. Unit hosts rare occurances of Po.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: S. Beeler

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	499.3	500.2			15B6	CRUSHED
						Medium gray, locally tarnished yellow, moderately dolomitic unit is crushed and locally approaches gouge. No apparent trend is noted for crushed rock. Unit hosts trace Py and trace marcasite. Recovery is good, rock is moderately silt and porous. Upper and lower contacts are sharp and $\perp$ to CS_2
	500.2	507.6			15B01	± ∅
						Medium to medium light gray, weakly to moderately calcareous phyllite is PS_2 foliated and hosts 1% pyrite and 0-trace Po. Unit also hosts 2-3% mm-scale dolomite veinlets at variable orientation. Rock is slightly to moderately silt, moderately broken and has good recovery. Upper contact is sharp and $\perp$ to CS_2. Lower contact is gradational.
	507.6	512.7			15B106	± ∅ ± *
						Medium gray weakly calcareous locally weakly dolomitic typically PS_2 foliated, rarely CS_2 foliated phyllite. Unit is moderately to strongly broken and hosts 1% Py and Po. Rock is slightly silt and has good recovery. Upper and lower contacts are gradational.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY'91 Logged By: J. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	512.7	515.4				
						Medium gray, weakly rarely moderately calcareous PS2 foliated phyllite is moderately broken and hosts trace Po and Py. Recovery is good, rock is slightly salty. Upper and lower contacts are gradational.
	515.4	523.7			5B06	± ✗ ± ✱
						Medium gray, weakly calcareous locally, weakly dolomitic interval is typically PS2 occasionally CS2 foliated. Unit hosts trace - 1% Py, trace Po and 0-trace marcasite. Unit is generally moderately broken, locally strongly broken and very rarely crushed with gouge. Recovery is generally good. Upper and lower contacts are gradational.
	523.7	524.6			5B16	
						Medium gray, locally tarnished yellow, weakly dolomitic, PS2 foliated phyllite is moderately broken, moderately to slightly salty and has good recovery. Unit hosts 0-trace Pyrite. Upper contact is gradational. Lower contact is sharp, marked by gouge and is // S2

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

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Date: MAY '91 Logged By: S. Beckett

Code	From	To	Recov.	No.	Unit	Description
	524.6	525.5			5B6/S	Gouge Medium to light gray, weakly dolomitic gouge hosts minor crushed rock fragments. No fabric observed. Recovery is poor. Upper and lower contacts are sharp and // S_2
	525.5	529.1			5B6/S	± * ± crushed Light gray, locally tarnished yellow, weakly dolomitic, very rarely weakly calcareous PS_2 foliated phyllite is moderately porous and sporadically crushed with minor gouge in bands < 30cm. Rock is moderately soft, generally moderately broken and has good recovery throughout. Upper contact is sharp, marked by gouge and appears // S_2. Lower contact is crushed.
	529.1	531.2				FAULT Light gray, weakly to moderately dolomitic phyllite is generally crushed with rare peices > 3cm displaying a very strong moderately healed shear fabric from 0 - 5° wrt C.A. Gouge is sporadic and not common. Recovery is fair to poor. Upper contact is crushed, lower contact trends @ 05° wrt C.A. No relationship wrt S_2 available.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: D Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
	531.2	537.8			5B6	± $ CRUSHED Light to medium gray, non-calcareous, locally weakly dolomitic phyllite is generally crushed, locally strongly to moderately broken. Fractures are commonly // S_2 and also a series trends @ low angle to C.A. Recovery is good rarely fair. Upper contact is fault bound and trends @ 05° wit C.A. lower contact is gradational with an increase in rock quality down hole
	537.8	539.8			5B6G	± $ Medium to light gray, generally very slight calcareous locally weakly dolomitic P_{S_2} foliated phyllite is moderately locally moderately to strongly broken. Recovery is good. Unit hosts trace clots of $P_y \Rightarrow P_o$. Upper and lower contacts are gradational.
	539.8	547.7			5BO	Medium gray, weakly to moderately calcareous phyllite is CS_2 locally PS_2 foliated. Unit hosts 1% euhedral 2-3mm P_o from P_y grains. Rock is locally slightly to moderately porous, generally moderately broken, strongly broken // S_2 below 547.0. Recovery is good. Upper and lower contacts are gradational.

DDH 91DY-04

CURRAGH RESOURCES INC.

Lithologic Log

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Date: MAY '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
	547.7	551.0			5B6B	± gouge Medium gray, weakly dolomitic PS, foliated phyllite is slightly to moderately fractured, strongly broken and hosts rare clots of PO. Interval supports a moderately gouge-bearing fault at 548.6-549.1. Recovery is generally fair locally poor. Upper and lower contacts are gradational.
	551.0	551.8			5B9	Medium gray, moderately to weakly calcareous phyllite is PS foliated and hosts trace-1% 2mm euhedral Py from Py grains. Unit is moderately broken // FS and has good recovery. Upper and lower contacts are gradational.
	551.8	557.5			5B06	* ± # ± gouge Medium gray, generally very weakly calcareous, locally weakly dolomitic PS, foliated phyllite hosts trace-1% Po. Interval supports scattered 1.0-1.5 cm gouge bands that often trend approximately 30-35° wrt C.A. Dolomite is abundant in veins and clots adjacent these gouge zones. Rock is generally strongly broken and has good recovery. Upper and lower contacts are gradational.

DDH 91DY-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: S. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	557.5	561.6			5B01	±$ ±8 (10E) trace.
						Medium gray, locally very slightly greenish gray, moderately calcareous PS$_2$ foliated phyllite hosts trace-7% irregular networks of dolomite filled fractures. S$_2$ is locally weakly contorted. Rock is slightly soft, moderately broken and has good recovery. Upper contact is gradational. Lower contact is very sharp and irregular.
						Phyllite is locally weakly chloritized in 0.5-1.0 cm bands // S$_2$. Very weak sericitic alteration is sporadic weak and occurs along S$_2$ planes.
						Upper contact is gradational. Lower contact with dyke is sharp and irregular, generally trending at a high angle to core axis.
						Cont'd on next page...

DDH [redacted]-04

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	561.6	588.2			1ØD4	(1ØD48) 65:35 Light grey f.g. phaneritic feldspar-rich (8Ø%) groundmass, off-white c.g.-v.c.g. subhedral plagioclase phenocrysts (5%), smoky m.g.-c.g. anhedral quartz phenocrysts (15%) within fresh porphyritic igneous texture. Very weakly calcareous. Massive. Light grey-black-white speckled fracture surfaces. Hard. No sulphides. Some plagioclase may be altering to clay minerals (kaolinite?). Occasional ochre limonitized fracture surfaces. Rare quartz-calcite veinlets at all CA angles. Very good core recovery, RQD. Blocky core at 58Ø.1-58Ø.4. Gradational contacts with other intrusive phases. Slightly more melanocratic phase of quartz diorite containg black f.g. subhedral amphiboles (hornblende?) and has gradational contacts with 1Ø04.
L	588.2	592.Ø			1ØE8	Dark grey f.g. phaneritic-aphanitic feldspar-pyroxene groundmass (6Ø%), off-white c.g.-v.c.g. subhedral plagioclase (2Ø%), clear m.g. aphanitic quartz (7%) and black f.g.-m.g. amphibole (13%) phenocrysts within fresh porphyritic igneous texture. Very weakly to non-calcareous. Massive. Dark grey-white-black fracture surfaces. Hard. Local chloritization of mafics, epidote-albite saussuritization of plagioclase near lower contact. Very good core recovery, RQD. Gradational contact with more leucocratic phase above. Sharp lower contact at CA65°.
F	592.Ø	592.5			5B61	→4LØ BLOCKY. Light to medium grey phyllite with off-white quartz-dolomite(?) laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft. No sulphides. Good core recovery. Poor RQD. Blocky throughout.

CRI 1987

DDH 91Dx-04 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sharp upper contact at CA65°. Slickensided lower contact at CA60°.
L	59.25	59.56			4L1	→5B61 (4LØ→5B6187) 60:40
						Greenish yellow grey altered phyllite with offwhite quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Very weakly calcareous. CS_2 and PS_2 foliated. Yellowish-grey (sericite-rich) fracture surfaces. Moderately hard, smooth (silicified). No sulphides. Fair to poor core recovery (0.3m core loss at 592.5-595.0). Good to poor RQD. Blocky core at 594.8?-595.6. Sharp upper, lower contacts at CA50°. Rubbly core at 595.5-595.6. Clayey fault gouge at 595.2. Clayey-carbonaceous (no graphite) fault gouge at 595.5-596.6.
						Non-silicified variant is more grey, non-calcareous to weakly calcareous, and moderately soft. Has gradational contacts with 4L1→5B61.
L	59.56	59.83			4L17	→5B6187 (4LØ7←5B6187; 5B62) 65:35:05
						Yellowish-green grey altered phyllite with offwhite quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Very weakly calcareous. CS_2 and PS_2 foliated. Silvery yellowish-green grey fracture surfaces. Moderately hard, smooth (weakly silicified). Bands (0.5-10.0cm wide) of f.g. bronze magnetic pyrrhotite (20-25%, overall) following S_2. Locally (596.5-596.7) ≤20% f.g. weathered pyrite; 5-10%, overall). Wisps of chalcopyrite (≤5mm long) associated with pyrrhotite, with quartz gangue. (~1%, overall). Possible reddish-brown sphalerite, associated with sphalerite. Mostly healed minor oligomict clast-supported breccia with angular-elongate clasts (≤1.5cm. long) of quartz oriented subparallel/S_2. Wisps of olive-grey Mg-chlorite subparallel S_1 & S_2.
						Good core recovery. Good to poor RQD. Blocky to rubbly core at 596.1-596.3, 596.5-597.1. Soft core at 595.6-596.7. Sharp upper contact at CA50°.

DDH 91UV-04 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 14/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sharp lower contact at CA 70°. Graphitic fault gouge at 597.4 at CA 75°.
						Less silicified variant occurs towards upper contact, is very weakly calcareous, moderately soft, greyer in colour and has gradational contacts with 4L17.
						Rare dark grey carbonaceous phyllite occurs at 596.1-596.3, is very weakly calcareous, is soft, has weakly graphitic fracture surfaces, is barren and has gradational contacts with 4L17 → 5B61&7 and 5B61&7 → 4L07.
L	59.83	59.97			5B6	(5B61 → 4L07) 60:40
						Light to medium grey phyllite with rare off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 PS_2. Very weakly calcareous. PS_2 and (rare) CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Contains rare quartz-calcite veinlets at CA 20°-60° (following L_3, L_4, L_5?). Very good core recovery. Good to fair RQD. Blocky core at 596.5-599.1. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°.
						Slightly green-yellowish grey altered (quartz-sericite) phyllite occurring at 599.2-599.7 is very weakly calcareous, moderately hard (weakly silicified), PS_2 and CS_2 foliated, contains 2-3% euhedral pyrite cubes (≤ 0.05mm) in bands parallel S_2 and has gradational contact with 5B6.
L	59.97	60.03			4E8	→ 4C8
						Massive pyritic sulphides to base-metal-poor pyritic quartzite with black magnetite. Non-calcareous. Massive (S_1, S_2 obscured). Metallic yellow-bronze fracture surfaces. Hard. Contains 60% pyrite as euhedral cubes ≤ 3cm in interlocking texture. Strongly magnetic with 25% black fg magnetite patches interstitial to pyrite. Wisps

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						of chalcopyrite (≤ 2cm long) ≤ 1%, overall. Dense, heavy (sulphides, no barite seen). Possible barite present. Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA60°.
L	6003	6024			4C.0	(4C7:5B416) 40:40:20) Pyritic quartzite is pale grey to creamy white. Very weakly calcareous. PS_2 and CS_2 foliated. Silvery grey (muscovite-quartz) fracture surfaces. Moderately hard. Contains thin ribbons and bands, poorly layered and interrupted (0.5-6.0 cm wide) of euhedral cubic pyrite; perhaps 10-15% overall, following S_2 foliation. Dark green-black v.f.g. aphanitic, dendritic Fe-chlorite(?) bands crosscut S_2, are soft (non-graphitic) and non-magnetic. Contains 0.5% accessory chalcopyrite along fractures, sometimes intergrown with pyrrhotite. Very good core recovery. Good RQD. Sharp upper contact at CA60°. Gradational lower contact. Pyrrhotite-rich variant is very weakly calcareous, PS_2 and CS_2 (microlithons) foliated, and contains bronze f.g. pyrrhotite (5-10%) within laminae (1-3 mm wide) parallel S_2 foliation. Pyrrhotite also occurs with pyrite in pyritic bands (described above). Locally (6001.4-6001.5), becomes quartz-sericite altered non-calcareous phyllite with greyer colour, softer and CS_2 foliated. Has gradational contacts with 4C0, 4C7
L	6024	6041			5B41	6 → 4L1 Slightly yellow-green quartz-sericite ± chlorite altered phyllite with off-white quartz-dolomite ± calcite laminae, beds following S_1, S_2. Weakly calcareous, PS_2 and CS_2 (microlithon) foliated. Yellowish-green—silvery grey fracture surfaces. Moderately soft to moderately hard. Bronze f.g. subhedral pyrrhotite laminae, beds following S_1, S_2. (5-10% pyrrhotite, overall).

DDH 91DY-04 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
L	6Ø4.1	6Ø7.5			4LØ	→5B416 (4L1:4L7:4HØ). 4Ø:35:2Ø:Ø5
						Yellowish-green-grey quartz-sericite altered phyllite with off-white quartz-dolomite (siltstone?) laminae/beds following S_1, S_2/S_2. Very weakly calcareous. PS_2 and CS_2 (microlithon) foliated. Yellowish (sericitic) silvery grey fracture surfaces. Moderately hard.
						Very good core recovery. Good RQD. Blocky to rubbly core at 6Ø4.4-6Ø4.5 with no gouge. Gradational contacts parallel S_2.
						More leucocratic, harder, smoother silicified (altered) phyllite occurs locally, is weakly calcareous, and has gradational contacts with 4LØ→5B416.
						Pyrrhotitic phyllite variant contains laminae, bands (Ø.5-2.0mm wide) following S_1, S_2 contains 5% bronze f.g. subhedral magnetic pyrrhotite with/without euhedral cubic pyrite (Ø.5%) Trace disseminated chalcopyrite, sphalerite(?) is associated with these. Gradational contacts with 4LØ, 4L1.
						Very pyrrhotitic phyllite occurring at 6Ø6.8-6Ø6.9 is weakly calcareous, CS_2 and PS_2 foliated (pyrrhotite, chlorite laminae), cross-cut by chloritic veinlet at 4Ø°-2Ø°; hard and moderately to strongly magnetic. Dense, heavy. Contains ~5Ø% pyrrhotite (as mg subhedral cubic pseudomorphs after pyrite?, trace black f.g. magnetite(?) wisps and Ø.5% wisps of chalcopyrite. No barite seen.
L	6Ø7.5	61Ø.Ø			5B64	(4LØ) 9Ø:1Ø
						Light to medium grey phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Occasional pyrrhotite bands (≤2mm wide) parallel S_2; 2-3% pyrrhotite, overall. Rare trace chalcopyrite wisps. Very good core recovery, RQD. Gradational contacts parallel S_2.

DDH 91-UY-04 (2 / 8)

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Date: Feb. 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						Yellowish-green quartz-sericite-chlorite altered phyllite laminae, bands are very weakly calcareous, harder and have gradational contacts with 5B64.
L	61.00	61.86			5,B,6,4	→ 4L17 (4L17: 100) 80:15:05
						Light to medium grey phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2. and yellowish green grey quartz-sericite-chlorite altered phyllite. Very weakly calcareous. CS_2 (microlithon) and PS_2 foliated. Yellowish-green and silvery grey fracture surfaces. Moderately soft. Pyrrhotite laminae, bands (1-30 mm wide) parallel S_2; 2-3% pyrrhotite, overall. Associated with traces of red-brown sphalerite. Very good core recovery. Good to very good RQD. Gradational contacts parallel S_2.
						Yellowish-green grey quartz-sericite-chlorite altered phyllite have siltstone laminae/beds, are very weakly calcareous, are CS_2 and PS_2 foliated, are moderately hard and have gradational contacts with 5B64 → 4L17.
						White-buff bull quartz-calcite concordant bands (veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5B64 → 4L17, 4L17. Occur at 615.5-615.7, 615.9-616.1 and 616.3-616.5. Healed oligomict clast-supported breccia. Contain remobilized mineralization along veinlets (≤3% pyrrhotite, ≤1% galena, ≤1% red-brown sphalerite). Contain wisps of black Fe-chlorite).
L	61.86	61.93			5,B,4	→ 4L7*
						Light to medium grey phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Slight yellowish-green tint (quartz-sericite ± chlorite alteration). Yellowish silvery grey fracture surfaces. Moderately soft to moderately hard. Occasional pyrrhotite, band (1-3 mm wide) parallel S_2; 05%

DDH 91DY-04 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						pyrrhotite, overall. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
L	621.93	624.0			5B64	→ 4LØ (5B64→4L7) 8Ø:2Ø Light to medium grey phyllite with off-white quartz-dolomite siltstone (olive green chloritic) laminae/beds following S_1, S_2/S_2 and local yellowish-greenish quartz-sericite-chlorite alteration (621.7-621.9, etc.). Very weakly calcareous. CS_2 (microlithon) and PS_2 foliation. Silvery grey and yellowish-green (sericite-chlorite) grey fracture surfaces. Moderately soft to (locally) moderately hard. Very good core recovery. Fair RQD. Blocky core at 62Ø.7-62Ø.9, 621.8-621.9, 622.2-622.3. Pyrrhotite-banded variant at 62Ø.8-621.Ø, etc. includes 1-5mm wide laminae, beds following S_1, S_2. 1-2% pyrrhotite, locally. Gradational contacts with 5B64→4LØ.
L	624.0	625.5			5F4	(4LØ) 7Ø:3Ø Yellowish-greenish grey quartz-sericite-chlorite altered phyllite with off-white quartz-dolomite siltstone laminae/beds following $S_2 \pm S_1/S_2$. Very weakly calcareous. PS_2 and (rarely) CS_2 foliated. Silvery grey and yellowish grey fracture surfaces (limonite) stained. Moderately soft to moderately hard. Good core recovery (possible 0.1 m loss at 623.9-625.4). Fair RQD. Blocky to rubbly core at 625.3-625.5. Gradational contacts parallel S_2. Pyrrhotite-banded variant contains 1-5mm wide laminae, bands following S_2 (2-3% pyrrhotite, overall). Also includes 3-6mm wide bands of e.g. euhedral cubic pyrite. Gradational contacts with 4LØ→5B64.
L	625.5	629.1			5B64	→ 4LØ (5B64→4L7: 1ØQ$) 9Ø:Ø8:Ø2 Light to medium grey phyllite with off-white quartz-dolomite siltstone laminae/

CRL 1987 F13A

DDH 91D-01-04
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CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						beds following $S_1, S_2/S_2$. Very weakly calcareous. CS_2 and PS_2 foliated. Weak yellowish green grey quartz-sericite-chlorite alteration, locally. Silvery grey and yellowish grey fracture surfaces. Moderately soft to (locally) moderately hard. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
						Pyrrhotite-banded/laminated altered phyllite has 1-10mm wide pyrrhotite laminae/bands following S_1/S_2. Gradational contacts with 5B64→4L0.
						White-buff quartz-dolomite concordant bands (veins?) subparallelling S_2 are weakly calcareous, hard and have sharp contacts with 5B64→4L0, 5B64→4L7.
L	6291	6328			5B416	6→4L17 (1ØQ) 9Ø:1Ø
						Light to medium grey phyllite with off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Very weakly calcareous. CS_2 and PS_2 foliated. Weak yellowish-green quartz-sericite-chlorite alteration, locally. Silvery grey and yellowish grey fracture surfaces. Moderately hard, smooth (weakly silicified). Pyrrhotite laminae/beds (1mm-4cm. wide) parallel S_2 are bronze, f.g. metallic, and magnetic; 3-5% pyrrhotite, overall. Associated with traces of m.g. euhedral cubic pyrite and red-brown f.g. sphalerite. Rare trace chalcopyrite occurs as veinlet-fillings. Good core recovery, RQD. Blocky core at 6304-6307. Gradational contacts parallel S_2.
						Off-white buff quartz concordant bands (veins?) subparallelling S_2 are non-calcareous, hard, contain trace pyrrhotite as c.g. euhedral cubic pseudomorphs after pyrite and have sharp contacts with 5B416→4L17.
L	6328	6396			5B6	(5B16→4L17:1ØQ#) 8Ø:12:Ø8
						Light to medium grey phyllite with off-white quartz-dolomite laminae/

DDH 91-UY-04 (2 / 8)

CURRAGH RESOURCES INC.
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Date: Feb 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						beds following S_1, S_2/S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Pyrrhotite laminae/wisps following S_2/S_1. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
						Slightly yellow-greenish grey, quartz-sericite altered phyllite is very weakly calcareous, harder and is proximal to bull quartz bands(veins?) and pods.
						White-buff quartz ± calcite concordant bands (veins?) subparallelling S_2 are weakly calcareous, hard, and have sharp contacts with 5B6, 5B16→4L127.
L	6396	6399			5B10	
						Light to medium grey phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
L	6399	6430			5B6	
						Light to medium grey phyllite with rare off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. PS_2 and (rarely) CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite as blebs. Very good core recovery. Good RQD. Blocky core at 642.6-642.8. Gradational contacts parallel S_2.
L	6430	6437			5B62	
						Dark to medium grey phyllite with off-white quartz-dolomite siltstone laminae, beds

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 15/92 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						following S_2. Very weakly calcareous, PS_2 foliated. Dark silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational contacts parallel S_2
L	643.7	652.9			5B6	(100%) 96:04
						Light to medium grey phyllite with off-white quartz-dolomite laminae/beds following S_1, S_2/S_2. Very weakly calcareous CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite as wisps and laminae parallel S_1 to S_2. Healed oligomict clast-supported breccia at 644.7. Good core recovery, RQD. Blocky core at 645.2-645.5. Clayey-organic (non-graphitic) gouge at 643.1. Gradational contacts parallel S_2.
						Cream-white quartz-dolomite concordant bands (veins?) subparallelling S_2 are weakly calcareous, hard and have sharp contacts with 5B6.
L	652.9	653.4			5B6.2	
						Dark to medium grey phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. PS_2 foliated. Dark silvery grey fracture surfaces. Moderately soft to soft. 2mm wide pyrrhotite band parallel S_2 at 653.3. Clayey fault(?) gouge at 653.1. Good core recovery. Fair RQD. Blocky core at 652.9-653.2. Gradational contacts parallel S_2.
L	653.4	662.2			5B0.1	→ 4L0 (100%: 5B0) 95:05: TRACE
						Light to medium grey phyllite with slight yellowish-green tint and off-white quartz-

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery-yellowish grey fracture surfaces. Moderately soft to moderately hard (where silicified). Trace disseminated pyrrhotite (0.5-1.0 %) as euhedral cubic clusters and pyrrhotite laminae (1-2mm wide) parallel S_2. Rare trace chalcopyrite wisps along bands parallel S_2. Very good core recovery. Good RQD. Blocky core at 654.2-654.9. Gradational contacts parallel S_2.
						White-buff quartz-calcite concordant bands (veins?) subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5B01.
						Rare olive green bands (2.5 cm wide) of chloritic phyllite parallelling S_2 are moderately calcareous, and moderately soft; with olive green fracture surfaces and gradational contacts parallel S_2 with 5B01.
L	6602	6641			5B61	→ 4L0 (10Q) 98:02
						Light to medium grey phyllite with yellowish green tint and off-white quartz-dolomite siltstone laminae/bands following S_1, S_2/S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Moderately soft to moderately hard (where silicified). Pyrrhotite laminae (1-2mm wide) and blebs (1-2%) parallel S_2. Silvery yellowish grey fracture surfaces. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
						White bull quartz concordant bands (veins?) subparallelling S_2 are non-calcareous, hard and have sharp contacts with 5B61→4L0.
L	6641	6678			5B61	(4L01) 85:15
						Light to medium grey phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Silvery grey

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery (Slight core loss at 664.3-664.4). Fair RQD. Blocky core at 664.0-664.1. Gradational upper contact parallel S_2. Pyritic laminae (1-2mm wide) parallel S_2 and euhedral pyritic cubes at 663.8-664.1. Sharp lower contact at CA80°.
						Yellowish greenish grey quartz-sericite-chlorite altered phyllite with siltstone laminae/beds following $S_1, S_2/S_2$ occurring at 664.3-664.5 is very weakly calcareous, moderately hard (silicification) and has yellowish silvery grey fracture surfaces and gradational contacts with 5861.
L	667 8	670 8			4G0	→4E4(5846) 85:15
						Yellowish-grey-white pyritic-baritic massive sulphide (65% pyrite, 10% pyrrhotite 15% quartz, 10% barite). Non-calcareous. CS_2 and PS_2 foliated. White-grey-pyritic fracture surfaces. Hard. Dense, heavy (barite). Pyrite occurs as fg.-mg. euhedral cubes in masses and laminae following S_1, S_2. Pyrrhotite occurs as bronze fg. subhedral cubiform crystals interstitial to pyrite. Trace chalcopyrite as yellow mg. subhedral crystals in pods along with quartz at 668.4, 669.6. ; purplish grey fg. euhedral galena sometimes occurs. Purplish red-brown sphalerite bands (≤ 5cm. wide) at 667.9, 669.2, 670.7-670.8;
						Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA70°.
						Light to medium grey altered phyllite with off-white quartz-dolomite siltstone laminae/beds following S_2 at 669.25-669.5 is very weakly calcareous, PS_2 foliated, moderately soft and is cross-cut by quartz-calcite band with purplish-grey vfg. galena on selvages.

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 15/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	67.08	67.19			5B6	→4Lø (4Lø) 70:30
						Light to medium grey phyllite with greenish-yellow tint and off-white laminae/beds following S_1, S_2/S_2. Very weakly calcareous. PS_2 and CS_2 foliated. Silvery yellowish-grey fracture surfaces. Moderately soft to moderately hard (where silicified). Pyrrhotite occurs as bronze fig. cubic forms (pseudomorphs after pyrite?) within (2-15cm wide) laminae, bands parallel S_2; 3-5% pyrrhotite, overall. Chalcopyrite occurs as yellow subhedral forms within wisps oriented cross-cutting S_1, S_2 (parallel L_3, L_4, L_5); trace amount, overall.
						Very good core recovery. Good RQD. Sharp upper contact at CA70°. Gradational lower contact parallel S_2.
						Greenish-yellow grey quartz-sericite-chlorite altered phyllite with siltstone laminae/beds is very weakly calcareous, moderately hard (silicification), and has gradational contacts with 5B6→4Lø
L	67.19	67.57			4Lø	(4Lø→5B6) 85:15
						Yellowish-green grey quartz-sericite-chlorite altered phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Yellowish silvery grey fracture surfaces. Moderately hard, smooth (where silicified). Pyrrhotite laminae, bands (1-5mm wide) parallel S_2 and wisps following S_1 are rare; 1-2% pyrrhotite, overall. Very good core recovery. Fair to poor RQD, blocky to rubbly core at 673.4-673.7, 674.0-674.6, 675.0-675.4. Semi-healed oligomict clast-supported breccia at 674.8. Shear zone at 675.0-675.3, C-fracture at CA30°, S-fracture at CA75° (i.e. not mylonitic).
						Light to medium grey, fairly fresh, phyllite with siltstone laminae, beds occurring at 674.6-674.9 is very weakly calcareous, moderately soft and has gradational contacts

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						with 4LØ. Weak yellowish green tint (quartz-sericite-chlorite alteration).
L	676.57	683.Ø			5B6	⇒4LØ (1ØQ&@) 9Ø:1Ø
						Light to medium grey phyllite with yellowish-green tint (locally) and off-white siltstone (quartz-dolomite) laminae/beds following $S_1, S_2 / S_0$. Very weakly calcareous. CS_2 and PS_2 foliated. Silvery grey to yellowish silvery grey fracture surfaces. Moderately soft. Pyrrhotite blebs and laminae (1-3mm wide) parallel S_2; 1-2% pyrrhotite, overall. Vuggy at 676.8, with dolomite fillings. Very good core recovery. Good to fair RQD. Blocky and clayey gouge at 676.35-676.4. Soft, very weakly calcareous (ankerite?) patch at 680.4. Gradational upper contact parallel S_2. Gradational lower contact at CA 70° parallel S_2.
						White-beige quartz-ankerite(?) concordant bands (veins?) subparallel S_2 are extremely weakly calcareous, hard and have sharp contacts with 5B6 ⇒ 4LØ.
L	683.Ø	684.2			4C8	
						Pyritic (4Ø-5Ø%) quartzite with 5-10% black magnetite patches and interstitial fillings between fg.-m.g. euhedral cubic pyrite crystals. Non-calcareous to weakly calcareous. PS_2 foliated. White-grey fracture surfaces. Hard. Pyritic bands (0.5-2.0cm wide) parallel S_2 contain m.g. euhedral cubes. Pyrrhotitic laminae, bands (1-4mm wide) parallel S_2; 5-10% pyrrhotite, overall. Black strongly magnetic patches and lenses of magnetite (≤5cm dia., ≤5cm long). Clusters of yellow subhedral chalcopyrite crystals (≤5mm long); perhaps Ø.5% chalcopyrite, overall. No V.G. seen, though chalcopyrite is very yellow (native gold inclusions possible?) at 683.8 (soft, flakes off, but greenish streak & not malleable). Heavy, dense (may contain some barite).

DDH 91DY-04 (2 / 8)

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						V.f.g. (honey) sphalerite may present.
						Very good core recovery, RQD. Gradational upper contact at CA75° parallel S_2.
						Fairly sharp lower contact at CA80°.
L	684.2	685.5			4C07	$ (4E7 : 4E8 ⇒ 4C8) 50:30:20
						Weakly pyrrhotitic pyritic quartzite (basemetal poor). Non-calcareous. Weakly PS_2 and CS_2 foliated. Yellowish-white-grey fracture surfaces. Hard. Contains 50% pyrite in laminae, bands parallel S_2 (1mm-6cm wide) and following S_1 (1-5mm wide). Contains weakly calcareous dolomite patches and S_1 controlled vermicular shapes (≤5cm. long). Contains 10% pyrrhotite laminae, bands parallel S_2. Moderately dense, heavy. Very good core recovery, RQD. Fairly sharp upper contact at CA80° marked by 4E7. Fairly sharp lower contact at CA75°. Contains 30% quartz, 10% dolomite.
						Massive (pyrite-pyrrhotite) sulphide occurring at 684.2-684.5 contains 65% pyrite, 15% pyrrhotite, 18% quartz and 2% dolomite. Very weakly calcareous. Massive to PS_2 foliated to (locally) CS_2 foliated. Brownish-yellow fracture surfaces. Hard to moderately hard. Weakly magnetic. Fairly dense, heavy.
						Massive pyritic quartzite with magnetite at 685.1-685.5 contains 60% pyrite, 30% quartz, 9% magnetite, 1% dolomite and trace chalcopyrite associated with quartz-dolomite-magnetite fractures, poks. Cross-cut by quartz-dolomite ± magnetite fracture at CA20°.
L	685.5	685.9			4G0	
						Baritic massive sulphide contains 45% pyrite, 15% barite, 20% quartz, 15% honey to red-brown sphalerite and 4% dolomite, 0.5% galena, 0.5% chalco. Very weakly calcareous

DDH 91-DY-08

CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Massive to PS_2 foliated. Brownish-yellow-grey-white fracture surfaces. Moderately hard. Pyrite is massive to PS_2 banded and occurs as f.g. euhedral cubes. Whitish f.g. disseminated dense (heavy) barite is difficult to see. Blonde (honey) sphalerite is v.f.g. anhedral and is difficult to see; reddish-brown sphalerite is more massive, occurring at 685.7-685.9. Large clusters of creamy v.c.g. angular dolomite are very weakly calcareous. Purplish grey v.f.g. euhedral cubic galena. Yellow v.f.g. subhedral chalcopyrite occurs on fracture surfaces. Non-magnetic (no magnetite or pyrrhotite).
						Very good core recovery, RQD. Fairly sharp upper contact at C47$5°$. Gradational lower contact parallel S_2
L	6859	6901			4E08	→ 4C08 & 09
						Massive pyrite-magnetite sulphide with magnetite laminae, bands and patches; dolomite (patches) and chalcopyrite (veins). Contains 60% pyrite, 25% quartz, trace pyrrhotite, 10% magnetite, 4% dolomite and 1% chalcopyrite; overall. Very weakly calcareous (dolomite patches). Massive to CS_2 foliated. Yellowish-white-grey ± black fracture surfaces. Moderately hard. Pyrite is massive to laminated/banded following S_1. Brecciated zone at 688.7 (fairly healed oligomict clast-supported breccia with subangular-equant massive pyritic clasts). Black v.f.g. subhedral magnetite forms irregular patches (2mm-3cm. dia.) and laminae (1-2mm wide) following S_1; strongly magnetic. Creamy dolomite patches (2mm-2cm dia.) are weakly calcareous. Chalcopyrite occurs along quartz-magnetite fractures as yellow m.g. subhedral crystals and dendritic-wirelike forms. Very yellow, soft inclusions (barely visible) may be V.G. at 688.4-688.6 (several locations). Trace pyrrhotite occurs at 688.4-688.6. No sphalerite, galena seen.
						Very good core recovery, RQD. Gradational upper contact parallel S_2. Fairly sharp lower contact at C49$0°$.

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
L	691.01	692.26			4C87	89 (4L1) 95:05
						Magnetite, pyrrhotite-bearing pyritic quartzite containing 40% quartz, 35% pyrite, 10% magnetite, 5% pyrrhotite, 8.5% dolomite, and 1.5% chalcopyrite. Very weakly calcareous. PS_2 and CS_2 foliated. White-grey-yellow fracture surfaces. Hard. Yellowish f.g.-m.g. euhedral cubic pyrite disseminated and within 1-30 mm. wide bands parallel S_2. Black v.f.g. subhedral(?) magnetite within 1-20 mm. wide laminae/bands parallel S_2 and 1-3 mm laminae following S_1; strongly magnetic. Brown f.g. subhedral(?) pyrrhotite within 1-3 mm laminae parallel S_2. Off-white patches, laminae and late veinlets cross-cutting S_1, S_2 of weakly calcareous dolomite. Yellow m.g. subhedral chalcopyrite as blebs and veinlet-fillings (2mm-3cm.), notably at 691.35-691.55 (veinlet at CA 40° selvaged by brown pyrrhotite and black non-magnetic euhedral mineral with reddish internal reflections (blackjack sphalerite?).
						Very good core recovery. RQD. Fairly sharp upper contact at CA 90°. Sharp lower contact at CA 50°.
						Yellowish-green grey quartz-sericite ± chlorite altered phyllite at 692.2-692.6 is non-calcareous, moderately hard, CS_2 foliated, has yellowish silvery grey (sericitic) fracture surfaces, and has gradational contacts with 4C87&9.
L	692.26	693.94			AE8	(4E8→4C8) 60:40
						Magnetite-bearing pyritic massive sulphide containing 70% pyrite, 20% quartz, 8% magnetite, 1.5% dolomite and 0.5% chalcopyrite. Weakly calcareous. Massive to PS_2 foliated. Brassy yellow-grey-white fracture surfaces. Hard. Brassy yellow f.g.-m.g. euhedral cubic pyrite as masses, bands and laminae parallel S_2. Black f.g. (subhedral?) magnetite occurs within laminae following S_2. Off-white patches, laminae and bands of dolomite parallel S_2. Yellow m.g.-f.g. subhedral

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
						Chalcopyrite along veinlets at CA40°-50°.
						Very good core recovery. Good RQD. Sharp upper contact at CA50°. Gradational lower contact.
						Pyritic massive sulphide tending towards pyritic quartzite at 692.9-693.4 contains 60% quartz, 35% pyrite, 4% dolomite and 1% chalcopyrite. Weakly calcareous. PS_2 foliated. Hard. Gradational contacts with 4E8
L	693 4	695 5			4CØ	→4EØ (4EØ:5B46), 70:28:02
						Pyritic quartzite containing 55% pyrite, 40% quartz, 4% dolomite and 1% chalcopyrite. Very weakly calcareous. PS_2 to CS_2 foliated. White-grey-brassy yellow fracture surfaces. Hard. Brassy yellow f.g.-m.g. euhedral-cubic pyrite within laminae-bands (1mm-5cm wide) parallel S_2 and masses. V.f.g. quartzose matrix. Off-white dolomite-quartz pods elongate parallel S_2 are weakly calcareous. Yellow m.g. subhedral chalcopyrite as pods along quartz-dolomite veinlets. Remobilized c.g. brassy yellow pyrite, reddish-black blackjack sphalerite, and yellow chalcopyrite ± purplish grey galena at intersection of two quartz-dolomite veinlets at CA60°, CA70° at 694.6 within 5B46. Very good TCR. Good RQD. Gradational upper, lower contacts parallel S_2.
						Pyritic massive sulphide contains 65% pyrite, 30% quartz, 5% sulphides.
L	695 5	696 Ø			4GO	
						Baritic-pyritic massive sulphide contains 60% pyrite, 20% barite, 15% quartz, 5% dolomite. Brassy yellow v.f.g. (euhedral-cubic?) pyrite occurs as masses and bands (2-5cm. wide). Off-white, soft, heavy dense barite occurs as masses and disseminations.

DDH 91DY-04 (2 8)

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L						Off-white weakly calcareous f.g. dolomite occurs as patches and bands (parallel S_2). Very weakly calcareous. Massive to PS_2 foliated. Moderately hard. Ochre limonitic stain. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
L	696.0	696.2			4C0	
						Pyritic quartzite with 50% quartz, 30% pyrite and 20% carbonate. Very weakly calcareous. PS_2 foliated. Grey-white-brassy yellow fracture surfaces. Hard. Brassy-yellow m.g. euhedral-cubic pyrite occurs as disseminations and 1-10mm bands parallel S_2. Off-white m.g. anhedral "speckles" of very weakly calcareous carbonate (dolomite ± ankerite). Very good core recovery. Good RQD. Sharp upper contact at CA70°. Sharp lower contact at CA80°.
L	696.2	696.6			4E0@	→4G0@
						Pyritic massive sulphide contains 70% pyrite, 20% quartz, 5% barite, 5% dolomite and trace chalcopyrite. Very weakly calcareous. Massive to PS_2 foliated. White-grey-brassy yellow fracture surfaces. Hard to moderately hard. Brassy yellow m.g. to f.g. (euhedral-cubic?) pyrite occurs as masses and bands (2-5cm wide) parallel S_2. Off-white, soft, dense (heavy) barite occurs at 696.4-696.6 as disseminations and bands (2-60cm wide) parallel S_2. Off-white weakly calcareous dolomite occurs in laminae, bands parallel S_2.
						Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA65°.
						Brecciated, vuggy dolomite-ankerite band at 696.35-696.4 is off-white-black, hard, weakly to very weakly calcareous and has sharp contacts with 4B0.

DDH 91DY-04

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
						subparallel S_2 - Black v.fg. anhedral non-magnetic, non-calcareous unknown mineral occurs.
L	696.6	697.8			4L9	→4L1 (100$#) 65:35 WITH BRECCIAS
						Yellowish-green grey quartz-sericite-chlorite altered phyllite with off-white quartz-dolomite siltstone laminae/beds following S_2. Very weakly calcareous. PS foliated. Yellowish silvery grey fracture surfaces. Moderately hard (silicified). No sulphides. Very good core recovery. Good to very good RQD. Sharp upper contact at CA 65°. Gradational lower contact parallel S_2.
						White to off-white bull quartz-dolomite-calcite concordant bands (veins?) subparallel S_2 are moderately to weakly calcareous, hard and have sharp contacts with 4LØ→4L1. Healed polymict matrix-supported breccia with angular-equant quartz, carbonate and altered phyllite clasts at 696.7-696.8, 697.Ø-697.2 and 697.4-697.6. Breccia matrices contain remobilized cg-vcg. pyrite (brassy yellow), sphalerite (red-brown) chalcopyrite (yellow), pyrrhotite (brown) and galena (purplish grey) as veinlet (breccia matrix)-fillings
L	697.8	703.1			5B6	→4LØ (100$#; 5BØ) 95:Ø4:Ø1
						Light to medium grey phyllite with yellowish-green interbands, off-white quartz-dolomite siltstone laminae/bands following S_1, S_2 ∥ S_3. Very weakly calcareous. PS and CS$_2$ foliated. Silvery grey (± yellowish) fracture surfaces. Moderately soft. Laminae and lenses of pyrrhotite parallel S_2. Very good core recovery. Good RQD. Gradational upper/lower contacts.
						White-buff bull quartz-dolomite-calcite concordant bands (veins?) subparallelling S_2 are calcareous hard and have sharp contacts with 5B6→4LØ, 5BØ.
						Non-calcareous unaltered phyllite occurs at 699.Ø-699.2.

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	7013	7017			5B61	→4L17 (100$#) 90:10
						Light to medium grey phyllite +/- yellowish-green quartz-sericite-chlorite altered and with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces ± yellowish tint. Moderately hard, smooth (weak silicification). Pyrrhotite laminae (1-3mm wide) following S_1, S_2. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
						Off-white buff quartz-dolomite-calcite concordant bands (veins?) subparallel to S_2 are weakly to moderately calcareous, hard and have sharp contacts with 5B61→4L17.
L	7073	7087			4C81	(4L1) 70:30
						Magnetite-bearing pyritic quartzite contains 50% quartz, 30% pyrite, 15% magnetite and 5% dolomite. Very weakly calcareous CS_2 and PS_2 foliated. White-grey-brassy yellow fracture surfaces. Hard. Black v.f.g (subhedral?) magnetite occurs as 1-5mm wide bands parallel S_2 and laminae following S_1. Brassy yellow m.-f.g. euhedral-cubic pyrite occurs within bands parallel S_2 and laminae following S_1. Off-white weakly calcareous dolomite occurs as laminae, beds.
						Interbands of yellowish-green grey quartz-sericite-chlorite altered phyllite with siltstone laminae/beds are weakly calcareous, CS_2 and PS_2 foliated, moderately soft and have gradational contacts with 4C8.
L	7087	7093			4C80	
						Pyritic quartzite contains 50% quartz, 45% pyrite and 5% dolomite.

CRI 1087 F-3A

DDH 91DY-04

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
						Very weakly calcareous, C_2 and B_2 foliated, White-grey-brassy yellow fracture surfaces. Hard. Brassy yellow medium euhedral cubic pyrite occurs as disseminations, bands parallel S_2. Very good core recovery and RQD. Gradational upper contact parallel S_2.
						709.3 = EOH

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ASSAY LOG (SAMPLER'S COPY) Date Feb. 16/91 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	5925	5940	652279			4L0	
	5940	5956	652280			4L1	
	5956	5965	652281			5B61	→ 4L17
	5965	5983	652282			4L17	
	5983	5997	652283			5B6	→ 4L0
	5997	6003	652284			4E8	→ 4C8
	6003	6015	652285			4C0	(4C7)
	6015	6024	652286			4C0	→ 5B416
	6024	6041	652287			5B41	6
	6041	6049	652288			4L0	
	6049	6060	652289			4L1	→ 5B416
	6060	6070	652290			4L0	(4L1 : 4L7 : 41H0)
	6070	6100	652291			5B64	
	6300	6325	652292			5B64	→ 4L1
	6534	6545	652293			5B01	(4L0)
	6545	6565	652294			5B01	
	6565	6592	652295			5B0	
	6592	6602	652296			5B0	
	6602	6622	652297			5B6	→ 4L0
	6622	6641	652298			5B6	→ 4L0
	6641	6660	652299			5B6	
	6660	6678	653000			5B6	
	6678	6690	653001			4G0	
	6690	6708	653002			4G0	(4E0)
	6708	6719	653003			5B6	→ 4L0 (4L0)
	6719	6730	653004			4L0	(4L0 → 5B6)
	6730	6757	653005			4L0	(4L0 → 5B6
	6757	6780	653006			5B6	→ 4L0
	6780	6810	653007			5B6	→ 4L0
	6810	6830	653008			5B6	→ 4L0
	6830	6842	653009			4C8	
	6842	6855	653010			40Q1	
	6855	6859	653011			4G0	
	6859	6880	653012			4E08	→ 4C08 & 9

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ASSAY LOG (SAMPLER'S COPY) Date Feb. 16/91 Sampled by _____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 … 14	16 … 20	22 … 26	28 … 30	32 … 34	36 … 40	42
	6880	6885	653113			4E08	→ 4C08 89 ← Cu ± Au
	6885	6901	653114			4E08	→ 4C08 89
	6901	6911	653115			4C87	89 (4L1)
	6911	6916	653116			4C87	89 (4L1) ← Cu ± Au
	6916	6926	653117			4C87	89 (4L1)
	6926	6934	653118			4E8	→ 4C8
	6934	6955	653119			4C0	→ 4E0
	6955	6960	653120			4G0	
	6960	6965	653121			4E0	(4C0)
	6965	6970	653122			4L0	
	6970	6977	653123			4L0	
	6972	6978	653124			100$#	cpy, gal
	6978	7000	653125			5B61	→ 4L0
	7006	7073	653126			5B611	→ 4L17
	7073	7087	653127			4C81	
	7087	7093	653128			4C0	EOH

DDH C11 04-04 (2 — 8)

CURRAGH RESOURCES INC.
Structural Log

Date: MAY '91 Logged By: S. ZS...

Code	From	To	Feature	Sym	S_0 L_3 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
		107	CS2	S	024	30 355	67	4 = 152° within S_2
		115	PS2		064	— —	80	
		205	CS2	Z	022	35 215	80	irregular S_2
		261	PS2		177	— —	74	
		297	CS2	Z	050	37 227	79	
		369	CS2	Z	007	35 175	80	
		426	CS2	S	—	14 010	80	weak S_2
		489	PS2		020	— —	75	
		512	PS2		155	— —	84	
		606	CS2	S	010	22 015	81	
		635	CS2	S	930	12 035	76	erratic S_1 locally, weak S_2
		699	CS2	S	—	15 000	75	
		770	CS2	S	083	20 020	74	
		829	CS2	S	025	40 038	75	
		859	CS2	S	166	20 350	74	
		918	CS2	S	011	24 025	84	irregular S_2
		1002	CS2	S	045	15 045	83	
		1055	CS2	S	174	27 355	70	
		1107	CS2	Z	—	35 180	77	
		1176	PS2		020	— —	78	
		1230	CS2	Z	915	25 195	75	
		1283	CS2	Z	003	30 180	82	
		1354	CS2	Z	925	14 190	80	
		1410	CS2	S	175	35 010	78	
		1485	CS2	S	914	20 350	83	
		1513	CS2	Z	175	22 170	85	
		1574	CS2	S	976	23 040	73	
		1630	CS2	S	045	28 038	70	
		1688	CS2	S	012	20 025	74	
		1757	PS2		— —	— —	74	erratic S_1
		1798	CS2	S	985	28 985	67	
		1863	CS2	S	134	25 310	75	
		1946	CS2	S	162	28 350	83	
		1995	CS2	S	085	12 015	76	
		2963	PS2		907	— —	74	
		2121	CS2	S	930	24 030	84	

DDH 91DX-04 (2 — 8)

CURRAGH RESOURCES INC.
Structural Log

Date: MAY '91 Logged By: [illegible]

I-Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
		214.4	CS2	S	030	21 / 093	84	
		220.3	CS2	Z	157	38 / 215	72	
		228.2	CS2	S	062	20 / 026	68	
		234.1	CS2	S	023	19 / 023	71	
		240.4	CS2	S	090	20 / 280	78	
		242.2	CS2	S	025	18 / 015	72	
		252.0	CS2	Z	—	33 / 175	70	
		256.8	CS2	S	090	23 / 910	79	
		262.3	CS2	S	026	17 / 030	69	
		268.6	CS2	Z	—	20 / 222	72	
		274.9	CS2	S	011	17 / 010	74	
		278.1	CS2	S	166	25 / 340	80	erratic S_1 dip
		285.5	PS2		014	— / —	73	
		290.2	CS2	S	015	20 / 020	76	
		294.0	CS2	S	025	10 / 930	69	
		298.8	CS2	S	—	20 / 030	82	
		305.1	CS2	S	010	15 / 900	82	erratic S_2
		312.2	PS2		090	— / —	74	very erratic S_1
		319.4	PS2	Z	—	25 / 260	77	
		325.0	PS2	S	005	17 / 345	80	
		330.9	PS2		—	— / —	72	
		336.5	PS2		063	— / —	81	
		341.3	PS2		—	— / —	73	
		346.2	CS2	S	—	26 / 015	66	
		351.8	CS2	S	018	23 / 030	84	
		355.2	CS2	S	030	17 / 010	63	
		363.0	CS2	Z	—	28 / 180	75	
		369.4	PS2		—	— / —	68	
		373.8	CS2	S	—	15 / 930	72	
		380.8	PS2		—	— / —	74	
		384.6	PS2		—	— / —	82	
		392.1	CS2	Z	—	25 / 190	62	
		399.3	CS2	S	—	20 / 284	74	
		405.5	CS2	S	119	17 / 323	65	
		410.2	PS2		—	— / —	62	
		414.3	CS2	S	010	22 / 920	72	

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: MAY '91 Logged By: J. Sullivan

Code	From	To	Feature	Sym	S_0 Dip	S_0 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		
		419.4	CS2	S		030	17	000	70		
		428.1	CS2	S		042	13	025	80		
		434.0	CS2	S		052	27	010	78		
		438.0	CS2	Z		—	15	117	76		
		442.3	CS2	S		—	20	017	77		
		448.1	PS2			157	—	—	88		
		453.9	PS2			085	—	—	69		erratic S_1
		457.3	CS2	S		044	30	015	64		
		461.8	CS2	S		010	30	340	85		
		473.4	PS2			—	—	—	74		
		478.9	CS2	S		—	15	310	72		
		483.0	CS2	S		163	22	210	69		
		489.7	CS2	S		—	17	335	77		
		492.8	PS2			—	—	—	85		
		500.8	CS2	S		—	27	000	69		
		505.0	PS2			—	—	—	77		
		510.2	CS2	Z		—	12	095	80		
		515.6	CS2	S		—	24	313	77		
		520.3	PS2			—	—	—	82		
		525.7	PS2			—	—	—	80		
		532.2	PS2			—	—	—	81		
		538.4	PS2			—	—	—	85		
		544.2	CS2	S		—	22	355	75		
		547.2	PS2			—	—	—	82		
		551.5	PS2			—	—	—	78		
		558.6	CS2	S		—	20	025	69		
	561.6	592.0									MSSW DIORITE
											cont'd next page...

DDH 91DY-04 (2 / 8) CURRAGH RESOURCES INC.

Structural Log Date: Feb. 16/91 Logged By: D. Hallwell

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		58.2						Quartz Diorite, Massive.
S								Z
S								Quartz Diorite, Diorite, Massive.
S		593.2	CS,2S		1.69	50 Ø1.8	68	
S		607.4	CS,2S		Ø54	42 276	77	
S		607.0	CS,2S		1.69	30 000	65	DD2
S		610.4	CS,2S		Ø29	1.6 Ø26	71	
S		617.4	CS,2Z		000	33 21.7	74	
S		622.8	CS,2S		Ø89	1.5 Ø1.8	78	
S		628.5	CS,2S		Ø28	5.6 000	71	
S		631.1	PS,2				88	No Cs_2 without "saddle"-like upper surfaces.
S		638.9	CS,2S		Ø25	3.2 Ø37	64	
S		646.1	CS,2S		Ø87	1.7 Ø49	60	
S		651.8	CS,2S		Ø24	1.1 Ø1.7	77	
S		657.7	CS,2Z		Ø63	63 Ø61	83	
S		661.3	CS,2S		13.7	4.6 29.6	80	
S		664.4	CS,2S		1.69	79 Ø.00	82	DD2
S		673.3	CS,2Z		1.49	1.1 Ø69	77	
S		680.2	CS,2S		1.1.8	1.6 3.5.5	84	
S		685.8	CS,2Z		17.3	40 1.8.0	50	
S		690.3	CS,2S		1.14	6.2 27.7	82	
S		698.2	CS,2S		Ø1.9	1.7 338	77	
S		701.2	CS,2S		1.56	2.3 000	64	DD2
S		705.5	CS,2S		17.1	3.5 000	76	DD2
								EOH (?)

DDH 91DY-041 (2 8)

CURRAGH RESOURCES INC.
Fault Log

Date: MAY '91 Logged By: J. McCaffrey

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		
	138.4	A1. 2	B3G				20	330			S_2 fracs dominant, weak fabric @ 20° wrt CA. Sporadic
	41. 2	44. 5	B2								
	64.1 2	65. 3	X2				10				healed with calcite, trends @ low ang. wrt C.A.
	68.9	69.1 0	X2				20	120			± healed with calcite, locally open
		72. 7	S3				20	200			1-2mm slip @ rotated S_2
	87. 3	88. 4	B2								// S_2
	88. 4	88. 6	B3G				20				
	94. 4	94. 7	B3G								// S_2
	131.0	131. 4	X3G				05				
	131.4	132. 9	G3				20				poorly consolidated gouge
	191. 4	191. 6	G3		45	220			25		S_2 appears rotated at F.W. contact.
	213. 1	215. 3	B2								// S_2 - dolomitic
	215. 3	216. 7	B3								" ", trace gouge
	216. 7	217. 4	B2								" "
	243. 9	244. 9	B3G								dolomitic
	244. 9	247. 8	B3G								calcareous ± dolomitic
	247. 8	255. 0	B3G								dolomitic
	255. 0	255. 4	B2								dolomitic
	258. 3	260. 0	B2G								calcareous
	282. 4	283. 8	B3G								

DDH 91DY-04 (2 8)

CURRAGH RESOURCES INC.

Fault Log

Date: _____ Logged By: _____

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	
	283.8		287.5		B3								
	291.6		293.3		B3G								
	310.7		315.2		B2								dolomitic
	315.2		317.4		SBG		55	945	3P	T	25	35P	shear + open @ gouge
	334.5		336.2		B2								dolomitic
	348.8		350.2		B3								dolomitic
	358.7		358.8		G3				30	03D			
	379.3				S3		110	120					1 cm poorly healed shear
	416.8		417.8		G3		05	090					UPPER CONTACT MEASUREMENT
	491.6		492.3		G3		110	045					UPPER CONTACT MEASUREMENT
	496.1		499.4		B3								
	499.4		501.2		B3G								
	512.6		512.5		G3								
	529.1		531.2		S3G		05						INTERNAL DIP
	531.2		531.8		B3G								
	531.8		531.9		B2								
	541.7		541.9		B3G		15						INTERNAL DIP OF GOUGE
	551.3		556.0		BRG		25	330					Average dip of fractures

DDH 91DY-04 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	592Ø	5925	2B					Blocky. Upper, lower contacts at CA 70°, 58°, respectively
F		5925	1S			341		Slickensides at 341° to S_2 strike; 263° to S_2 dip.
F	6043	6044	1BR					Blocky to rubbly zone. Chloritic
F	6304	6307	1B					Broken. Upper, lower contacts at CA 86°, 82°; respectively.
F	6737	67A0	2B					Blocky zone. Upper, lower contacts at CA 67°, CA 74°; respectively.
F	6743	6746	3B					Blocky zone. Upper, lower contacts at CA 85°, CA 88°; respectively
F	6753	6755	2GR			71 026		Chloritic-sericitic fault gouge with
						84 028		C, S structures not parallel (i.e.
						75 081		not true mylonite) at CA 29°(C),
								CA 27°(S). C at 026°/71° to
								S_2 strike. S at 028°/84°
								to S_2 strike. Fault gouge at
								081°/75° to S_2 strike.
F	6769	6770	1B					Blocky. Upper, lower contacts at CA 64°, CA 68°, respectively.

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-04

Units: Feet / Metres (Metres) Date: MAY '91 Logged By: S. Zbeetnoff Page 63 of

A

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
4.6																		NQ	CASING
8.1	3.5	1.7	R_2	9	2	2	12	6	J					51	10	6	S		
12.7	4.6	1.9	R_2	9	1	2	14	6	J					67	8	6	S		
14.4	1.7	0.5	R_2	7	1	1	12	10	J					27	10	6	S		
20.9	6.5	2.7	R_2	9	1	1	14	6	J					68	10	6	S		
22.5	1.6	0	R_2	7	1	2	16	6	J					31	10	6	S		
89.2	7.3	3.4	R_2	9	1	1	10	6	J	5	16	6	J	60	10	6	S		
38.4	9.2	4.4	R_2	10	1	5	16	6	J					86	10	6	S		
40.2	1.6	0.1	R_2	3	1					8	12	10	J	31	10	10	S		Minor gouge coatings throughout
41.2	0.6	0	R_2	2	1	1	12	10	J	3	12	10	J	17	10	10	S		
42.5	1.3	0	R_2	7	1					1	12	10	J	31	10	6	S		
45.7	3.2	1.3	R_2	9	1	2	12	6	J	8	14	6	J	27	10	6	S		
47.6	1.9	0.6	R_2	7	1	1	14	6	J					27	10	6	S		
54.3	6.7	4.0	R_2	10	1	2	14	6	J					60	10	6	S		
58.5	4.2	2.1	R_2	10	1	2	10	6	J					36	10	6	S		
64.1	5.9	3.3	R_2	11	1					1	10	6	J	52	10	6	S		
65.3	1.2	0.3	R_2	7	1	3	16	6	J	7	12	6	S	6	12	6	S		
70.3	5.0	1.8	R_2	9	1					7	12	6	S	52	10	6	S		10cm crushed @ 69.0
74.4	4.1	2.1	R_2	11	1					3	16	6	J	40	10	6	S		
75.3	0.9	0.1	R_2	7	1									19	10	6	S		
76.0	0.7	0	R_2	6	1	3	16	6	J					20	10	6	S		
81.4	5.4	4.4	R_2	11	1					2	14	6	J	36	12	6	S		
86.6	5.2	4.4	R_2	11	1									36	12	6	S		
88.7	1.7	0.2	R_1	3	2	4	12	16	J					26	12	10	S		locally crushed, gouge sporadic
89.9	1.0	0.1	R_2	7	2									23	12	6	S		
94.4	4.5	2.8	R_2	10	1					1	10	6	J	38	12	6	S		
94.9	0.4	0	R_2	3	1	4	12	10	J					26	10	10	S		gouge coatings are common
96.6	1.7	0.3	R_2	9	1					3	14	6	J	20	10	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 9104-04

Units: Feet / Metres (966) Date: MAY-91 Logged By: S. Zbik Page 64 of B

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
101.6	5.0	4.7	R_2	12	1	1	14	6	J					25	12	6	S	NQ	
105.8	4.6	3.9	R_2	11	1	1	14	6	J	2	12	6	J	30	12	6	S		
111.7	5.9	4.9	R_2	11	1					3	14	6	J	36	10	6	S		
114.9	3.7	1.9	R_2	9	1					5	12	10	S	32	10	6	J		rarely crushed cyto 5cm
115.4	0.5	0.5	R_2	11	1									8	12	6	S		
116.3	0.9	0.3	R_2	7	1	2	14	6	J					15	12	10	S		minor gouge coatings
117.6	1.3	0.6	R_2	9	1									13	10	6	S		
119.1	1.5	0.2	R_2	7	1									26	12	10	S		minor gouge coatings
120.2	0.9	0.8	R_2	10	1									8	12	6	S		
121.0	0.8	0.1	R_2	9	1					1	12	10	J	15	10	10	S		sporadic minor gouge coatings
124.3	3.3	2.6	R_2	10	1									07	12	6	S		
129.4	5.1	4.5	R_2	12	1	1	14	6	J					32	12	6	S		
131.4	2.0	1.3	R_1	11	2	4	12	16	G					14	10	10	S		moderate gouge sporadic
133.2	1.8	0	S_2	2	2	6	14	16	G	5	16	16	G	17	10	16	G		Gouge (G) luck Fragments
136.1	2.9	2.7	R_2	11	1									15	12	6	S		
139.8	3.7	3.0	R_2	11	1									28	10	6	S		
142.6	2.8	1.8	R_2	10	1									23	12	6	S		
145.7	3.1	2.7	R_2	11	1									18	12	6	S		
147.1	1.4	0.7	R_2	9	1									19	12	6	S		
153.0	5.9	3.6	R_2	10	1									45	12	6	S		
159.9	6.9	5.0	R_2	11	1	2	14	10	J					47	12	6	S		
160.9	1.0	0.3	R_2	9	1	2	12	16	G	8	12	10	S	9	12	10	S		Sporadic gouge < 0.5cm
164.0	3.1	2.6	R_2	10	1					1	10	6	S	08	12	6	S		
169.8	5.8	3.7	R_2	11	1	2	16	6	J	4	12	6	J	31	12	6	S		
175.9	6.1	4.0	R_2	10	1					3	10	16	J	48	12	6	S		minor gouge coatings @ 174.8 - 175.0
181.4	5.5	3.9	R_2	11	1									46	12	6	S		
188.1	6.7	4.8	R_2	11	1									52	10	6	S		
190.8	2.7	2.4	R_2	12	1									16	12	6	S	↓	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-04

Units: Feet / Metres (1908) Date: MAY '91 Logged By: S. Scott Page 65 of C

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
191.4	0.6	0.2	R_2	9	1									6	12	6	S	NQ	
191.7	0.3	0	S_2	1	1	3	10	16	G					2	14	6	J		Gouge band
194.2	2.5	1.8	R_2	11	1									22	12	6	S		
200.3	6.1	4.4	R_2	11	1									50	12	6	S		
206.4	6.1	5.3	R_2	11	1									40	12	6	S		
210.2	3.8	3.4	R_2	12	1									29	12	6	S		
210.7	0.5	0	R_2	7	1									7	10	10	S		Minor gouge
214.5	3.8	3.4	R_2	12	1	1	16	6	J					23	12	6	S		
215.4	0.9	0	R_2	7	2	1	16	6	J	2	14	6	J	16	12	6	S		
216.8	1.2	0	R_2	3	2	12	16	16	J					45	10	10	S		gouge coatings common
218.6	1.8	0.8	R_2	9	1					1	14	6	J	28	10	6	S		
220.3	1.7	1.2	R_2	10	1									17	12	6	S		
221.6	1.3	0.4	R_2	9	1									18	10	6	S		
223.0	1.4	0.2	R_2	7	1									22	12	6	S		
226.8	3.8	2.6	R_2	10	1					3	10	6	J	31	12	6	S		
230.0	3.2	2.8	R_2	11	1									21	12	6	S		
231.5	1.5	0.6	R_2	8	1									18	12	6	S		
236.7	5.2	4.5	R_2	12	1									34	12	6	S		
239.9	3.2	1.4	R_2	9	1	2	14	6	J	2	12	10	J	31	12	6	S		
242.9	3.0	2.1	R_2	11	1	2	20	6	J					27	12	6	S		trace gouge coatings $11 S_2$
244.0	1.1	0.5	R_1	10	2					2	16	6	J	10	12	10	S		
245.7	0.8	0	R_1	2	2					8	12	16	J	15	10	10	S		moderate gouge throughout
246.9	1.6	0	R_1	3	2	3	12	16	J	5	14	10	J	36	10	10	S		sporadic gouge
248.7	0.5	0	R_1	3	2	3	14	16	G					13	10	16	G		moderate gouge throughout
250.6	1.1	0	R_2	3	1	3	14	10	J	12	10	10	J/S	20	10	10	S		sporadic gouge coatings
252.0	0.7	0	R_2	3	1	4	12	10	J					26	10	16	S		crushed gouge common.
252.7	0.7	0.3	R_2	7	1	3	14	6	J					7	10	10	S		rare gouge coatings
255.0	1.7	0.1	R_1	3	2					8	12	16	J	40	10	10	S		gouge common throughout

FAULT

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-04

Units: Feet / Metres (circled) Date: MAY '91 Logged By: J. Stockdale Page 66 of

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
257.0	2.0	1.2	R_2	10	1	2	14	6	J	4	12	6	J	14	12	6	S	NQ	
259.5	2.5	0.4	R_2	7	1	4	18	6	J	1	10	16	G	47	10	6/10	S		Sporadic gouge coatings
259.8	0.2	0	R_1	3	2	2	16	16	G	—	—	—	—	11	10	16	G		Gouge v.g common
261.2	1.4	0.2	R_2	7	1	1	14	16	J	1	10	16	G	26	10	6	S		rare gouge coatings
264.0	3.8	1.4	R_2	9	1	—	—	—	—	—	—	—	—	32	12	6	S		
266.8	2.8	2.7	R_2	11	1	—	—	—	—	—	—	—	—	12	12	6	S		
267.3	1.5	0.4	R_2	7	1	2	12	6	S	—	—	—	—	23	12	6	S		gouge common @ 267.0-267.2
270.4	3.1	2.6	R_2	11	1	—	—	—	—	—	—	—	—	25	10	6	S		
271.6	1.2	0.8	R_2	11	1	—	—	—	—	—	—	—	—	15	10	6	S		
273.4	1.8	0.6	R_2	7	1	—	—	—	—	—	—	—	—	28	12	6	S		
280.0	6.6	5.1	R_2	11	1	—	—	—	—	10	12	6	S	43	12	6	S		
281.3	1.3	0.2	R_1	9	2	—	—	—	—	—	—	—	—	22	12	10	S		
282.3	1.0	0.5	R_2	10	1	—	—	—	—	—	—	—	—	9	12	6	S		sporadic gouge
284.7	2.2	0	R_2	3	1	—	—	—	—	13	12	10	J	72	10	10	S		sporadic gouge coatings
287.6	2.9	0.6	R_2	5	1	—	—	—	—	10	12	10	J	63	10	10	S		" " "
290.7	3.1	0.8	R_2	9	1	3	14	6	J	—	—	—	—	39	10	6	S		
293.3	2.4	0	R_2	5	2	4	14	6	J	3	10	16	G	50	10	6/10	S		sporadic gouge coatings
296.5	3.2	1.7	R_2	10	1	1	14	6	J	6	14	6	J	32	10	6	S		
297.9	1.4	0.3	R_2	9	1	1	12	10	J	4	12	6	J	14	12	6	S		
302.1	4.2	2.1	R_2	11	1	1	10	10	J	—	—	—	—	36	12	6	S		
303.5	1.4	0	R_2	7	1	—	—	—	—	3	12	10	J	28	12	10	S		rare gouge coatings
307.9	4.4	3.2	R_2	12	1	—	—	—	—	—	—	—	—	34	12	6	S		
310.7	2.8	1.6	R_2	10	1	—	—	—	—	4	12	10	J	31	12	6	S		
311.2	0.5	0.2	R_1	9	3	—	—	—	—	—	—	—	—	7	10	10	S		oxidized & dolomitic
315.2	3.5	0.4	R_1	6	2	4	12	16	G	8	12	10	J	43	10	6	S		sporadic gouge coatings
317.4	2.0	0	R_1	5	2	14	10	16	G	—	—	—	—	11	10	10	S		shear ± open gouge
319.1	1.7	0.8	R_2	9	1	2	12	6	J	2	12	6	J	17	12	6	S		
324.4	3.3	2.6	R_2	12	1	8	16	10	J	2	16	6	J	24	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-04

Units: Feet / Metres (Metres)

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
326.3	1.9	1.6	R_2	11	1	1	14	10	J	2	14	6	J	13	12	6	S	NQ	
328.5	2.2	0.6	R_2	9	1	1	10	6	J	8	14	6	J	19	12	6	S		
334.5	4.0	3.3	R_2	11	1	1	10	6	J	5	16	6	J	32	10	6	S		
336.2	1.7	0.3	R_1	8	3	5	16	10	J	4	16	6	J	25	12	6	S		dolomite + gouge & crushed
340.7	4.5	.8	R_2	11	1					1	10	6	J	29	12	6	S		
342.5	0.8	0.4	R_2	9	1									10	12	6	S		
347.6	5.1	4.6	R_2	13	1									32	12	6	S		
350.2	2.6	0.4	R_2	7	2	3	12	16	G					37	10	6/10	S		Sporadic gouge & dolomite
358.3	8.1	7.4	R_2	13	1	2	14	6	J	1	12	10	J	31	12	6	S		
359.1	0.8	0	R_2	7	1	4	10	16	G					6	10	6	S		Gouge @ 358.7 - 358.8
366.9	7.8	7.0	R_2	13	1									43	12	6	S		
368.3	1.4	1.3	R_2	10	1									8	12	6	S		
369.5	1.2	0.3	R_2	9	1					2	12	10	J	13	12	6	S		
373.9	4.4	3.4	R_2	11	1									33	12	6	S		
377.3	3.4	2.2	R_2	10	1					4	12	10	J	43	12	6	S		
380.1	2.8	0.7	R_2	7	1	1	16	16	J	2	16	6	J	41	12	10	S		minor gouge coatings
381.4	1.3	1.2	R_2	10	1									9	12	6	S		
382.5	1.1	0.4	R_2	8	1	2	12	16	G	3	14	6	J	14	12	6	S		
384.4	1.9	1.6	R_2	11	1									14	12	6	S		
387.8	3.4	0.7	R_2	7	1	2	10	16	G	13	10	16	G	57	10	6	S		locally 2-5cm crushed @ gouge
391.0	3.2	1.3	R_2	9	1									38	10	6	S		
394.1	3.1	2.0	R_2	11	1									34	12	6	S		
394.7	0.6	0	R_2	5	1									25	10	6	S		
397.8	3.1	2.6	R_2	11	1									25	12	6	S		
398.2	0.4	0	R_2	5	1									8	10	10	S		5cm gouge at 398.0. 11 S_2
400.7	2.5	0.1	R_2	6	1					2	16	6	S	39	10	6	S		
403.1	2.4	1.2	R_2	9	1									30	10	6	S		
405.8	2.7	1.5	R_2	10	1									29	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
407.8	2.0	0.5	R_2	6	1					2	12	6	J	44	12	6	S	NQ	
409.3	1.5	0.6	R_2	7	1									20	12	6	S		
411.4	2.1	1.2	R_2	10	1	1	16	10	J	3	12	6	S	16	12	6	S		
416.1	4.7	3.2	R_2	11	1									47	12	6	S		
422.0	5.9	4.5	R_2	12	1					1	16	6	S	51	12	6	S		
424.2	1.8	0.3	R_2	8	1	1	14	6	J	1	14	10	J	31	12	6	S		
424.6	0.4	0	R_2	2	1	3	12	16	G					9	10	16	S		crushed @ gouge at 424.4-424.5
428.1	3.5	1.7	R_2	8	1									34	12	6	S		
429.3	1.2	0.1	R_2	6	1									34	10	6	S		
436.5	7.2	3.8	R_2	9	1									89	10	6	S		
440.1	3.6	0.5	R_2	6	1	1	16	6	J					67	12	6	S		
446.4	6.3	3.1	R_2	9	1					1	14	6	J	66	12	6	S		
447.9	1.5	0	R_2	6	1					3	12	16	G	41	10	10	S		minor gouge locally
450.1	2.2	0.6	R_2	9	1					3	12	16	G	20	10	6	S		" " "
452.0	1.9	1.6	R_2	11	1									13	12	6	S		
454.8	2.8	0.4	R_2	6	1	4	14	6	J					44	10	6	S		
458.0	3.2	1.8	R_2	10	1	2	14	6	J					37	10	6	S		
463.7	5.7	5.1	R_2	11	1									28	10	6	S		
465.4	1.7	0.3	R_2	7	1									36	10	6	S		Very rare gouge ∠1.0cm // S_2
474.4	9.0	7.7	R_2	12	1									55	10	6	S		
476.8	2.4	0.8	R_2	9	2	1	14	16	G	2	20	16	G	25	10	6	S		
477.8	0.8	0	S_2	0	2														gouge with rusty bands
478.9	1.1	0.2	R_2	9	2	3	16	10	J					11	10	6	S		
481.9	3.0	2.7	R_2	11	1									17	12	6	S		
484.6	2.7	1.1	R_2	9	2	3	14	10	J	1	12	10	J	22	12	6	S		
486.4	1.8	0.3	R_2	7	2	6	14	10	J					16	12	6	S		Sporadic gouge coatings
488.9	2.5	0.3	R_2	7	2	5	10	16	G					30	12	6	S		" " "
489.5	0.6	0	R_2	5	1	3	12	6	J					9	10	6	S		

CURRAGh RESOURCES INC.

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
491.6	2.1	1.5	R_2	11	2	1	14	10	J					18	12	6	S	NQ	
492.3	0.3	0	S_2	1	2														
496.1	3.8	2.9	R_2	12	2									30	12	6	S		
499.3	3.2	0.2	R_2	3	2	8	14	16	G					93	10	10	S		
500.2	0.9	0.9	R_2	2	3	4	12	16	G					28	10	16	G		sporadic gouge upto 10cm. gouge & crushed rock
501.9	1.7	0	R_2	7	2					2	12	6	J	45	10	10	S		
506.7	4.8	2.3	R_2	8	1									56	12	6	S		
507.6	0.9	0.1	R_2	7	1									16	12	6	S		± crushed upto 10cm.
509.9	2.3	0.4	R_2	7	2	3	14	10	J	1	14	10	J	44	12	10	S		gouge coating common.
512.7	2.8	0.9	R_2	8	2	4	14	10	J					45	12	6	S		
516.7	4.0	3.4	R_2	11	1									30	12	6	S		
518.7	2.0	0.4	R_2	8	2					3	10	16	G	25	12	10	S		sporadic gouge coatings
520.8	2.1	1.8	R_2	11	1									16	12	6	S		
523.1	3.3	0.5	R_2	7	3									27	10	10	S		sporadic gouge coatings & crushed zones
524.6	1.5	1.1	R_2	10	2									14	12	10	S		
525.5	0.6	0	S_2	1	1														gouge @ ± crushed rock
526.3	0.8	0.3	R_2	9	2									9	14	6	S		
526.7	0.4	0	R_2	3	2	2	12	16	G	3	12	16	G	7	12	10	S		
529.1	2.6	0	R_2	6	2					7	10	16	G	34	10	10	S		gouge coatings very common
530.9	1.0	0	R_2	2	2	15	10	16	G					40	10	16	G		strongly crushed @ gouge
531.7	0.7	0.1	R_2	8	2	2	16	10	J					14	10	16	S		gouge very common
532.3	0.3	0	R_2	2	2														strongly crushed
534.6	2.1	0	R_2	3	1	12	10	16	G					57	12	10	S		
535.2	0.6	0	R_2	8	1									10	10	10	S		
536.6	1.2	0.1	R_2	3	2	9	10	16	G					31	10	16	S/G		
437.8	1.1	0	R_2	5	1	1	12	16	G					11	10	10	S		
539.8	2.0	0.5	R_2	6	2	1	16	10	J					34	12	6	S		
542.4	2.6	2.3	R_2	11	1									17	12	6	S	√	

CURRAGh RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-04

Units: Feet / Metres Date: MAY-91 Logged By: E. Scott Page [4] of [ ]

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
546.7	4.3	2.5	R_2	10	1	—	—	—	—	3	14	6	J	31	10	6	S	NQ	
548.4	1.7	0	R_2	6	2	1	18	6	J	—	—	—	—	57	10	6	S		
549.1	0.5	0	R_2	2	2	2	10	16	G	—	—	—	—	11	10	10	S		
549.5	0.4	0	R_2	5	1	—	—	—	—	—	—	—	—	16	10	10	S		
552.3	2.8	0.9	R_2	9	2	—	—	—	—	—	—	—	—	41	10	6	S		
552.9	0.5	0	R_2	7	2	2	10	16	G	—	—	—	—	12	10	10	S		Gouge common
553.6	0.7	0.3	R_2	8	2	—	—	—	—	—	—	—	—	9	10	10	S		Gouge very common
555.2	1.8	0.4	R_2	5	3	8	12	16	G	—	—	—	—	27	12	16	S/G		
556.1	0.9	0	R_2	6	1	—	—	—	—	—	—	—	—	13	12	6	S		
558.8	2.7	2.6	R_2	12	1	—	—	—	—	—	—	—	—	16	12	6	S		
559.5	0.7	0	R_2	8	1	—	—	—	—	—	—	—	—	12	12	6	S		
561.6	2.1	1.7	R_2	11	1	—	—	—	—	—	—	—	—	15	12	6	S		
563.7	2.1	1.8	R_3	14	1	5	12	6	J	1	12	6	J	8	14	6	S		DYKE
564.6	0.9	0.9	R_3	10	1	—	—	—	—	—	—	—	—	6	14	6	S		"
570.1	5.5	5.3	R_3	14	1	4	10	6	J	—	—	—	—	13	14	6	S		"
571.6	1.4	0.6	R_3	9	1	1	10	6	J	—	—	—	—	16	14	6	S		ground core DYKE
573.0	1.4	1.2	R_3	12	1	1	10	6	J	—	—	—	—	5	18	6	S		DYKE
574.2	1.2	0.7	R_3	11	1	6	12	6	J	—	—	—	—	5	12	6	S	↓	DYKE
																			cont'd next page

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

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Units: Feet / Metres Date: Feb 15/91 Logged By: DRH Page 70 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA																Core Size	Comments
						0–30				30–50 65				50–70				65 70–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
577.6	3.2	2.2	R4	15	2	3	15	10	J	1	15	10	J					10	15	10	J	NQ	
580.6	3.1	1.9	R5	14	2	2	15	10	J	3	14	10	J					4	14	10	J		
583.7	3.0	1.7	R4	13	1	0	–	–	–	3	14	10	J					11	14	10	J		
586.7	3.1	2.2	R4	14	1	0	–	–	–	3	14	10	J					16	14	10	J		
589.8	3.0	2.7	R4	15	2	0	–	–	–	0	–	–	–					4	14	10	J		
592.5	2.5	1.6	R4	14	1	1	14	10	J	3	15	10	J					13	14	10	J		
595.0	2.2	1.1	R3	12	2	0	–	–	–	3	14	10	J					20	11	8	S		
596.5	1.6	0.4	R3	10	2	2	15	10	J	2	15	10	J					13	11	10	S		
597.9	1.1	0	R3	10	2	1	14	10	J	1	16	10	J					17	11	10	S		clayey-org gouge
600.9	3.0	0.9	R3	10	1	2	16	10	J	2	14	10	J					39	11	5	S		
604.0	3.0	1.1	R3	10	1	1	15	10	J	3	12	10	J					29	12	6	S		
607.2	3.0	0.7	R3	10	2	1	14	10	J	1	15	10	J					39	11	5	S		
610.2	3.0	2.0	R2	13	1	0	–	–	–	0	–	–	–					30	12	6	S		
611.7	1.5	0.9	R2	12	1	0	–	–	–	0	–	–	–					12	20	10	S		
614.8	3.1	1.7	R2	12	1	0	–	–	–	1	12	10	S					31	12	6	S		
617.8	3.0	2.3	R2	12	1	0	–	–	–	2	14	10	J					23	12	6	S		
620.9	3.1	1.5	R2	14	1	0	–	–	–	1	13	10	S					31	12	6	S		
623.9	3.0	0.8	R2	12	1	1	16	10	J	3	14	10	S					45	12	3	S		
625.4	1.5	0	R2	9	2	1	16	10	J	0	–	–	–					36	11	10	S		
627.9	2.2	1.4	R2	12	1	0	–	–	–	3	14	10	J					17	12	10	S		
630.0	2.1	0.5	R2	10	1	0	–	–	–	2	15	10	J					36	11	10	S		
631.0	1.6	1.2	R3	11	1	0	–	–	–	0	–	–	–					14	12	10	S		
632.5	0.4	0.4	R3	13	1	0	–	–	–	1	17	10	J					3/4	12/12	10/10	S/S		
633.1	0.6	0.3	R3	13	1																		
636.1	2.7	1.6	R2	15	1	1	16	10	J	2	17	10	J					23	12	8	S		
639.2	3.0	1.2	R2	14	1	0	–	–	–	2	16	10	J					30	12	6	S		
642.2	2.9	1.8	R2	14	1	0	–	–	–	0	–	–	–					30	12	6	S		
645.3	3.1	1.1	R2	11	1	2	16	10	J	2	16	10	J					47	12	3	S		
648.3	3.1	2.2	R2	14	1	0	–	–	–	0	–	–	–					22	12	8	S		
651.4	2.7	2.3	R2	15	1	0	–	–	–	1	17	10	J					16	12	10	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-04

Units: Feet / Metres Date: FEB 16/91 Logged By: RW/DRH Page 71 of 71

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
654.4	3.0	1.2	R3	13	1	Ø	–	–	–	Ø	–	–	–	33	12	6	S	NQ	
657.5	3.0	1.3	R2	12	1	Ø	–	–	–	Ø	–	–	–	32	12	6	S		
660.5	3.0	1.0	R2	13	1	Ø	–	–	–	Ø	–	–	–	48	13	3	S		
663.5	3.0	0.9	R2	12	1	Ø	–	–	–	Ø	–	–	–	46	12	3	S		
666.6	2.8	0.4	R2	12	1	Ø	–	–	–	3	11	10	S	58	12	3	S		
669.6	2.9	0.7	R3	8/12	1	1	16	10	J	2	15	10	J	57	13	3	S		
672.7	3.1	1.2	R3	13/14	1	Ø	–	–	–	1	15	10	J	36	12	6	S		
674.5	1.9	0.2	R2	8	2	4	15	10	J	4	14	10	S	40	12	3	S		
676.4	1.9	0.1	R2	10	2	1	14	10	J	3	9	10	SJ	33	12	6	S		clayey fault gouges
678.8	2.1	1.0	R2	10	1	2	14	10	J	2	16	10	J	36	12	5	S		
681.8	3.0	1.9	R2	14	1	Ø	–	–	–	2	14	10	J	24	12	8	S		
684.9	3.0	2.5	R3	14	1	Ø	–	–	–	3	14	10	J	15	12	10	S		
687.9	3.0	2.8	R3	14	1	1	15	10	J	1	15	10	J	15	13	10	S		
691.0	3.0	2.5	R3	14	1	1	15	10	J	2	16	10	J	7	13	10	S		
694.0	3.0	2.5	R3	14	1	Ø	–	–	–	5	15	10	J	10	13	10	S		
697.1	3.0	2.4	R3	13	1	Ø	–	–	–	3	15	10	J	16	13	10	S		
700.1	3.1	2.6	R2	14	1	Ø	–	–	–	1	16	10	J	16	13	10	S		
703.2	2.9	1.8	R2	13	1	Ø	–	–	–	2	15	10	J	26	13	8	S		
706.2	2.9	2.7	R2	13	1	Ø	–	–	–	1	13	10	S	14	12	10	S		
709.3	2.9	2.5	R2	14	1	Ø	–	–	–	1	16	10	J	14	12	10	S		
EOH																			

DDH 91PY-05

CURRAGH RESOURCES INC.
Lithologic Log

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Date: MAY '91 Logged By: [illegible] Zaccarelli

Code	From	To	Recov.	No.	Unit	Description
	0.0	18.3			#	CASING (casing left in hole. Hole cemented, steel tube down hole.
	18.3	27.9			5B29	(100#) 93:07 Medium to medium light gray, moderately calcareous CS$_2$ foliated phyllite hosts 7-10% dm-scale quartz-calcite veins trending ~ // S$_2$. Rock is slightly soft, moderately to locally strongly broken with good recovery. Lower contact is gradational over 0.5m with a slight increase in graphitic matter down hole. Unit hosts 0-trace 5-6mm euhedral Py
	27.9	36.0			5B026	(100#) 93:07 Medium to medium dark gray very weakly calcareous phyllite is DS$_2$ locally CS$_2$ foliated and hosts a weak to moderate graphitic content. Unit hosts trace - 12% dm- and cm-scale quartz-calcite veins and 1% 4-6mm euhedral Py. Rock is slightly soft, moderately broken w. strongly broken to crushed at 33.8-34.1. Recovery is good throughout. Upper and lower contacts are gradational

DDH 91-01-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: S. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	36.0	47.3			SBD2	
						Medium to medium dark gray, moderately to strongly calcareous phyllite is PS$_2$ foliated and hosts 1-2%, 3-5mm euhedral pyrite. Unit hosts 2-3% quartz-calcite veins, commonly on the cm-scale. // S$_2$. Rock is slightly soft, moderately broken and has good recovery. Upper contact is gradational with an increase in calcite with matrix dominance. Lower contact is marked by a shear (± gouge) trending @ 005/32° wrt S$_2$
	47.3	49.1			SBD2	± crushed rock
						Medium to medium dark gray, moderately to strongly calcareous, weakly to moderately carbonaceous phyllite is very strongly broken and commonly crushed with minor gouge. Upper contact is sharp and is represented by a shear trending @ 005/32 wrt S$_2$. Lower contact is // S$_2$ and marked a moderate to slight increase in rock quality. Recovery is good. Unit hosts 0-trace euhedral Py.

DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

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Date: MAY '91 Logged By: D Zbeetoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	49.0	52.8			5BQ2	
						Medium to medium dark, moderately calcareous phyllite is PS_2 locally CS_2 foliated and hosts trace - 1% 3-5 mm euhedral P_y. Rock is slightly, soft, weakly to moderately carbonaceous and generally strongly broken. Unit is crushed @ 50.5 - 50.9. Recovery is good throughout. Upper contact marked by an increase in rock quality. Lower contact is noted as a loss in rock quality.
	52.8	58.0			5BQ2	± crushed rock.
						Medium to medium dark, moderately calcareous PS_2 foliated phyllite is generally strongly broken with bands from 10-60 cm of crushed rock ± gouge are common. Unit is moderately to weakly carbonaceous and hosts trace euhedral P_y. Recovery is good locally fair. Upper contact is noted as a reduction in rock quality down hole. Lower contact is gradational over 1 m with a loss of carbonaceous matter down hole.
	58.0	76.6			5BQ	
						Medium to light gray, moderately to locally strongly calcareous CS_2 foliated phyllite is moderately broken and hosts trace - 1% 3-5 mm euhedral P_y. Very strongly broken to

DDH 91-DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Schaffer

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Crushed intervals are sporadic, and from 3-10cm wide. Recovery is good throughout. Upper contact is gradational over 1.0m with a loss in graphitic material down hole. Lower contact is sharp and marked by a 10cm quartz-calcite vein, // S_2.
	76.6	101.2			5B6	±3 ±→02 (100#) 90:10
						Medium to very slightly dark gray, non-calcareous (very rarely weakly calcareous over width ≤ 5cm) phyllite is PS_2 foliated and hosts 10-12% dm-scale quartz-calcite veins generally // S_2. Crushed and gouge bands are sporadic and are typically 1.0-5.0cm wide. Rock is generally moderately to sporadically strongly broken. Slightly darker color is suspected to be a result of a low calcite content more so than a carbon increase. Upper contact is sharp and marked by a 10cm Qtz-calcite vn. Lower contact is sharp and marked by 10cm gouge and crushed zone trending ± 020/30 wit S_2.
	101.2	108.3			5B26	±3 (100# ; 5D6) 96:03:01
						Medium dark to dark gray, non-calcareous PS_2 foliated phyllite is moderately carbonaceous with very rare wisps of calcite-bearing phyllite rarely upto 2.0cm. Unit hosts 3-4%

DDH 91Y-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY 91 Logged By: S. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						quartz-calcite veins on the dm-cm scale. // S_2 Interval supports a 30cm 506 ~~band~~ band at 101.8. with contacts sharp and // S_2, Interval contains 1% 2-3mm euhedral Py and very rare clots of Po typically associated with qtz-calcite. Interval is moderately broken, slightly to moderately soft and has good recovery. Upper contact is sharp and marked by a 10cm gouge/crushed zone trending @ 020/30 with S_2. Lower contact is gradational in the loss of carbonaceous matter but sharp with calcite contact.
108.3	110.6				5802	(5862 ± 10Q^{m}) · 45:40:15 Medium to medium dark, sporadically strongly calcareous phyllite is DS_2 foliated and hosts a weak to moderate carbonaceous content. Interval contains 1-2% 3-5mm euhedral Py and 10-15% 20-40 cm quartz-calcite veins. Upper contact is gradational with a slight loss of carbonaceous matter, dark and sharp with calcite contact. Lower contact is sharp with calcite void from lower intrusive phyllite.

DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

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Date: MAY '91 Logged By: D. Abercrombie

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	110.6	123.8			5B62	(10Q*:5D6) 93:07:trace
						Medium to medium dark gray, non-calcareous phyllite is PS2 foliated and hosts 7-10% dm-scale and irregular stringers of quartz-calcite. Interval contains 1-2%, 2-4mm euhedral and subhedral Py. Rock is slightly silt, moderately broken with a strongly broken gouge bearing interval at 113.3-113.6. Gouge trends @ 340/15 wit S2. Recovery is good throughout. Upper contact is sharp with a loss of calcite down hole. Lower contact is gradational over 10cm with a loss in carbonaceous matter dwn hole.
						A sing. 1.0cm band of 5D6 exists at 123.3.
	123.8	130.5			5B61	(10Q+$@:5D6:5B611) 83:12:05:trace
						Medium to medium light gray, non-calcareous phyllite is PS2 foliated phyllite hosts 12-15% dm-scale and wisps of quartz with rare occurances of carbonate - dolomite & ankerite. Margins and rare inclusions of phyllite are intensely silicified. Interval hosts a 5D6 band at 125.6-126.2. Rock is generally moderately silt moderately to strongly broken and has good recovery. Upper contact is gradational with a loss in carbonaceous matter in phyllite and a loss of calcite in association with Qtz. Lower contact is sharp, 115 and marks the beginning of a Qtz-Py dominant interval.

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	130.5	134.0			100	±$@ (586±8) 90:10 White Qtz vein hosts wisps clots and bands of weakly to moderately chloritized phyllite. Qtz also hosts very rare dolomite and ankerite clots. Upper and lower contacts are gradational with phyllite becoming more common at contacts. Unit is slightly broken.
	134.0	142.3			586	± fault (100 ±$@) 97:03 Medium gray, absolutely non-calcareous non-dolomitic PS, foliated phyllite hosts 3-5% quartz veins and wisps with rare inclusions of dolomite / ankerite. Phyllite is moderately soft, slightly to moderately broken and has good recovery. A crushed and gouge bearing fault exists @ 137.8 - 138.5. FAULT indicates C band trending @ 025/18° and S bands trending ~ 205/03° all wrt S_2. Upper contact is gradation with Qtz becoming less dominant down hole. Lower contact is fault bound, sharp and trends @ 303/27 wrt S_2.

DDH 91DY-05

CURRAGH RESOURCES INC.

Lithologic Log

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Date: MAY '91 Logged By: J. Zbeetaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	142.3	144.0			5B68	± FAULT
						Medium gray, slightly tarnished to yellow moderately dolumitic unit is PS_2 foliated and hosts crushed and gouge zones at upper and lower contacts. Rock is moderately soft to soft strongly to moderately broken and is suspect to be water bearing. Upper fault contact trends @ 303/27 wit S_2 Lower cotact trends 060/17.
	144.0	149.6			5B69	(10Q#) 90:10
						Medium to medium light gray strongly calcareous phyllite is CS_2 foliated and hosts 0-15% quartz-calcite veins and clots. Unit hosts 1% 2-3mm euhedral pyrite grains. Rock is moderately soft moderately broken and has good recovery. Upper contact is marked by a fault trend @ 060/17 wit S_2. Lower contact is sharp and marked by a 15cm quartz-calcite vein $//S_2$
	149.6	162.5			5B62	(10Q#) 85:15
						Medium to medium dark gray non-calcareous phyllite is generally PS_2 foliated and hosts 15-17% quartz-calcite veins ~~and~~ on the dm and cm scale. Unit hosts 1-2%, 2-3mm euhedral pyrite ~~cr~~ crystals.

DDH 91QX-05

CURRAGH RESOURCES INC.
Lithologic Log

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Date: MAY '91 Logged By: J. Zbeel

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Rock is slightly to moderately silt and slightly carbonaceous. Interval is moderately to strongly broken and has good recovery. Upper contact is sharp // S_2 and marked by a 15cm Qtz - calcite vein. Lower contact is gradational over 1.5 m with an increase in carbonaceous matter down hole.
162.5	176.6	1			5B2	6 (5B23 : 10Q#) 80:15:05
						Dark to medium dark gray, generally non-calcareous moderately carbonaceous PS_2 foliated phyllite hosts 5-7% quartz-calcite and calcite veinlets, stringers and veins. Unit hosts trace-1% 3-4mm euhedral pyrite and trace-1% clotty Po associated with veins. Veinlets and stringers are irregular and are of variable orientations. Locally phyllite is moderately to strongly calcareous. Carbonaceous bands occur throughout and are common 2-15cm wide. Upper contact is gradational with carbonaceous matter increasing down hole. Lower contact is also gradational with carbonaceous matter decreasing down hole and calcite increasing down hole. Unit is slightly to moderately soft, moderately broken and has good recovery.

DDH 91DY-05

CURRAGH RESOURCES INC.

Lithologic Log

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Date: MAY '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	176.0	201.3			5BP	
						Medium to light gray, moderately to strongly calcareous, generally PS_2 foliated phyllite hosts 3-5% quartz-calcite veins on the cm & dm-scale which generally trend $//S_2$ with moderately irregular contacts. Unit hosts trace-1% P_y and rare clots of P_o. At 186.6 - 193.8 unit hosts 3-15% wisps of calcite and quartz-calcite which appear to be tension gashes generally trending @ 210/15 wrt S_2. Rock is slightly soft, slightly broken and has good recovery. Upper contact is gradational, lower contact is sharp and $//S_2$
	201.3	208.4			5B6	± → 62 (5BO: 10Q*) 80 : 15 : 5
						Medium to medium dark gray, non-calcareous phyllite is PS_2 foliated and hosts 10-15% 0.5-3cm rarely upto 20cm of moderately calcareous CS_2-foliated phyllite. Unit also supports 5-7% dm-scale quartz-calcite veins $//S_2$. Interval contains 1% 1-3mm subhedral pyrite grains and rare clots of P_o. Rock is slightly soft, moderately broken and has good recovery. Non-calcareous portions of interval contain a weak to very weak carbonaceous content. Upper and lower contacts are sharp and $//S_2$

DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	208.4	212.5			5B0162	
						Medium to slightly medium dark gray, weakly calcareous phyllite containing a very weak carbonaceous content. Unit is PS_2 foliated, slightly soft and contains 3% quartz-calcite veins, trace-1% Py and very rare P_3 clasts. Rock is moderately broken and has good recovery. Upper and lower contacts are sharp and $// S_2$
	212.5	219.2			5B02	
						Medium to moderately dark gray, moderately to weakly calcareous unit hosts a weak carbonaceous content. Unit is generally $CS_2 \rightarrow PS_2$ foliated. Rock is slightly soft, slightly to moderately broken and hosts trace Py and very rare euhedral P_3 grains replacing P_2. Upper contact and lower contacts are sharp and $// S_2$
	219.2	224.4			5B20	± → 500±2
						Medium to medium dark gray, weakly to moderately calcareous phyllite is generally CS_2 foliated and hosts a variable amount of carbonaceous material. Unit hosts trace-1% Py. Rock is slightly hard, slightly to moderately broken and has good recovery. Upper contact is sharp and $// S_2$. Lower contact is gradational over 1.5m with a reduction in carbon downhole.

DDH 91DY-05

CURRAGH RESOURCES INC.

Lithologic Log

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Date: MAY 91 Logged By: R. Zbeetnak

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	224.4	240.4			5B0	± →02
						Medium gray, moderately to strongly calcareous phyllite is CS_2 foliated and hosts trace - 1% Py and talc occurances at Po. Unit is very slightly carbonaceous at upper portion and becomes progressively less graphitic down hole. Unit is slightly silty, slightly to moderately broken and has good recovery. Upper contact is gradational with a carbon reduction down hole. Lower contact is gradational with a increase in very weak chloritic alteration down hole.
	240.4	248.2			5B0	→08 (5E0) 97:03
						Medium gray to very slightly gray/oil green, moderately to strongly calcareous CS_2 & PS_2 foliated phyllite is generally very slightly chloritic. Unit hosts 2-3% 0.3-1.0 cm bands of 5E0 (marble) tracing both S_1 and S_2. (±) well healed 0.3-0.5 cm sheers at very low angle to core axis are sporadic. Upper and lower contacts are gradational with a gain in very weak chloritic alteration inwards. Lower contact is also gradational (over 5cm) with an increase in carbonaceous matter down hole.

DDH 91DX-05

CURRAGH RESOURCES INC.
Lithologic Log

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Date: MAY '91 Logged By: J. Sinclair

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	248.2	254.0			5BDZ	± → 08
						Medium locally slightly medium dark gray, moderately calcareous CS and PS related phyllite is slightly carbonaceous and sporadically weakly to very weakly chloritized. Unit hosts 0-trace Py. Rock is slightly soft, moderately broken, rarely strongly broken and has good recovery throughout. Upper contact is gradational. Lower contact is fairly sharp and // S_2
	254.0	261.0			5BO	(5BZ) 60:40
						Medium light gray and dark gray interval is moderately to strongly calcareous and locally carbonaceous. Carbonaceous content varies from nil to moderate and occurs in 0.2-25cm bands with sharp contacts // S_2. Unit commonly hosts low angle shears and healed brecciated bands. Shears trend 290/30° and breccia band trends 120/10° - all are S_2. Rock is slightly soft, generally slightly broken and has good recovery. Upper contacts are sharp and // S_2
	261.0	262.8			1DQ	# (5B4 ± 8) 80:20
						White - calcite - bearing quartz vein is locally medium to light gray, irregular and contains very fine grained disseminated clots of $P_o \pm P_y$ and possibly Asp$_y$. Vn also

DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J McDonald

Code	From	To	Recov.	No.	Unit	Description
						contain 2-5 mm strongly chloritized clasts also with sulphide associations. 5-15cm blocks of phyllite are non-calcareous, medium dark bluish gray and soft. Phyllite hosts coarse clasts of Ps and Py. Unit looks like it wishes an Au analysis. Unit is slightly broken and has good recovery. Upper and lower contacts are sharp, slightly irregular but generally trendy // S_2
	262.2	264.8			5B07	
						Medium to medium dark gray moderately calcareous phyllite is slightly carbonaceous and is P_2 foliated. Scattered clasts of Ps & Py are sporadic. Rock is slightly to moderately soft, moderately broken and has good recovery. Upper contact is sharp and generally trends // S_2. Lower contact is gradational.
	264.3	265.5			5B04.1	
						Medium green/locally slightly greenish gray, moderately calcareous phyllite is generally weakly silicified and sporadically weakly chloritized. Silicification increases down hole. Rock is slightly to moderately hard, moderately broken and has good

DDH 91Y-05

CURRAGH RESOURCES INC.

Lithologic Log

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Date: MAY 91 Logged By: J. Duff

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						recovery. Upper contact is gradational. Lower contact is marked by diorite dyke is very sharp and trends 330/86 wrt S_2 - Contact is slightly irregular
	265.5	267.3			IDE	278 #
						Medium grayish ± green weakly calcareous diorite dyke hosts 5-7% feldspar, trace - 1% amphibole, trace - 1% biotite and 0-trace qtz phenocrysts. Rock is hard & slightly broken - Upper contact is sharp, lower contact is gradational.
	267.3	288.2			IDE	2 ± # ±9 (10Q # $ @ ¹Py) trace
						Butt, generally weakly calcareous diorite hosts 2-3% feldspar and 3-5% qtz phenos. Unit is sporadically strongly broken with fractures at low angles to C.A
	288.2	292.3			IDE	± crushed
						As above but very strongly broken locally crushed. Fractures are dominantly at low angles to C.A.

DDH 91DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: MAY '91 Logged By: J. Zsedenyi

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	292.3	294.8			IDE	FAULT (10Q P_y) +1ore Diorite is non-calcareous and supports a very low angle to C.A. fault with gouge on irregular fractures. Lower ½ of interval hosts phyllite gouge. Recovery is fairly good. A branching quartz-pyrite vein system on the cm scale traces fracture orientation and occurs at the upper contact. Lower contact is sharp and trends 30° w/r C.A.
	294.8	298.7			SD6$	± 2 ±crushed (SD6$) 70:30 Medium to medium dark, moderately dolomitic phyllite is locally very strongly to crushed. Interval hosts 30% dolomitic SD in 30cm - 1.5m bands. Rock is slightly to moderately salt with phyllite commonly hosting a variable amount of carbonaceous matter. No occurance of carbonaceous matter exceeds a moderate influence. Upper contact is sharp and trends 30° w/r C.A. Lower contact is gradational over 15cm with an increase in calcite down hole.

DDH 91DX-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	298.7	320.2			5BP	±02 (5DD: 10Q8±@$) 73:25:02 Medium locally medium dark moderately to strongly calcareous generally PS_2 foliated phyllite hosts 20-25% calcareous 5DD in 0.5-60cm bands. Phyllite hosts a variable amount of carbonaceous matter that varies from nil to slight. Unit also hosts 0-3% cm & dm-scale quartz-calcite ± dolomite ± ankerite veins. Upper and lower contacts are gradational
	320.2	321.8			5BQ	Medium gray non-calcareous PS_2 foliated phyllite is slightly silty, moderately broken and contains gradational upper and lower contacts
	321.8	322.5			15BD	Medium gray, moderately calcareous phyllite is CS_2-foliated moderately broken and has gradational upper and lower contacts.

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	322.5	323.8			SBBP	± FAULT.
						Medium gray, non-calcareous weakly dolomitic unit hosts a fault with sharp contacts at 338.3 - 338.5. FAULT upper and lower contacts vary; upper @ 285/18 and lower @ 067/25 wrt S_2. FAULT consists of gouge and crushed rock. Rock above and below fault is moderately broken // S_2. Upper and lower contacts are gradational.
	323.8	359.5			SBBP	± → 5FO (5DO) 70:30
						Medium gray moderately to weakly calcareous phyllite is commonly CS_2 foliated / locally PS_2. Interval hosts 30-35% 5DO in dm-scale bands, rarely upto 40cm. Isolated occurrences (359.3) of cm scale 5DO bands define S_2, commonly bands are // S_2 and sharp. Phyllite is sporadically weakly chloritic and tends to 5FO. Rocks are slightly soft, generally moderately to slightly broken but is moderately to strongly broken from 354.1 - 355.7 with minor gouge @ 354.2. Upper contact is gradational, lower contact is fairly sharp with a marked increase in calcite and 5DO less common.

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: F. Zbednik

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	359.5	369.2			5BO	± → 08 Medium to light gray locally very slightly greyish green, strongly to moderately calcareous phyllite is locally very slightly chloritic. Unit is generally $BS_2 \rightarrow CS_2$ foliated is moderately locally strongly broken and has good recovery. Upper and lower contacts are marked by 5DO with margins $// S_2$
	369.2	372.0			5BO	(5DO) 85:15 Medium to light gray, moderately to strongly calcareous CS_2 foliated phyllite hosts 15% cm & dm scale 5DO bands $// S_2$. Rock is slightly soft, moderately to slightly broken and has good recovery. Upper and lower contacts are sharp and $// S_2$
	372.0	373.9			5BO	± → 02 (5DO) 90:10 Medium gray sporadically medium dark gray, strongly to moderately calcareous phyllite hosts 10% cm → dm scale 5DO bands $// S_2$ Phyllite is sporadically slightly carbonaceous. Rocks are slightly soft, moderately broken and has good recovery. Upper and lower contacts are sharp and $// S_2$

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: I. Zbicki

From	To	Recov.	No.	Unit	Description
373.9	374.7			5A06	(5D0) 98:02
					Very dark gray to black, very weakly to non-calcareous, highly carbonaceous phyllite is strongly broken and contains moderate to weak gouge coatings on fracture surfaces. Unit is slightly silt and hosts a 0.5cm band of 5D0 at lower contact. Recovery is fair. Upper contact is sharp at // S_2 lower contact is also sharp but trends @ 025/25 wrt S_2 and is marked by a well healed micro slip.
374.7	381.3			5B01	(5A0 > 5D0) 90:05:05
					Medium gray strongly calcareous phyllite, is moderately broken $PS_y \rightarrow CS_y$ foliated and host unit 5A0 at 378.8 - 379.3. 5A0 is strongly broken and contains minor gouge. Intermixed with phyllites are cm-dm scale bands of 5D0 // S_2. Upper and lower contacts are sharp. Upper contact trends @ 025/25 wrt S_y and lower contact is // S_2
381.3	402.8			5B04	BIOTITE
					Medium gray strongly calcareous throughout, CS_y foliated phyllite is generally weakly altered to fine grained biotite with obscures CS_y fabric. Biotitic alteration increases slightly down hole. Unit is slightly silt and is strongly broken // S_2 to 391.0 m. Gouge is sporadic and upto 2.0cm wide

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: I. Scedutt

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						strongly broken interval. Below 391.0 unit is slightly broken. Upper and lower contacts are sharp. Upper contact trends $//S_2$, lower contact is marked by a 3mm gouge band trending @ 120/50° wrt S_2
	402.8	403.6			5B6	$ ± #
						Medium gray, weakly dolomitic, $CS_2 \rightarrow PS_2$ foliated phyllite hosts 2-3% irregular calcite veinlets. Rock is slightly soft. Rock is slightly broken. Upper contact is sharp and marked by a 3mm gouge band trending @ 120/50° wrt S_2. Lower contact is gradational with an increase in calcite down hole.
	403.6	428.3			5B0.H	BIOTITE
						Medium gray, strongly calcareous, faintly CS_2 foliated phyllite is generally slightly broken but 30 - 150cm sections are strongly broken. Gouge is rare and does not exceed 2cm in width. CS_2 fabric is obscured by a weak to moderate fine grained biotite alteration. Biotitization increases in intensity down hole. Recovery is good. Rock is slightly soft to slightly hard - no silicification is noted. Upper contact is gradational, lower contact is sharp and $// S_2$

DDH 91-11-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	428.6	428.3			5BØ	
						Light to medium grey phyllite with off-white quartz-calcite laminae/beds following S_0, S_1/S_2. Moderately calcareous, CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Minor healed oligomict clast-supported breccia at at 428.Ø-428.1. Very good core recovery. Good RQD. upper contact - Gradational lower contact parallel S_2 Quartz-carbonate elongate en-echelon lenses at CA3Ø° are possible extensional gashes.
L	428.3	428.9			5FØ	
						Olive greenish grey weakly chloritic phyllite with off-white quartz-calcite siltstone laminae following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive silvery grey fracture surfaces. Moderately soft. No sulphides. Chloritic-clayey fault gouge at lower contact (428.8-428.9) at CA15°. Good core recovery. Poor RQD. Gradational upper, lower contacts parallel S_2.
L	428.9	430.8			5BØ	(10Ø#) 96:Ø4
						Light to medium grey phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite within laminae/beds as m.g. euhedral cubic pseudomorphs after pyrite. Very good core recovery. Good RQD. Minor healed fracture at 429.5-429.6. Gradational upper, lower contacts parallel S_2.
						White bull-quartz-calcite concordant bands (veins?) subparallelling S_2 are very calcareous, hard and have sharp contacts with 5BØ.
L	430.8	431.7			5B4	(5B4 → 4LØ) 7Ø:3Ø
						Yellowish-green grey weakly seriate-chlorite altered phyllite with off-white quartz-

DDH 91L1-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb.22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcite stringers/laminae/beds following S_1, $S_2//S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Yellowish silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Gradational upper contact parallel S_2. Sharp undulose lower contact at CA 50°-90°.
						More strongly yellowish green (sericite-chlorite altered) phyllite at 430.8-431.2, is moderately calcareous, moderately soft, and has gradational contact with 3B4 parallel S_2.
L	431.17	432.1			4C0	&7
						Pyritic quartzite contains 50% quartz, 25% pyrite, 25% calcite. Very strongly calcareous. PS_2 foliated to massive. Grey, brassy yellow fracture surfaces. Hard. Brassy yellow m.g. euhedral cubic pyrite within bands (1mm-2cm. wide) parallel S_2. Bronze brown f.g. (subhedral-cubic pseudomorphs?) pyrrhotite within laminae parallel S_2. Off-white calcite as laminae, bands parallel S_2 and disseminated throughout. Very good core recovery, RQD. Sharp undulose upper contact at CA 50°-90°. Sharp lower contact at CA 75°.
L	432.1	433.0			5C4	(10&#: 5D4→4L0) 55:35:10
						Yellowish-green grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene) phenocrysts within relict porphyritic igneous texture. Moderately calcareous. PS_2 foliated to massive. Yellowish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 75°. Sharp lower contact at CA 80°.
						White-grey bull quartz-calcite has invaded 5C4 at 432.4, 432.5 and 432.65-433.0. Sub-unit is very calcareous, hard and has sharp contacts with 5C4.
						Greyish olive green, chloritic phyllite at 432.45-432.55 is moderately calcareous, moderately soft and has sharp undulose contacts with 5C4.

DDH 91-04-05 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	433.30	433.37			5B4	21(5D4 & 1 → 4LØ) 55:45
						Yellowish-green grey sericite-chlorite±quartz altered phyllite with offwhite quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. PS_2 and CS_2 foliated. Yellowish silvery grey fracture surfaces. Moderately soft. Contains pyrrhotite ± magnetite bands (8cm wide) parallel S_2 at 433.Ø-433.Ø5, 433.3. Possible leathery light brown v.f.g. honey sphalerite present at 433.45 with pyrrhotite. Very good core recovery. Good to very good RQD. Sharp upper contact at CA 8Ø°. Sharp lower contact at CA 75°.
L	433.37	433.43			4EØ	(4CØ) 6Ø:4Ø
						Pyritic massive sulphide containing 65% pyrite, 25% quartz, 10% calcite. Moderately calcareous. Massive to PS_2 foliated. Grey and brassy yellow fracture surfaces. Hard. Brassy yellow f.g.-v.f.g. (euhedral-cubic?) pyrite as masses and bands (2-4cm. wide) parallel S_2. Quartz-calcite bands (1-2cm. wides) and elongate pods (≥ 3cm. long) parallel S_2. Very good core recovery, RQD. Sharp upper contact at CA 75°. Sharp lower contact at CA 8Ø°.
						Pyritic quartzite at 433.7-433.9 contains 4Ø% quartz, 3Ø% pyrite and 3Ø% calcite. Very calcareous. BS_2CS_2 foliated. Grey, brassy yellow fracture surfaces. Hard. Brassy yellow f.g.-v.f.g (euhedral-cubic) pyrite as bands (2-6cm.) parallel S_2. Quartz-calcite bands (1-3cm. wide) parallel S_1, S_2.
L	433.43	433.47			5C4	(1ØQ#) 7Ø:3Ø
						Medium yellowish-olive greenish grey v.f.g. aphanitic (metabasaltic?) groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene) phenocrysts within relict porphyritic igneous texture. Slightly PS_2 overprinted by offwhite

DDH 91DY-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 22/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						quartz-calcite laminae and dark grey chloritic laminae. Moderately to very calcareous. Massive to PS_2 foliated. Olive grey fracture surfaces. Moderately soft, due to weak sericite-chlorite alteration. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 40°.
L	4347	4369			5B4	&1 → 4LØ &1
						Yellowish-green grey sericite-chlorite±quartz altered phyllite with off-white quartz-calcite and olive chloritic laminae/beds following S_1, S_2/S_2, and quartz-calcite veinlets at all CA angles (following L_3, L_4, L_5?). Moderately to strongly calcareous. CS_2 and PS_2 foliated. Yellowish-green-grey fracture surfaces (sericitic-chloritic). Moderately soft to moderately hard (where silicified). Trace pyrrhotite within bands, laminae, veinlets as m-g. euhedral cubic pseudomorphs after pyrite. Minor healed oligomict clast-supported breccia at 435.3-435.4. Very good core recovery, RQD. Sharp upper contact at CA 40°. Sharp lower contact at CA 80°. More silicified near lower contact.
L	4369	4377			5G4	&1 (5F4)
						Medium yellowish olive green v.f.g. aphanitic metabasitic groundmass, white f.g. euhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weakly overprinted by olive-grey chloritic bands, laminae parallel S_2. Moderately to very calcareous. Massive to PS_2 foliated. Yellow-green-grey fracture surfaces. Moderately soft (weak sericite-chlorite alteration) to moderately hard (where weakly silicified). Very good core recovery, RQD. Sharp upper, lower contacts at CA 80°. Chill margins near upper, lower contacts.
						Yellowish-greenish sericite-chlorite altered phyllite with offwhite quartz

DDH 91-V-1-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb.22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcite laminae/beds following S_1/S_2 occurs at 437.3-437.6. Moderately to very calcareous. CS_2 and PS_2 foliated. Yellowish olive-grey fracture surfaces. Moderately soft. No sulphides. Gradational contacts with 5C4.
L	437	440	6		4G84	&71 → 4EC84 &71 (4LØ) 98:Ø2
						Magnetite-bearing barite massive sulphide containing 5Ø% pyrite, 15% quartz, 1Ø% calcite, 1Ø% barite, 8% magnetite, 4% sphalerite, 3% pyrrhotite, trace chalcopyrite and trace galena. Moderately calcareous. Massive to PS_2 foliated to CS_2 foliated. Brassy yellow-grey fracture surfaces. Hard. Heavy, dense.
						Brassy-yellow f.g.-v.f.g. (euhedral-cubic?) pyrite as masses, bands (Ø.5-2.Ø cm. wide) parallel S_2, and laminae following S_1. Off-white, soft, very calcareous calcite as large and small clots (Ø.5-4.Ø cm. dia.) at 438.Ø-439.4, 44Ø.2-44Ø.5 and as laminae parallel S_2. Purplish red-brown f.g. (subhedral?) sphalerite as laminae parallel S_2, notably at 439.8-44Ø.5. White, f.g., non-calcareous dense barite (rarely seen) as disseminations. Black f.g. (subhedral-euhedral?) strongly magnetic magnetite as patches (1-1Ø mm dia.) and bands (1-15 mm wide) following S_1, and veinlets crosscutting S_1 & S_2. Bronze brown f.g. (subhedral?) pyrrhotite as masses and bands parallel S_2 at 44Ø.3-44Ø.6, &c. Rare traces of chalcopyrite near 44Ø.Ø, etc., as yellow f.g. subhedral crystals (disseminated). Rare traces of grey f.g. (euhedral-cubic?) galena as disseminations. At 439.8-439.9, appears like 4D4.
						Very good core recovery, RQD. Sharp upper, lower contacts at C18Ø°.
						Yellowish olive-grey sericite-chlorite altered phyllite at 44Ø.45-44Ø.55 is moderately calcareous, PS_2 foliated, moderately soft and has fairly sharp contacts with 4684 &71 → 4EC84 &71 parallel S_2.

C.D.I. 1987 F-74

DDH 91V1-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	4406	4410			5C4,$	&1
						Yellow-green-grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weakly calcareous. Massive, PS_2 foliated and CS_2 foliated. Yellow-green-grey fracture surfaces. Moderately soft to moderately hard (where silicified). Cross-cut by off-white quartz-dolomite veinlet at CA40°. Overprinted by olive chloritic bands parallel S_2. Very good core recovery, RQD. Sharp upper contact at CA80°. Sharp upper, lower contacts at CA80°.
L	4410	4424			5C4	&$ → 4LØ&$ (5C14 → 4L1 : 4H3*: 1ØQ$) 5Ø:3Ø:15:Ø5
						Yellow-green-grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weakly calcareous. Massive to PS_2 foliated. Yellow-green-grey fracture surfaces. Moderately soft (sericite-chlorite alteration). No sulphides. Strongly overprinted by olive chloritic and off-white quartz-dolomite laminae, bands parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA50° marked by healed oligomict clast-supported breccia. Dolomite bands, laminae at 441.6-442.1 follow S_1, S_2.
						Silicified variant at 442.1-442.4 near lower contact is similar to above unit, but slightly harder. Has gradational upper contact with 5C4$. Vuggy at 442.1-442.2.
						Bronze-brown/brassy yellow pyrrhotite/pyrite massive sulphide unit (band?) occurring at 441.Ø-441.4 is moderately calcareous, weakly magnetic, hard and has sharp lower contact with 5C4,&$ → 4LØ&$ at CA9Ø°. Contains 35% pyrite, 45% pyrrhotite.
						White-grey quartz-dolomite concordant band (vein?) at 441.2-441.3 is weakly calcareous, hard and has sharp contacts with 4HØ, 5C4&$ → 4LØ&$

C.D.I. 1987 F-7A

DDH 91-41-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb.22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	442.4	443.5			4E78	
						Pyrite-pyrrhotite massive sulphide contains 60% pyrite, 30% pyrrhotite, 7% quartz-dolomite, 2% magnetite, 1% sphalerite? Weakly calcareous. Massive to PS_2 foliated. Black-grey-olive-brassy yellow-bronze brown fracture surfaces. Hard. Healed oligomict matrix-supported breccia at upper contact and low CA angle at 442.4-443.4, with zoned chloritic fracture at CA0°-5° (black Fe-chlorite? core, olive green Mg-chlorite or off-white dolomite selvage). Moderately to strongly magnetic.
						Brassy yellow f.g.-v.f.g. (euhedral-cubic?) pyrite as masses and bands parallel S_2. Bronze-brown f.g.-v.f.g. (subhedral?) pyrrhotite and bands parallel S_2 and masses. Off-white f.g.-f.g. anhedral quartz-dolomite as fracture fillings and breccia matrix (442.4-443.4) and laminae, bands parallel S_2 (443.4-443.5). Black v.f.g. (magnetic) magnetite as patches and laminae. Brown-red v.f.g. sphalerite and rare yellow f.g. chalcopyrite as laminae parallel S_2.
						Good core recovery, RQD. Fairly blocky along fracture at CA0°-5° (442.4-443.4). Sharp upper (brecciated) contact at CA50°. Sharp lower contact at CA70°.
L	443.5	446.1			5C46	→4LØ (5C8461:5F46) 50:45:05
						Beige-tan (yellowish) quartz-sericite altered v.f.g. aphanitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole?) phenocrysts, within relict porphyritic igneous texture. Weak off-white quartz-dolomite laminae, band overprint along S_2. Groundmass may contain subequal amounts of plagioclase and K-spar. Weakly calcareous. Massive to PS_2 foliated. Beige-tan-yellowish grey fracture surfaces. Moderately soft (softer, due to alteration). No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA70°. Sharp lower contact

DDH 91-VI-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						at CA80°. Clayey fault gouge at 444.2-444.4 at CA35°.
						Pervasively chloritized-sericitized v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Interbanded with white-grey bull quartz-calcite bands (parallel to S_2). Moderately calcareous. PS_2 foliated to massive. Yellow-grey ± ochre (limonite) fracture surfaces. Alternately moderately soft, hard (bands). Occurs at 445.1-446.1.
						Trace f.g. laminae (bands)-related pyrrhotite as m.g. euhedral calcite pseudomorphs.
						Yellow-green sericitic-chloritic phyllite with off-white quartz-dolomite siltstone laminae/beds parallel S_2 at 444.7-444.8 is weakly calcareous, PS_2 foliated, moderately soft to soft. No sulphides. Fairly sharp contacts with 5CA6 parallel S_2.
L	446 1	447 9			5CØ7	
						Medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weak olive-grey chloritic laminae S_2 overprint. Moderately to strongly calcareous. Massive to weakly PS_2 foliated. Grey fracture surfaces. Moderately soft. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA8Ø°.
L	447 9	448 7			5FØ7	
						Medium olive grey weakly chloritic phyllite with off-white quartz-calcite laminae/beds following S_1, S_2 / S_2. Moderately to strongly calcareous. CS_2 and PS_2 foliated. Olive-grey to silvery grey fracture surfaces. Moderately soft. Trace pyrrhotite along laminae parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA8Ø°. Sharp lower contact at CA7Ø°.

DDH 91UY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	4487	4492			5C07	
						Weakly chlorite-banded metabasite unit, as above. Moderately to strongly calcareous. PS_2 foliated. Grey fracture surfaces. Moderately soft. Trace pyrrhotite along laminae parallel S_2 as subhedral cubic pseudomorphs. Very good core recovery. Good RQD. Sharp upper contact at CA70°. Sharp lower contact at CA80°.
L	4492	4513			5C6784 (5F67) 95:05	
						Yellowish medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weak olive grey chloritic laminae S_2 overprint. Weakly calcareous. Massive to PS_2 foliated. Yellowish grey fracture surfaces. Moderately soft. Trace pyrrhotite along laminae parallel S_2 as m.g.e.g. euhedral cubic pseudomorphs after pyrite. Very good core recovery. Good RQD. Sharp upper (lower) contact at CA80°.
						Chloritic phyllite with siltstone laminae/beds following $S_1, S_2/S_2$ is weakly calcareous, CS_2 and PS_2 foliated, moderately soft and has fairly sharp contacts with 5C6784 parallel S_2.
L	4513	4524			5C7$	&1
						Medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Weakly overprinted by olive chloritic laminae parallel S_2. Clots and masses of grey-white quartz-dolomite. Silicified towards lower contact. Weakly calcareous. Massive to PS_2 foliated. Grey fracture surfaces. Moderately soft. No sulphides. Good core recovery. RQD. Sharp upper contact at CA80°. Conformable sharp lower contact at CA45°-90°.

C.R.I. 1987 F-3A

DDH 91V4-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	452.4	455.3			4K78	&64 (4EØ→46Ø) 95:Ø5 MAJOR HEALED BRECCIA
						Weakly mineralized CO_3-bearing pyritic massive sulphides with 3Ø% pyrite, 35% carbonate minerals (dolomite ± calcite ± ankerite), 2Ø% quartz, 8% magnetite, 5% pyrrhotite, 2% sphalerite, trace pyrite, weakly calcareous. Massive-chaotic (large angular subequant clasts of pyritic M.S. within major healed oligomict clast- to matrix-supported breccia. Qtz-carb matrix. Grey-white-brassy yellow fracture surfaces. Hard to moderately hard.
						Brassy yellow f.g.-v.f.g. (euhedral-cubic?) pyrite as masses, clasts, veinlet-fillings. Large to small angular subequant clasts (Ø.5–4.Øcm. dia.) of quartz-carbonate. Veinlets of quartz-carbonate at low CA angles. Black f.g. magnetite as patches and breccia matrix fillings (veinlets). Bronze-brown f.g. magnetic pyrrhotite as masses, patches and laminae following S_1, S_2. Red-brown v.f.g. (subhedral?) sphalerite as patches and along laminae following S_1, S_2. Possibly honey (blonde) sphalerite at 452.6 (has yellowish-brown core with reddish-brown alteration rim and lethery texture—if greener, could be mistaken for Mg-chlorite.
						Very good core recovery, RQD. Convolute sharp upper contact at CA 45°-9Ø°. Sharp lower contact at CA 4Ø°.
						Pyritic massive sulphide at 453.4-453.7 contains 65% pyrite, 2Ø% quartz, 8% barite, 7% dolomite and is weakly baritic (heavy, dense, off-white non-calcareous disseminations and patches). Weakly calcareous. Massive. Hard. Dense, heavy. Sharp contacts with 4K78 & 64 at CA 8Ø°, CA 3Ø° (upper, lower; respectively).
L	455.3	457.7			4KØ$&@ (4KØ#: 4CEØ)	45:4Ø:15 HEALED & OPEN BRECCIA
						Barren carbonate-bearing pyritic massive sulphide contains 4Ø% pyrite, 4Ø% carbonate (dolomite ± ankerite ± calcite), 15% quartz, 5% pyrrhotite. Weakly calcareous. Massive to F_2 foliated. Grey-white-brassy yellow fracture surfaces. Moderately hard.

DDH 91-01-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Brassy yellow f.g.-v.f.g. (euhedral-cubic) pyrite as masses and bands parallel S_2. Large subangular-equant to elongate clasts of pyrite massive sulphide and quartz-carbonate (difficult to discern which is matrix, which are clasts) within major healed oligomict matrix. Bronze-brown pyrrhotite laminae parallel S_2.
						Very good core recovery. Good to fair RQD. Rubbly core at 455.3-455.7. Large open breccia (vugs ≤ 4cm. long; one can "see-through" core) filled by c.g. euhedral calcite at 455.7-456.0. Blocky to rubbly core at 456.3-456.5. Sharp upper contact at C.A 40°. Sharp lower contact at C.A 80°.
						Calcite-rich open to healed breccia, locally vuggy (see above), massive sulphide occurs near upper contact (455.3-456.5). Very calcareous. Massive-brecciated. Grey-white-brassy yellow fracture surfaces. Moderately hard to hard. Subangular-elongate quartz-calcite clasts are supported by pyritic matrix at 456.0-456.3. Gradational contacts with 4KØ parallel S_2.
						Pyritic quartzite/massive sulphide at 456.9-457.15 contains 45% pyrite, 45% quartz, 10% dolomite. Weakly calcareous. P_2 foliated to massive. Grey-white, brassy yellow fracture surfaces. Hard. Brassy yellow f.g.-v.f.g. (euhedral-cubic?) pyrite as bands (0.5-6.0 cm. wide) parallel S_2. Quartz-dolomite bands parallel S_2. Fairly sharp contacts with 4KØ parallel S_2.
L	457.7	459.0			416Ø	→ 4EØ (4K7:10BS) 65:30:05
						Weakly baritic, pyritic massive sulphide contains 60% pyrite, 20% quartz, 10% dolomite±ankerite, 10% barite. Weakly calcareous. Massive to P_2 foliated. Brassy yellow-grey-white fracture surfaces. Hard. Brassy yellow f.g.-v.f.g. (euhedral-cubic?) pyrite as masses and bands (2-5cm. wide) parallel S_2. Off-white to orangy-brown tint f.g. dolomite±ankerite as bands parallel S_2 and clots. White f.g. non-calcareous soft,

DDH 91D-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 23/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						dense (heavy) barite occurs as fine disseminations throughout. Core is dense, heavy. Very good core recovery. Good RQD. Sharp upper, lower contacts at CA 80°.
						Carbonate (dolomite ± ankerite)-rich massive sulphide contains 40% carbonate, 30% quartz, 20% pyrite, 10% pyrrhotite and occurs at 458.1–458.4. Sub-unit is weakly calcareous, hard, weakly magnetic, and has sharp contacts with 46° → 40° parallel S_2. Ankerite at 458.1 is orangey-brown-cream coloured, soft and very weakly calcareous.
						Grey/white bull quartz-dolomite concordant bands (veins/veinlets) at 458.9 are weakly calcareous, hard and have sharp contacts with 46°. Near lower contact.
L	459.0	461.6			ALO	&1 (4EC4) 80:20
						Yellowish-green-grey sericite-chlorite ± quartz altered phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. PS_2 and CS_2 foliated. Yellow-green-silvery grey fracture surfaces. Moderately soft to moderately hard (where silicified). No sulphides. Minor healed oligomict clast-supported breccias at 459.2-459.4, 460.5-461.2; the latter exhibiting slight polymict nature (5C46 clasts, as well as 42 clasts).
						Very good core recovery. Good RQD. Blocky core at 459.0-459.1, 460.8-461.3. Sharp upper, lower contacts at CA 80°.
						Sphalerite-bearing pyritic quartzite/massive sulphide at 461.2-461.8 contains 50% pyrite, 20% quartz, 20% carbonates, 5% sphalerite, 4% magnetite, 1% chalcopyrite. Weakly calcareous. Massive to PS_2 foliated. Grey, brassy yellow fracture surfaces. Hard. Brassy yellow f.g.-v.f.g. pyrite as masses and bands (parallel S_2). Yellowish off-white carbonates (dolomite ± ankerite)

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 23/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						as clasts or clots (Ø.5-4Ø cm. dia.). Purplish red-brown f.g. sphalerite at 461.2-461.3 as bands (5-10 mm wide) parallel S_2. Yellowish-brown band at 461.1 parallel S_2 may be honey sphalerite. Fairly sharp contact with 4LØ&1 parallel S_2.
L	4616	4645			4E486 → 4648	(4648 → 4E486) 6Ø:4Ø
						Weakly baritic pyritic massive sulphide contains 6Ø% pyrite, 1Ø% quartz, 8% ddolomite, 8% barite, 7% magnetite, 3% pyrrhotite, 2% sphalerite, 2% chalcopyrite. Weakly calcareous. Massive, PS_2 foliated, and (locally) CS_2 foliated. Brassy yellow-grey-white-black fracture surfaces. Hard. Fairly heavy, dense. Trace galena. Limonitic fractures.
						Brassy yellow f.g.-v.f.g. pyrite as masses and bands (following S_1, S_2). Off white f.g. weakly calcareous dolomite as clots (1-3 cm. dia.) and laminae following S_1, S_2). Black f.g. (strongly magnetic) magnetite as patches, laminae/bands following S_1/S_2. Bronze-brown f.g. (fairly magnetic) pyrrhotite as patches and laminae (following S_1, S_2). Red-brown f.g. sphalerite as laminae following S_1, S_2. Yellow m.g. (euhedral-tetragonal) chalcopyrite along laminae following S_1, S_2. Purplish-grey m.g.-f.g. (euhedral-cubic) galena along laminae following S_1, S_2. White f.g. soft, non-calcareous barite as fine disseminations.
						Very good core recovery, Good to very good RQD. Sharp upper, lower contacts at CA8Ø°.
						More baritic sub-unit contains 6Ø% pyrite, 1Ø% quartz, 1Ø% barite, 7% magnetite, 6% dolomite, 3% pyrrhotite, 2% sphalerite, 2% chalcopyrite, trace galena. Mineral occurrence modes, structure, texture and geotechnical properties are similar to main unit. Gradational contacts with main unit. Heavier, denser.

DDH 91L-05 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 23/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	4645	4654			4CE8	4 Pyritic quartzite/massive sulphide contains 45% pyrite, 35% quartz, 10% dolomite, 6% magnetite, 2% pyrrhotite, 2% sphalerite, trace chalcopyrite. Weakly calcareous. PS_2 foliated. Grey-brassy yellow-black fracture surfaces. Hard. Brassy yellow f.g. pyrite as euhedral cubes within masses and along laminae/bands following S_1, S_2. Quartz-dolomite clots and laminae parallel S_2. Black f.g. magnetite as laminae parallel S_2. Bronze brown pyrrhotite (amagnetic) and red-brown sphalerite are f.g. and occur as laminae parallel S_2. Trace yellow m.g.-f.g. chalcopyrite as laminae-fillings. Very good core recovery, RQD. Sharp upper contact at CA8Ø°. Sharp lower contact at CA6Ø°.
L	4654	4664			5B4	& 16 Light to medium grey phyllite with slight yellow-green (sericite-chlorite alteration) tint and off-white quartz-calcite ± dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous at 465.4-465.6; moderately to strongly calcareous at 465.6-466.4. CS_2 and PS_2 foliated. Yellowish silvery grey fracture surfaces. Moderately soft to moderately hard (where silicified). Very good core recovery. Good RQD. Sharp upper contact at CA6Ø°. Gradational lower contact parallel S_2.
L	4664	4691			5BØ	(5B4:5BØ2) 8Ø:1Ø:1Ø Light to medium grey phyllite with occasional yellowish (sericitic) tint and off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$. Moderately calcareous

CRL 1987 E-3A

DDH 91LV-05 (2 8) 469.1

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 22/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Gradational contacts parallel S_2. Yellowish (sericitized) phyllite with siltstone laminae, CS_2 foliation occurs at 466.8-467.1. Moderately calcareous. CS_2 foliated. Moderately soft. Silvery grey fracture surfaces. Gradational contacts with 5BØ parallel S_2. Weakly carbonaceous (dark grey) phyllite interbeds occur throughout this unit. Moderately calcareous. Dark silvery grey fracture surfaces. CS_2, PS_2 foliated. Moderately soft to soft. Gradational contacts with 5BØ.
L	4691	4694			5EØ	(5BØ) 55:45
						Blue-grey marbly phyllite to marble is very calcareous (qwickly etched by 10% HCl acid), CS_2 foliated, has bluish grey fracture surfaces, moderately soft, and has fairly sharp contacts with 5BØ parallel S_2. No sulphides. Very good core recovery. Good RQD.
						Light to medium grey phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2 // CS_2 and PS_2 foliated. Moderately calcareous. Silvery grey fracture surfaces. Moderately soft. Occurs at 469.1-469.2 469.35.
	469.4	478.1			5BQ	± $ ± BIOTITE (5EO) 85:15
						Medium gray, strongly to intensely calcareous, PS, foliated interval is slightly soft, slightly broken and has good recovery. 5EO is bluish gray when wet and occurs as 2-3mm wisps scattered throughout

DDH 91DY-05

CURRAGH R. JURCES INC.

Lithologic Log

Date: MAY '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Unit hosts ankerite veining @ 472.1 - 472.4. Upper and lower contacts are sharp and // S_2. Unit is weakly altered to fine grained biotite
478.1	484.9				5B02	→ 5B23 (5B6@$) 97:03
						Medium dark gray, moderately to strongly calcareous slightly to moderately carbonaceous PS_2 foliated argillite hosts 0-trace clotty Po. Interval is non-calcareous and hosts 2-3% dolerite and ankerite veinlets @ 478.9-479.2. Interval is moderately to locally strongly broken. Recovery is good. Upper and lower contacts are sharp and // S_2
484.9	487.1				5D04	BIOTITE → 5B04 → 5F04
						Medium greenish-gray, weakly calcareous unit is PS_2 foliated and weakly altered to fine grained biotite. Unit is not typical 5D0 with faint hints of S_1 common. Unit is slightly hard non-silicified, slightly broken and has good recovery. Upper and lower contacts are sharp and parallel S_2.

CRI 1987 F-7A

DDH 91DY-05

CURRAGH R[illegible]OURCES INC.

Lithologic Log

Date: MAY '91 Logged By: D. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	487.1	489.0			5BD4	± → 08 ± BIOTITE (5D0 : 5D0) 98 : 02 : trace
						Medium gray slight greenish-gray, moderately to strongly calcareous phyllite is very slightly chloritic. Unit hosts 2-3% marble wisps and bands typically 2-3mm wide, rarely upto 3cm. Rock is slightly soft to slightly hard, slightly broken and has good recovery. Upper contact is sharp and // S_2. Lower contact is crushed. Unit also hosts trace - 1% 5D0 wisps < 2mm thick // S_2. Unit is very slightly altered to fine grained biotite.
	489.0	489.7			5BD1	Crushed.
						Medium to light gray, moderately calcareous phyllite is crushed with minor gouge. No orientation of upper or lower contacts are available.
	489.7	494.9			5BD4	BIOTITE
						Medium gray, weakly to moderately calcareous, PS$_2$ foliated phyllite is slightly altered to fine grained biotite. Unit hosts 1% clotty B_0. Unit is slightly hard, slightly broken and contains sharp upper and lower contacts // S_2

DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J. Zecchin

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	494.9	497.6			5BO4	BIOTITE (5E0) 95:05
						Medium gray strongly calcareous $PS_2 \rightarrow CS_2$ foliated phyllite is weakly altered to fine grained biotite. Unit supports 3-5% marble wisps and bands from 2-5mm rarely upto 5cm wide. Rock is slightly hard to slightly soft, slightly broken and has good recovery. Upper and lower contacts are sharp and $// S_2$
	497.6	500.9			5BOH	BIOTITE (5D04) 50:50
						Medium gray, moderately calcareous PS_2 foliated phyllite is weakly altered to fine grained biotite. Unit hosts 3-60cm bands of 5D0 also hosting weak biotite alteration. Internal contacts are sharp, $// S_2$ and often display brittle brecciation and slight rotation. Breccia is well healed with calcite. Rocks are slightly hard rarely moderately hard are are NOT silicified. Upper contact is sharp and $// S_2$ Lower contact is gradational with a reduction in 5D0 occurances and also an increase in subhorizontal shear fabric.

DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: E. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	500.9	504.9			5BD	4 ±2 headed shear ± → 5A* (5B6 $: 5D0) 57:40:03
						Medium gray, locally moderately to weakly calcareous locally weakly to very weakly dolomitic unit hosts a fairly strong shear fabric trending at very high angles to core axis. Shear fabric hosts fragments of 5D0 and stretched clasts of quartz veins. All fragments are <2.0cm wide. Unit is rarely hosts carbonaceous matter in sufficient quantities to trend to 5B2 very rarely to 5A0. Unit bears a strong resemblance to 5A* but generally lacks sufficient carbon and is located higher up-hole than expected. Interval hosts graphitic gouge @ 504.7 - 504.8. Rock is slightly hard, moderately to slightly broken. Recovery is good. Shear fabric is gradational and increases towards center of interval. Upper and lower contacts are therefore gradational.
	504.9	595.6			5D0	(5A0) 98:02
						Medium olive green, moderately to weakly calcareous unit is fine grained textureless and is PS_2 foliated. Unit hosts 1-2% wisps and bands of 5A0 with sharp contacts $// S_2$. Rock is slightly soft, moderately broken and has good recovery. Upper contact is sharp with lithologies gradational with a loss of shear fabric from upper unit. Lower contact is sharp at $// S_2$.

DDH 91DY-05 (2 8)

CURRAGH R. JURCES INC.
Lithologic Log

Date: MAY '91 Logged By: J-Zbeetuk

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	505.6	511.3			5B26	±* → 5A6 (100$) 97:03
						Dark gray, generally non-calcareous, very rarely very weakly calcareous phyllite is moderately carbonaceous with S_2 surfaces NOT tarnishing fingers. Unit hosts 0-5% cm-scale quartz-dolomite veins // S_2. Rock is slightly soft, moderately to strongly broken and has good recovery. Upper contact is sharp and // S_2 lower contact is gradational.
	511.3	514.2			5B2	±3
						Dark to medium dark gray, very weakly calcareous, PS_2 foliated phyllite is moderately carbonaceous and is moderately permeable. Unit is strongly broken with very rare coatings of gouge on fracture surfaces. Upper contact is gradational with a slight increase in calcite down hole. Lower contact is sharp and marked by gouge trending @ 028/12 wrt S_2
	514.2	515.6			5B2	±$ Weak FAULT (100$*) 93:07
						Medium dark gray, non-calcareous phyllite is moderately broken and commonly hosts gouge bands ranging from coatings on fractures upto 15cm widths. Unit is locally slightly dolomitic and hosts 7-10% dm-scale quartz-dolomite ± calcite veins. Rock is slightly soft, moderately permeable and has good recovery.

DDH 91D1-05

CURRAGH R. JURCES INC.

Lithologic Log

Date: May '91 Logged By: J. Zbcdtf

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Upper contact is sharp at trends @ 028/12 wrt S_0. Lower contact is sharp and $\parallel S_2$.
	515.6	517.7			5B2	6
						Medium dark gray, non-calcareous, moderately to slightly carbonaceous PS_2 foliated phyllite is very weakly permeable. Rock is slightly soft, strongly broken and has good recovery. Upper contact is sharp and $\parallel S_2$. Lower contact is gradational over 30cm with carbon becoming more abundant down hole.
	517.7	522.0			5B21	±3 → 5A1
						Dark locally black, generally non-calcareous rarely very weakly calcareous, moderately graphitic phyllite is weakly to sporadically moderately silicified. Unit is commonly PS_2 locally CS_2 foliated and hosts 10-15% sloppy Po. Unit is strongly graphitic in mm-scale wisps $\parallel S_2$. Rock is moderately hard, moderately to slightly broken and has good recovery. Upper contact is gradational over 30cm. Lower contact is sharp, $\parallel S_2$ and marked by a 10cm crushed zone with traces of gouge.

DDH 91DY-05

CURRAGH R. JURCES INC.

Lithologic Log

Date: MAY '91 Logged By: [illegible] ZSeeloff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	522.0	530.0			5B23	±1 → 5A03±1
						Dark gray locally black, moderately to locally strongly calcareous phyllite is moderately carbonaceous and sporadically slightly to moderately silicified. Unit hosts 3-5% clotty Po and strongly carbonaceous wisps and bands on the mm & cm-scale are common. Unit is slightly hard moderately broken and has good recovery. Unit is strongly calcareous over lowest 1.0meter. Upper contact is sharp // S_2 and noted by a 10cm crushed zone. Lower contact is sharp, // S_2 and marked by a 25cm 5DO band.
	530.0	533.3			5A03	±1 → 5B23 ±1 (5DO±1) 80:20
						Dark gray locally black, moderately to strongly calcareous moderately to strongly graphitic phyllite hosts 20% dm and cm-scale 5DO bands. All units are sporadically weakly silicified. 5DO bands are typically // S_2 although an S_1 relationship exists with cm scale bands at 531.5. Unit hosts 3-5% clotty and finely disseminated Po. Rocks are moderately hard slightly broken and has good recovery. Upper and lower contacts are sharp, and // S_2 and mark the limits of 5DO.

C.R.I. 1987 F-7A

DDH 91D-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Feb 20/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	533.3	543.2			5A0	→5B2 (5A1) 80:20 Black to dark grey graphitic phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft to soft. 1-2% pyrrhotite as blebs within quartz pods (lenses) and selvages or fillings of quartz-calcite laminae, beds parallel S_2. Very good core recovery. Good to fair RQD. Blocky to rubbly core at 540.1-540.3, 542.8-543.0. Gradational upper contact parallel S_2. Gradational lower contact parallel S_2. Contains harder, possibly lighter-coloured weakly silicified variant.
L	543.2	543.7			5A6$	→5B26 (100#) 80:20 Black to dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft to soft. 2-3% pyrrhotite, as laminae following S_1, S_2. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Lower graphitic minor (3mm wide) fault gouge lower contact at CA60°. White bull quartz at 543.3-543.35 is concordant bud (vein?) parallel S_2. Sub-unit is moderately calcareous (calcite-bearing), hard, contains veinliths of 5A6, and has sharp contacts with 5A6 →5B26.
L	543.7	544.1			5A6$	#BRECCIATED-CHAOTIC (NOT 5A#!) Black to dark grey brecciated-chaotic (fault brecciated?) graphitic phyllite with off-white quartz-dolomite siltstone laminae, beds parallel S_2. Very weakly calcareous with moderately calcareous (calcite) clots. PS_2 foliated. Black graphitic fracture surfaces. Moderately soft. Healed minor oligomict clast-supported breccia with graphitic phyllite

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 20/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						angular-elongate clasts and interstitial quartz-dolomite veinlets (matrix) containing 1% pyrrhotite as m.g. subhedral crystals. Very good core recovery, RQD. Sharp minor graphitic fault gouge contact at CA 60°. Sharp lower contact at CA 65°.
L	5441	5443			4H8	STRONGLY MAGNETIC. subunit
						Pyrrhotitic massive sulphide (or wide pyrrhotite band within 5A6?) containing: 70% pyrrhotite, 10% quartz, 10% magnetite, 8% calcite, 2% pyrite. Weakly calcareous, overall. Massive to PS_2 foliated. Bronze-brown to black fracture surfaces. Hard.
						Bronze-brown f.g. (subhedral?) pyrrhotite as moderately magnetic masses. Black f.g. (subhedral to euhedral?) strongly magnetic magnetite as patches (clots) and disseminations. Off-white f.g. soft calcareous calcite-quartz clots (≤3cm long × 2cm wide).
						Very good core recovery. Fair RQD. Sharp upper contact at CA 65°; Sharp lower contact at CA 80°.
L	5443	5444			5A6	lump in
						Black to dark gray brecciated-chaotic graphitic phyllite with off-white quartz-dolomite siltstone laminae, beds parallel S_2. Weakly calcareous. PS_2 foliated. Moderately soft to soft. No sulphides within unit. Very good core recovery, Poor RQD. Sharp upper, lower contacts at CA 80°.
L	5444	5451			4D44	&8
						Sphalerite-rich (pyritic) massive sulphide containing 35% sphalerite, 35% pyrite, 15%

DDH 91DX-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 20/91 Logged By: D Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						quartz, 8% magnetite, 7% carbonates (dolomite+calcite). Moderately to weakly calcareous. Massive to PS_2 foliated. Brassy yellow-purplish-grey fracture surfaces. Hard. Weak CS_2 Purplish red-brown f.g. (subhedral?) sphalerite as masses and bands (1-5cm wide) parallel S_2. Brassy yellow f.g.-m.g. euhedral-cubic pyrite as masses and bands (2-8cm wide) parallel S_2. Black f.g. (subhedral-euhedral?) magnetic magnetite as patches and laminae parallel S_2. Off-white f.g. (anhedral?) dolomite, calcite as clots and laminae (1-3 mm. wide) following S_1, S_2. Trace purplish-grey euhedral-cubic galena at 544.9.
						Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Brecciated sharp lower contact at CA 80° with minor healed polymict breccia with angular-elongate clasts of 5A6, 4H Ø (pyrrhotite) ≤ 7cm. long.
L	544.5 1	548 Ø			5A6$ (4B4 or 5F6)	80:20.
						Black to dark grey graphitic phyllite with off-white ±ochre quartz-dolomite ±limonite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft. 1-2% pyrrhotite within quartz-dolomite bands, laminae parallel S_2 as m.g. (subhedral) crystals forming segregations. Very good core recovery. Fair to poor RQD. Blocky to "poker-chippy" at 545.8 - 546.5. Minor healed brecciated upper contact at CA 80°. Fairly sharp lower contact at CA 75°. Quartz-calcite veinlet network at 547.1 - 547.2.
						Interbands of yellowish-green/grey sericite-chlorite ± quartz altered phyllite with off-white quartz-dolomite siltstone(?) laminae parallel S_2. Weakly calcareous, moderately soft, PS_2-foliated sub-units occur at 547.7-547.9. Fairly sharp contacts with 5A6$ parallel S_2.
L	548 Ø	549 2			4A 1,1	→ 5A6$ (5F6) 85:15

DDH 91DY-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Ribbon-banded (sphalerite-rich) quartzite with ribbon-bands of quartz, sphalerite, carbonaceous material, and pyrite. Contains 40% quartz, 30% sphalerite, 15% carbonaceous material (graphite, etc.), 8% dolomite, 7% pyrite. Very weakly calcareous. CS_2 and PS_2 foliated. Black (graphitic), purplish fracture surfaces. Hard. (weakly silicified ± sericitized)
						Purplish red-brown f.g. (subhedral?) sphalerite as laminae (0.5-1.0 mm), bands (0.1cm - 1.0cm) - ribbon bands - following S_1, S_2 Black graphite and other carbonaceous material as similar laminae-bands (ribbon bands") following S_1, S_2. Rare brassy yellow f.g. (subhedral-cubic?) pyrite as similar laminae-bands ("ribbon bands"). Well-developed microlithon texture.
						Very good core recovery. Good RQD. Sharp upper contact at CA 75°. Sharp lower contact at CA 70°
						Olive green-grey chloritic phyllite with off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$ occurs at 548.9 - 549.2 near lower contact. Weakly calcareous. CS_2 and PS_2 foliated. Olive green-grey fracture surfaces. Moderately hard (silicification). 1-2% pyrrhotite, within quartz-dolomite laminae parallel S_2. Gradational contact with 4A14.
						Olive grey weakly chloritic phyllite / siltstone interbands at 548.3, 548.9 are weakly calcareous, soft and have fairly sharp contacts with 4A14 → 5A69, 4A19.
C	5492	5499			5A6	(4A4) 60:40
						Black to dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 IS_2. Weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft to soft. 1-2% pyrrhotite, along quartz-siltstone laminae following S_1, S_2. Trace pyrite, occurring along with pyrrhotite. Both are f.g.-m.g. euhedral cubic (cubic pseudomorphs). Very good core recovery. Good to fair RQD. Blocky core at 549.5. Sharp upper contact at CA 70°; Gradational lower contact parallel S_2,

DDH 91DY-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 20/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sphalerite-bearing variant at 549.6 - 549.9 includes 10% purplish red-brown f.g. (subhedral?) sphalerite as laminae parallel S_2. Ribbon-banded quartzite. Hard.
L	549.9	550.9			5B4	(5DØ : 5AØ) 9Ø:Ø5:Ø5
						Light to medium grey phyllite with yellowish-green tint (sericite-chlorite alteration), off-white quartz-calcite siltstone laminae/beds following $S_1, S_2/S_2$, and late off-white quartz-calcite veinlets at CA 45° crosscutting S_1, S_2 (following L_3, L_4, or L_5?). Moderately calcareous. PS_2 and CS_2 foliated. Silvery grey ± yellow-green tint fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
						Olive green chloritic phyllite interbands are moderately calcareous, moderately soft (have olive fracture surfaces), and have gradational contacts with 5B4 → 4LØ* parallel S_2.
						Black to dark grey graphitic phyllite interbands are moderately calcareous, moderately soft to soft, have black graphitic fracture surfaces, and have gradational contacts with 5B4 → 4LØ*, 5DØ parallel S_2.
L	550.9	552.4			4A14	(4A148) 8Ø:2Ø
						Black to dark grey ribbon-banded quartzite with off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2/S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Yellowish (sericitic) silvery grey fracture surfaces. Moderately hard (weakly silicified). Contains 35% carbonaceous material, 35% quartz, 10% sphalerite, 15% dolomite and 5% iron sulphides (pyrite + pyrrhotite). Purplish red-brown f.g. (subhedral?) sphalerite as laminae following S_1, S_2. Bronze-brown f.g. (subhedral?) pyrrhotite and brassy yellow f.g.-m.g. (euhedral-cubic) pyrite both occur as laminae parallel S_2. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 75°.

DDH 91DY-05 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 24/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Magnetite-pyrrhotite-bearing variant occurring at 551.8-552.0 includes 2% pyrrhotite, (pyrite drops to 3%). 10% black f.g. (subhedral-euhedral) strongly magnetic magnetite occurs as patches and laminae parallel S_2 (clay mineral content drops to 5%).
L	5524	5547			5CA6	(5C76 : 5F46 : ~~4A~~) 45:40:10:05 (Yellowish-green) grey (quartz-sericite-chlorite altered) v f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts, and black f.g. subhedral (pyroxene, amphibole?) phenocrysts within a relict porphyritic igneous texture. Overprinted by off-white (ochre) quartz-dolomite-calcite ± limonite and olive chloritic laminae // S_2. Moderately to weakly calcareous. PS_2 foliated. Yellowish (sericitic) grey fracture surfaces. Moderately hard. Very good core recovery. Fair RQD. Blocky core at 553.8-554.0, 555.4-554.7. Sharp upper contact at CA75°. Sharp lower contact at CA80°. F.g. upper and lower chill margins. (dyke, not a sill?).
						Chloritic-quartz banded (1-3 cm. wide bands parallel S_2) variant occurs at 554.0-554.7.
L						Olive grey chloritic phyllite with off-white quartz-calcite siltstone laminae/beds following S_1, S_2/S_2 occurs at 554.2-554.4.
						Sphalerite-rich ribbon-banded quartzite with magnetite occurring at 553.6-553.7 is hard, magnetic, PS_2 and CS_2 foliated, contains 30% purplish red-brown sphalerite as bands following S_1, and has sharp contacts with 5CA6, 5C76, 5F46. Nose of a fold.
L	5547	5551			5A16	Black to dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly graphitic. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately hard (weakly silicified), 2-3% bronze-brown pyrrhotite,

1987 F-2A

DDH 91UY-05 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 20/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
						as bands (3-4cm. wide) parallel S_2. Very good core recovery. Poor RQD. Blocky core at 554.8-555.0. Sharp upper contact at CA 80°. Sharp lower contact at CA 75°.
L	555.1	558.2			5C7	(10QP) 90:10 Medium olive grey v.f.g. aphanitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black subhedral (amphibole, pyroxene?) phenocrysts within relict porphyrytic igneous texture. Strongly overprinted by olive green chloritic bands parallel S_2 and off-white quartz-dolomite laminae, bands parallel S_2. Weakly calcareous, PS_2 foliated. Olive grey fracture surfaces. Moderately hard. Poor core recovery (at least 0.1m. core loss at 557.6-558.1. Fair to poor RQD. Blocky core at 555.3-555.5. Rubbly core at 557.3-558.2. Sharp upper contact at CA 75°. Sharp lower contact (CA angle not discernable). White-cream bull quartz-dolomite concordant band (vein?) subparallelling S_2 occurring at 557.1-557.4 is weakly calcareous, hard and has sharp contacts with 5C7.
L	558.2	559.0			5A6	A1 Black to dark grey graphitic phyllite with offwhite quartz-ddomite siltstone laminae/bels following $S_1, S_2 / S_1, S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft. Trace pyrrhotite along quartz-dolomite laminae, bands parallel S_2. Very good core recovery. Poor RQD. Blocky to rubbly core throughout. Sharp upper contact (CA angle not discernable). Sharp lower contact at CA 70°.

DDH 91-44-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 20/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	559.0	559.4			5C7	(4A0) 70:30 Olive grey v.fg. aphanitic metabasitic groundmass, white fg. anhedral (leucoxene?) phenocrysts and black fg. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyrytic igneous texture. Overprinted by olive grey chloritic laminae parallel S_2. Weakly calcareous. PS_2 foliated. Olive grey and ochre (limonite) fracture surfaces. Moderately hard. No sulphides. Sharp upper contact at CA70°. Sharp lower contact at CA80°. Black to dark grey ribbon-banded quartzite at 559.2-559.4 are weakly calcareous, soft, have black graphitic fracture surfaces and sharp contacts with 5C7.
L	559.4	560.7			4A4	(5A6) 60:40 Black to dark grey ribbon-banded quartzite with off white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately hard. 1-2% pyrrhotite, as disseminations and bands (1-3 cm. wide) parallel S_2. Trace disseminated pyrite as bands parallel S_2. Very good core recovery. Good to poor RQD. Blocky to rubbly core at 560.0-560.4. Sharp upper contact at CA80°. Sharp lower contact at CA60°. Black graphitic non-calcareous phyllite is softer and has gradational contacts with 4A4.
L	560.7	561.3			5C4	Olive grey v.fg. aphanitic metabasitic groundmass, white fg. anhedral (leucoxene?) phenocrysts and black fg. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Chloritic S_2 overprint. Olive grey-yellowish fracture surfaces. Moderately soft. Very good core recovery. Good RQD. Sharp upper contact at CA70°. Sharp lower contact at CA80°.

DDH 91UY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 21/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	561.13	562.21			5A61	(4A4:1Q) 93:05:02
						Black to dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately hard (weakly silicified). 2-3% pyrrhotite, as laminae parallel S_2 and quartz-dolomite veinlets, along with trace chalcopyrite. Very good core recovery. Fair to poor RQD. Blocky to rubbly core at 561.3-561.7. Occasional ochre limonite stain on fractures and along veins. Gradational upper contact parallel S_2. Sharp lower contact at CA80°.
						White grey bull quartz concordant band (vein?) at 561.9 subparallels S_2, is non-calcareous, hard and has sharp contacts with 5A61.
L	562.21	563.23			5C6	(5C0:5F46:4A0) 60:25:10:05
						Medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by off-white quartz-dolomite and black carbonaceous bands parallel S_2. Weakly calcareous. PS_2 foliated to massive. Grey fracture surfaces. Moderately hard. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA80°. Sharp lower contact at CA75°
						Calcareous metabasite at 562.8-563.2 has same relict porphyritic igneous texture and S_2 overprint, is PS_2 foliated, is moderately calcareous (quartz-calcite laminae, bands) and has sharp contact with 5F46 above.
						Yellowish-green-grey (Sericite-chlorite altered) phyllite is weakly calcareous, CS_2 and PS_2 foliated, is moderately soft, and has fairly sharp contacts with 5C6&2, 5C0 parallel S_2. Contains 3-4% pyrrhotite. Some black carbonaceous ribbon-banded quartzite
	563.33	564.33			5A0	&T
						Black graphitic phyllite with siltstone laminae, beds as above. Moderately calcareous, hard.
L	563.33	564.52			5B0	(5C0:5B4) 60:30:10

DDH 91-MY-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 21/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Black to dark grey graphitic phyllite with off-white quartz-calcite laminae/beds following S_1, S_2 / S_2. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft to soft. 2-3% pyrrhotite (bronze-brown) within quartz-calcite laminae/beds following $S_1, S_2 / S_2$ as f.g.-c.g. (≤ 1.5cm. dia.) subhedral-euhedral rhombs and crystal forms with basal cleavage. Trace brassy yellow c.g. euhedral-cubic pyrite along fractures. Very good core recovery. Good RQD. Sharp upper contact at CA 75° Gradational lower contact parallel S_2.
						Interbands of yellowish-green tinted grey phyllite (weakly sericitized-chloritized) with off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2 / S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Grey ± yellow fracture surfaces. Moderately soft. 1-2% pyrrhotite within laminae following S_1, S_2. Fairly sharp contacts parallel S_2.
L	5652	5654			5A6	
						Black to dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2 / S_2$. Weakly calcareous, CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft to soft. Approx. 5% pyrrhotite as bronze-brown c.g. euhedral-rhombic crystals within quartz-dolomite band. Good core recovery. Fair RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 80°.
L	5654	5667			5C6	(5A6 : 5B16) 95 : 04 : 01.
						Light to medium grey v.f.g. aphanitic metabasite groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted strongly by olive grey chloritic bands, black carbonaceous laminae parallel S_2. Weakly calcareous. PS_2 foliated to massive. Grey fracture surfaces. Moderately hard. Very good core recovery, RQD. Sharp upper contact at CA 80°. Healed brecciated (bull quartz veins intersecting at CA 5°; CA 50° at 5666.

C.R.I. 1987 F-3A

DDH 91UY-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 20/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Sharp lower contact at CA65°.
						Black graphitic phyllite at 566.3 is weakly calcareous, soft, CS_2 and PS_2 foliated and has sharp CA75° contacts with 5C6.
						Yellowish-green grey sericite-chlorite altered phyllite interbands are weakly calcareous, moderately soft and have sharp contacts with 5C6 (Gradational contacts with 5A6).
L	566.7	567.2			5B46	(5A6) 80:20
						Yellowish-green grey sericite-chlorite altered phyllite with off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2 / S_2$. Weakly calcareous, PS_2 and CS_2 foliated. Yellowish grey fracture surfaces. Moderately soft. 1-2% pyrrhotite within laminae parallel S_2. Very good core recovery. Good RQD. Sharp lower contact at CA65° Gradational lower contact parallel S_2.
						Black graphitic phyllite is weakly calcareous, soft, cross-cut by quartz-dolomite-pyrrhotite veinlets and has gradational contacts parallel 5B46.
L	567.2	573.6			5A6	→ 5B26 (5B46) 98:02
						Black to dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following $S_1, S_2 / S_2$. Weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft to soft. Pyrrhotite along laminae following S_1, S_2. Very good core recovery. Good RQD. Gradational contacts parallel S_2. Cross cut by quartz-dolomite veinlets at CA0°-30° (post S_1, S_2)
						Yellowish-green grey (sericite-chlorite altered) phyllite/siltstone interbands are weakly calcareous, CS_2 and PS_2 foliated, moderately soft and have gradational contacts parallel S_2.

DDH 91-47-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 20/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	576	5760			5B26	(5F46) 55:45
						Dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Moderately soft. Vuggy at 575.0. Trace pyrrhotite, within quartz-dolomite laminae, beds following S_1, S_2. Very good core recovery. Good RQD. Late quartz-dolomite veinlets at CA 20°, 60°. Gradational upper, lower contact parallel S_2.
						Yellowish-green grey (sericite-chlorite altered) phyllite with offwhite quartz-dolomite laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Gradational contacts with 5B26 parallel S_2.
L	5760	5805			5A6	(5A69:4A4) 97:02:01
						Black to dark grey graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft to soft. 1-2% pyrrhotite within quartz-dolomite laminae, beds following S_1, S_2. Very good core recovery. Good to very good RQD. Gradational upper contact parallel S_2. Lower contact
						Sphalerite and galena-bearing graphitic phyllite at 579.6-580.5 includes pyrrhotite and reddish-black sphalerite within laminae, beds following S_1, S_2 and trace purplish-grey f.g. anhedral-cubic crystals associated with sphalerite. Includes black carbonaceous ribbon-banded quartzite, which is harder and contains most of the mineralization.

DDH 91-04-05

CURRAGH R. OURCES INC.
Lithologic Log

Date: MAY '91 Logged By: S. Zsedrik

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	580.5	584.9			5A 6	±1 (5B2 ±3 ±1) 70:30
						Dark gray to black, locally medium dark gray, generally non-calcareous
						locally weakly calcareous, PS$_y$ and CS$_y$ foliated phyllite
						is generally weakly silicified. 5A6 ±1 hosts 30-35%
						weakly carbonaceous, weakly calcareous phyllite bands on the mm
						and cm-scale. All units host 5-7% clotty Py.
						Rocks are slightly hard, moderately broken and have
						good recovery. Upper and lower contacts are sharp at 11S$_2$
						Con'd ↓

DDH 91UY-05 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb. 18/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	5849	5856			4E4	(4G4) 90:10 Sphalerite-bearing pyritic massive sulphide containing 65% pyrite, 20% quartz, 5% pyrrhotite, 10% dolomite and trace barite. Very weakly calcareous. Massive to PS_2 foliated. White-grey-brassy yellow fracture surfaces. Hard. Brassy yellow f.g. (euhedral-cubic?) pyrite occurs as masses and bands (1-3cm wide) $\parallel S_2$. Brown metallic f.g. (subhedral?) pyrrhotite. Cream-white f.g. anhedral weakly calcareous dolomite as patches and vug-fillings. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Gradational lower contact. Locally contains 10% off-white, soft, dense, non-calcareous barite as disseminations.
L	5856	5865			4G0*	Baritic massive sulphide with (secondary?) calcite. Contains 65% pyrite, 15% barite and 15% quartz and 5% calcite. Moderately calcareous. Massive to PS_2 foliated. Brassy yellow-white-grey fracture surfaces. Hard. Locally vuggy. Brassy yellow f.g. (euhedral-cubic?) pyrite as masses and bands (1-10mm wide). Off-white, f.g., soft, non-calcareous dense barite as disseminations. Off-white, soft, very calcareous calcite as laminae parallel S_2 and vug-fillings. Very good core recovery. Good RQD. Gradational upper, lower contacts parallel S_2.
L	5865	5877			4G0	Baritic massive sulphide containing 65% pyrite, 15% barite, 10% quartz and 10% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Brassy yellow-white-grey fracture surfaces. Hard. Locally vuggy. Brassy-yellow f.g. (euhedral-cubic?) pyrite as masses and bands (2-4cm. wide) parallel S_2. Off-white, soft, non-calcareous,

DDH 91-UY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						dense barite as disseminations and patches. Off-white creamy weakly calcareous, fg. dolomite as laminae parallel S_2 and patches.
						Very good core recovery. Good RQD. Gradational upper contact - parallel S_2. Sharp lower contact at CA80°.
L	587.7	588.2			5A61	(5A6) 60:40
						Dark grey to black graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. PS_2 and CS_2 foliated. Black graphitic fracture surfaces. Moderately hard (weakly silicified). Disseminated mg euhedral-cubic pyrite cubes; 3-5%, overall. Veinlet-filling fg. subhedral pyrrhotite; 1-2%, overall. Very good core recovery. Good RQD. Sharp upper contact at CA80°. Sharp lower contact at CA40°.
						Non-silicified unit occurring at 587.9-588.2 is dark grey to black, PS_2 and CS_2 foliated, graphitic (fractures) and moderately soft (to soft). Gradational contact with 5A61
L	588.2	588.5			4C4	
						Sphalerite-bearing pyritic quartzite containing 55% quartz, 25% pyrite, 15% dolomite and 5% pyrrhotite. Very weakly calcareous. PS_2 foliated. Grey-white - brassy yellow fracture surfaces. Hard. Brassy yellow, fg (euhedral-cubic?) pyrite as bands and disseminations. Brown fg sphalerite as disseminations, laminae parallel S_2. Very good core recovery. Good RQD. Sharp upper contact at CA40°. Gradational lower contact.
L	588.5	590.0			4D4	
						Sphalerite-rich pyritic quartzite containing 35% pyrite, 35% quartz, 20% pyrr-

DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
						hotite and 10% dolomite. Very weakly calcareous. PS_2 and (rarely) CS_2 foliated. Brassy yellow-white-grey fracture surfaces. Hard. Brassy yellow f.g. (euhedral-cubic?) pyrite as bands (1-5cm wide) parallel S_2. Reddish-brown f.g. subhedral sphalerite as laminae-bands (1-3mm. wide) following S_1, S_2. Off-white (cream) f.g., soft, weakly calcareous dolomite as patches and laminae following S_1, S_2. Locally vuggy (dissolved calcite).
						Very good core recovery. Good RQD. Gradational upper contact. Gradational upper contact. Gradational upper, lower contacts parallel S_2.
L	5900	5903			5A16	9
						Dark grey to black weakly silicified graphitic phyllite with off-white quartz-dolomite laminae following S_1, S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Graphitic fracture surfaces. Moderately hard (weakly silicified). Reddish-brown sphalerite laminae following S_1, S_2. Very good core recovery. Good RQD. Gradational contacts parallel S_2.
L	5903	5905			4E4	
						Sphalerite-bearing pyritic massive sulphide containing 70% pyrite, 20% quartz, 5% sphalerite, 5% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Brassy-yellow-grey-white fracture surfaces. Hard. Brassy yellow f.g. (euhedral-cubic?) pyrite as masses. Reddish-brown f.g. (subhedral?) sphalerite as patches and laminae parallel S_2. Off-white (cream) f.g. weakly calcareous (i.e. 10% HCl acid reaction) dolomite as patches. Very good core recovery. Good RQD. Gradational contacts parallel S_2.

DDH 91UY-05

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	590.5	591.6			4GA	Sphalerite (+galena)-bearing baritic massive sulphide containing 55% galena, 20% sphalerite, 10% barite, 5% dolomite, 10% quartz and trace galena. Very weakly calcareous. Massive to PS_2 foliated. Brassy yellow-brown-white-grey fracture surfaces. Hard. Brassy yellow f.g. (euhedral-cubic?) pyrite as masses and bands (2-10 cm. wide). Purplish red-brown metallic f.g. (subhedral?) sphalerite as patches and bands (0.5-3 cm wide) parallel S_2. Off-white, soft, non-calcareous, dense barite as disseminations as patches. Trace purplish-grey f.g.-m.g. euhedral-cubic galena within sphalerite patches (590.9, etc.). Vuggy, with vugs at 590.5-590.8 as ellipses elongate parallel S_2 (0.5-1.5 cm. long). Dense, heavy. Very good core recovery. Good to very good RQD. Gradational contacts parallel S_2. Slickensided lower contact (@ 83°/44° to strike of S_2).
L	591.6	592.2			4G4A	Sphalerite-rich baritic massive sulphide containing 35% sphalerite, 30% pyrite, 20% quartz, 10% barite and 5% carbonate (dolomite+calcite). Weakly to moderately calcareous. Massive to PS_2 foliated. Purplish red-brown, brassy yellow, white-grey fracture surfaces. Hard. Cross-cut by laminae or veinlets subparallel S_2 containing quartz-dolomite-Mg chlorite (olive-grey). Vuggy at 592.1-592.2 with vugs (1-2 cm. dia.) still containing some calcite. No galena seen. Dense, heavy. Purplish reddish-brown f.g. (subhedral?) sphalerite as masses, bands (2-5 cm. wide) parallel S_2. Brassy yellow f.g. (euhedral-cubic?) pyrite as masses, bands (2-4 cm. wide) parallel S_2 and disseminations. Off-white f.g. anhedral barite, as disseminations and patches, is soft, non-calcareous and dense. Off-white (creamy) f.g. (anhedral?) dolomite as patches. Calcite as vug-fillings (partial) along veinlets at CA @ 20, 45°. Very good core recovery. Good RQD. Gradational contacts parallel S_2.

DDH 91-04-05 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	592.2	592.7			4C48	(100#) 80:20
						Sphalerite-magnetite-bearing pyritic quartzite with minor quartz breccia containing 35% quartz, 35% pyrite, 10% sphalerite, 10% magnetite, 10% carbonate (dolomite + calcite). Weakly to moderately (veinlets) calcareous. Massive to PS_2 foliated. Minor healed oligomict clast-supported breccia. Hard.
						Brassy yellow f.g. (euhedral-cubic?) pyrite as masses and bands (2-5cm. wide) parallel S_2. Purplish red-brown f.g. (subhedral?) sphalerite as bands (1-3cm. wide) parallel S_2 and selvages of quartz bands (veinlets?) within breccia (592.5-592.6). Black v.f.g. (subhedral?) strongly magnetic magnetite as patches and veinlet-fillings (both, at 592.5-592.6). Off-white f.g. (euhedral?) dolomite as patches. Off-white calcite-quartz veinlet network at 592.5-592.6 at CA 0°-30°.
						Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 80° (parallel S_2).
						White-buff bull quartz at 592.6-592.7 is cut by calcite-quartz veinlets at CA 0°-30°, is moderately calcareous, hard, and has sharp contacts with 4C48.
L	592.7	595.0			5A6	(5A61:5A9:100#) 60:30:08:02
						Black to dark grey graphitic phyllite with offwhite quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous, CS_2 and PS_2 foliated. Black graphitic fracture surfaces. Moderately soft to soft. Trace brassy yellow m.g. euhedral-cubic pyrite as veinlet-filling within late quartz-calcite veinlets at CA 0°-60°. Good core recovery. Fair RQD. Blocky core at 593.5, 594.4-594.6. Sharp upper contact at CA 80°. Sharp lower contact at CA 75°. Ochre (limonite) fractures near lower contact.
						Dark grey weakly silicified graphitic phyllite is weakly calcareous, moderately hard and has gradational contacts with 5A6. Occurs at 592.7-595.0.

C.R.I. 1987 F-7A

DDH 91-04-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sphalerite-bearing graphitic phyllite at 592.7-592.9 is dark grey, weakly calcareous, moderately soft and has gradational contact with 5A6.
						Bull quartz-calcite veinlet at CA 25° at 593.4 is moderately calcareous, hard, vuggy and cross-cuts S_2 having sharp contacts with 5A6.
L	595.0	595.5			4A41	NOT RIBBON-BANDED.
						Black to dark grey graphitic phyllite with sphalerite, pyrite bands (not ribbon-banded). Very weakly calcareous. PS_2 and CS_2 foliated. Black graphitic fracture surfaces, sometimes with brassy-yellow and purplish red-brown colours (sulphides). Moderately hard (silicified). Vuggy (1-10mm. dia.) at 595.0-595.5. Contains 20% pyrite and 10% sphalerite. Brassy yellow f.g.-m.g. euhedral-cubic pyrite as bands (1-30cm. wide) parallel S_2 and laminae (wisps) following S_1. Purplish red-brown laminae-bands (1-5mm wide) parallel S_2.
						Very good core recovery, RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 75°.
L	595.5	595.8			4D4	
						Sphalerite-bearing pyritic massive sulphide containing 60% pyrite, 30% sphalerite, 8% quartz, 2% dolomite (?). Very weakly calcareous. Massive to PS_2 foliated. Brassy yellow-purplish red-brown-white fracture surfaces. Hard.
						Brassy yellow f.g. (euhedral-cubic?) pyrite as masses and bands (2-6cm. wide) parallel S_2. Purplish red-brown f.g. (subhedral?) sphalerite as bands (1-3cm wide) parallel S_2. Off-white (creamy) f.g. dolomite as patches.
						Very good core recovery. Good RQD. Sharp upper contact at CA 75°. Gradational lower contact in S_2.

CRL 1987 F-7A

DDH 91DY-05 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 18/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	595 8	596 5			4G48	
						Sphalerite-magnetite-bearing baritic massive sulphide containing 60% pyrite, 20% quartz, 10% sphalerite, 5% magnetite and 5% dolomite. Very weakly calcareous. Massive to PS_2 foliated (locally, CS_2 foliated). Brassy yellow-grey-reddish brown-black fracture surfaces. Hard. Heavy, dense.
						Brassy yellow f.g.m.g. euhedral-cubic pyrite as masses, disseminations and bands (2-7cm. wide) parallel S_2. Purplish reddish-brown f.g. (subhedral?) sphalerite as bands (0.5-2.0cm. wide) parallel S_2. Black v.f.g. (subhedral?) strongly magnetic magnetite as patches and laminae following S_1 (locally). Off-white (creamy) f.g. (anhedral?) dolomite as patches and laminae following S_1, S_2.
						Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA70°.
L	596 5	596 7			5C14	
						Light to medium grey v.f.g. aphanitic metabasitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by white-grey quartz-dolomite laminae, bands parallel S_2. Very weakly calcareous. PS_2 foliated. Grey fracture surfaces. Moderately hard and smooth (weakly silicified). Weak quartz-sericitic "bleaching" alteration. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA70°. Sharp lower contact at CA60°.
L	596 7	597 1			4K87	87? VERY MAGNETIC.
						Ankeritic massive (non-pyritic?) sulphides containing 30% ankerite, 40% magnetite,

DDH 91-UY-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						20% pyrrhotite, 10% quartz. Very weakly calcareous (10% HCl acid reaction). Massive to PS_2 foliated. White-grey-black-brown fracture surfaces. Moderately hard. Vuggy at 596.9-597.0 (carbonate-Mg chlorite? nearby). Off-white to ochre (limonite?), hard, fg-mg very weakly calcareous ankerite(?) as large patches and fracture-fillings. Black fg. (subhedral?) magnetite as patches, veinlet-fillings and interstitial-fillings. Brassy fg-mg. subhedral pyrrhotite as patches, bands (1-3 cm. wide) parallel S_2 and veinlet fillings.
						Very good core recovery. Good RQD. Sharp upper contact at CA 60°. Gradational lower contact parallel S_2.
L	597.1	597.7			4G44	
						Sphalerite-rich baritic massive sulphide containing 35% sphalerite, 25% pyrite, 20% quartz, 15% barite and 5% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Purplish red-brown & brassy yellow, white-grey fracture surfaces. Hard. Heavy, dense.
						Purplish red-brown f.g. (subhedral?) sphalerite as masses and bands (0.5-2.5 cm wide) parallel S_2. Brassy yellow f.g. (euhedral-cubic) pyrite as masses and bands (0.5-2.5 cm. wide) parallel S_2. Off-white f.g. soft, non-calcareous, dense barite as disseminations and patches. Off-white (cream) f.g., soft, weakly calcareous dolomite as patches and laminae, bands parallel S_2.
						Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 70°.
L	597.7	598.0			5C41	9 (4E4) 60:40
						Light to medium grey v.fg aphanitic metabasaltic groundmass, white fg-mg. euhedral Aenco-

CRI 1987 F-3A

DDH 91-84-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 19/91 Logged By: D. Hallinwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						xene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by dark grey matrix bands/laminae, dff-white quartz-dolomite (laminae) and reddish brown sphalerite laminae parallel S_2. Very weakly calcareous. PS_2 foliated to massive. Grey fracture surfaces. Moderately hard (weakly silicified). Weak quartz-sericite-chlorite alteration. Red-brown sphalerite laminae (1-3mm wide) parallel S_2. Very good core recovery, Good RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°.
						Sphalerite-rich pyritic massive sulphide occurs at 599.9 - 599.95. Reddish-brown sphalerite occurs as masses, bands parallel S_2.
L	59.80	59.98			4D4	(4D4) 60:40
						Sphalerite-bearing pyritic massive sulphide containing 50% pyrite, 25% sphalerite, 15% quartz, 10% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Brassy yellow, purplish red-brown, grey-white fracture surfaces. Hard. Brassy yellow f.g. (subhedral-cubic) pyrite as masses and bands (2-10cm wide). Honey and red-brown f.g.-v.f.g. (subhedral?) sphalerite as masses and bands (1-4 cm wide) parallel S_2. Dff-white (creamy) f.g. (anhedral?) dolomite as patches, laminae-bands parallel S_2.
						Very good core recovery, RQD. Sharp upper contact at CA 80°. Gradational lower contact // S_2.
						Sphalerite-rich (25-40%) equivalent occurs at 599.2-599.8. Unit is purplish reddish-brown and has gradational contact with 4D4. (Sharp contact with 599.8).
L	59.98	60.12			4H84	
						Magnetite-sphalerite-bearing massive pyrrhotitic sulphides is bronze-coloured and contains 65% pyrrhotite, 10% magnetite, 10% sphalerite, 10% quartz and 5% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Brassy brown fracture surfaces except along white dolomite-quartz veinlet-fractures. Hard.

DDH 91UY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 14/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Brassy brown vf.g. (subhedral?) weakly magnetic pyrrhotite as masses. Reddish-brown f.g. (subhedral) sphalerite as bands parallel S_2 and masses. Off-white (creamy) f.g. (subhedral?) dolomite as veinlets cross-cutting S_2 at CA 0°-30°, 60°-70° separating pyrrhotite clasts within healed minor oligomict clast-supported matrix. Black f.g. (subhedral?) strongly magnetic magnetite as patches and veinlet-fillings.
						Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 70°.
L	60 12	60 13			5A 1,6 9	
						Dark grey to black graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2 / S_2. Very weakly calcareous. PS_2 and CS_2 foliated. Black graphitic fracture surfaces. Moderately hard (silicified, weakly). Contains reddish-brown sphalerite laminae-bands (1-3mm wide) parallel S_2; 15% sphalerite, overall. Trace disseminated chalcopyrite along microfractures. White (kaolinite) fracture at low CA. Good core recovery, RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA 80°.
L	60 13	60 15			4E4	→464 (100) 95:05
						Sphalerite-bearing pyritic massive sulphide containing 70% pyrite, 20% quartz, 5% sphalerite and 4% dolomite. Very weakly calcareous. Massive to PS_2 foliated - Brassy yellow fracture surfaces. Hard. Brassy yellow f.g. (subhedral-cubic) pyrite as masses and bands (1-4cm. wide) parallel S_2. Reddish-brown f.g. (subhedral?) sphalerite as bands (1-3cm wide) parallel S_2. Off-white (creamy) f.g. anhedral patches (clots) and laminae parallel S_2. Very good core recovery. Good to fair RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 50° marked by off-white bull quartz band (vein?) parallel S_2.

DDH 91DY-05

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Locally contains 5-10% off-white, noncalcareous, soft, dense barite clots.
L	6015	6037			5A6	→5B26
						Dark grey to black graphitic phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Dark grey to black graphitic fracture surfaces. Moderately soft to soft. Pyrite masses and laminae/beds following S_1/S_2; 3% pyrite, overall. Good core recovery. Fair to poor RQD. Blocky to "potato-chippy" at 6017.6-6022.4. Sharp upper contact at CA 80°. Gradational lower contact parallel S_2.
L	6037	6044			5B4.6	1→4L01
						Light to medium grey phyllite with yellowish-green (quartz-sericite-chlorite alteration) fine and off-white quartz-dolomite siltstone laminae/beds following S_1, S_2/S_2. Very weakly calcareous. CS_2 and PS_2 foliated. Moderately hard (weakly silicified). Minor brecciated slightly clast-supported breccia defined by late quartz-dolomite veinlets at several CA angles. Very good core recovery. Good to fair RQD. Gradational upper contact parallel S_2. Sharp contact at CA 80°.
L	6044	6046			4H84	(4H0) 60.40
						Magnetite-sphalerite-bearing massive pyrrhotitic sulphide contains 70% pyrrhotite, 10% magnetite, 10% quartz, 5% sphalerite, 5% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Bronze-brown fg. (subhedral?) pyrrhotite as masses. Black fg. (subhedral) strongly magnetic magnetite as patches. Red-brown sphalerite

DDH 91KY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						as f.g. (subhedral?) crystals within beds (2-4cm wide) parallel S_2. Off-white (cream) f.g. (anhedral?) dolomite as clots (patches). Very good core recovery, RQD. Sharp upper contact at CA 80°. Sharp lower contact (undulose), marked by bull quartz. Barren pyrrhotite-only massive sulphide occurs at 6Ø4.5-6Ø4.6.
L	6Ø46	6Ø58			1ØE9	→ 1ØA9 (1ØQ) 6Ø:4Ø Altered granodiorite-diorite and bull quartz with altered intrusive xenoliths. Light grey (30% dark minerals). Phaneritic-massive igneous texture with plagioclase (60%), quartz (10%), amphibole (20%), K-spar (5%), biotite (5%). Contain dolomite ± limonite fractures at CA 20°-30° (veinlets). Very good core recovery, RQD. Sharp, undulose upper contact. Sharp lower contact at CA 80°. White, hard bull quartz is non-calcareous and has sharp contacts with 1ØE9 → 1ØA9, 4H84.
L	6Ø58	6Ø61			5C4	Light to medium grey v.f.g. aphanitic metabasaltic groundmass, white f.g. anhedral (leucocene?) phenocrysts and black f.g. subhedral (amphibole, pyroxene?) phenocrysts within relict porphyritic igneous texture. Overprinted by off-white quartz-dolomite laminae parallel S_2. Very weakly calcareous. P_2 foliated. Grey fracture surfaces. Moderately soft. Weak yellow-green tint (quartz-sericite-chlorite alteration). Trace disseminated pyrite as f.g.-m.g. euhedral cubes. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 65°.
L	6Ø61	6Ø63			5B1.6	

DDH 91u4-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb. 19/91 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 weakly silicified phyllite with off-white quartz-dolomite siltstone laminae/beds following S_1, $S_2//S_0$. Very weakly calcareous. C_2 and P_2 foliated. Moderately hard (weakly silicified). No sulphides. Cross-cut by quartz-dolomite veinlets at CA 40°, 0°, (parallel L_3, L_4, L_5, ?) Very good core recovery. Good RQD. Sharp upper contact at CA 65°. Sharp lower contact at CA 60°.
L	6063	6067			4H0	&4
						Pyrrhotitic massive sulphide containing 90% pyrrhotite, 5% sphalerite and 5% dolomite. Very weakly calcareous. Massive. Minor healed oligomict clast-supported breccia at 6065-6067 with subangular-equant pyrrhotite clasts. Bronze fracture surfaces. Hard. Bronze-brown f.g. (subhedral?) pyrrhotite as masses. Red-brown f.g. (subhedral?) sphalerite as wisps. Very good core recovery, RQD. Sharp upper contact at CA 60°. Sharp lower contact at CA 50°. (Both contacts appear to cross-cut S_2).
L	6067	6070			10C99	
						Pegmatitic granodiorite(?) with abundant arsenopyrite (10%), sphalerite (5%), galena (5%) and unknown dark green-turquoise (10%) c.g. euhedral-rhombic unknown mineral (associated with whitish-grey v.c.g.-c.g. euhedral-rhombic arsenopyrite crystals). Remobilized-recrystallized. Very weakly calcareous. Massive, intrusive, Brecciated vein. Hard. Very good core recovery, RQD. Sharp upper contact at CA 50°. Sharp lower contact at CA 60°.
L	6070	6075			4K0	(4E7) 60:40. BRECCIA
						White-grey, very hard, weakly calcareous brecciated unit. Breccia is fairly well-healed, dyke-

DDH 91-01-05 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						moist and matrix-supported. Good core recovery. Fair RQD. Sharp upper contact at CA 60°. Sharp lower contact at CA 65°. Angular-elongate clasts of pyrrhotite-bearing pyritic massive sulphide containing 75% pyrite, 15% quartz, 5% pyrrhotite, 5% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Brassy yellow fracture surfaces. Hard. Brassy yellow fg (euhedral-cubic?) pyrite as masses. Bronze-brown fg (subhedral?) pyrrhotite as bands (2-5 cm wide) parallel S_2. Off-white (cream) fg (euhedral?) dolomite as laminae-bands parallel S_2.
L	607.5	608.1			4E04	(4E4) 60:40 Sphalerite-bearing pyritic massive sulphide containing 70% pyrite, 20% quartz, 5% sphalerite and 5% dolomite. Very weakly calcareous. Massive to PS_2 foliated. Brassy yellow fracture surfaces. Hard. Brassy yellow fg (euhedral-cubic?) pyrite as masses, bands parallel S_2. Reddish-brown fg (subhedral?) sphalerite as laminae parallel S_2. Locally, contains ~10% sphalerite (608.0-608.1).
	608.1	611.2			5A16	1 ± 3 (→5B6) 90:10 Dark gray to black generally non-calcareous, sporadically weakly calcareous S_2 and PS_2 foliated graphitic phyllite. is weakly silicified throughout. Unit hosts 3-5% clotty Py. Rock is slightly to moderately hard, moderately broken and has good recovery. Upper contact is sharp and // S_2

C.D. 1987 F-7A

DDH 91-DY-05 (2 — 8)

CURRAGH R. OURCES INC.
Lithologic Log

Date: MAY'91 Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						Lower contact is gradational over 60cm with a loss of graphite down hole. P_2 also becomes dominant down hole.
	611.2	613.2			5FO	(4HO : 5AI) 80:10:10
						Medium green, moderately calcareous phyllite is PS_2 foliated with hints of remnant S_1. Unit hosts two bands of 4HO with very sharp contacts at 611.4-611.5 and 612.2-612.3. 4HO contacts are commonly irregular and trace contorted S_2. Below upper 4HO band is a 30cm section of 5AI that has a highly to moderately contorted S_2 fabric that is moderately silicified. 5AI hosts trace P_0. Interval is slightly salt and moderately broken. Upper and lower contacts are gradational on the dm scale.
	613.2	618.1			5BG	± → B
						Medium gray locally slightly grayish green, non-calcareous PS_2 foliated phyllite is sporadically very slightly chloritic. Unit is slightly soft, very slightly broken and has good recovery. Upper and lower contacts are gradational

CRL 1987 F-7A

DDH 91DY-05

CURRAGH R. JURCES INC.

Lithologic Log

Date: MAY 91 Logged By: B. Zbeccarelli

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	618.1	620.7			5BQ	± 1 ± → 02
						Medium gray, moderately to strongly calcareous, CS$_2$ foliated phyllite is locally weakly to moderately silicified. Silicification is associated with fine grained disseminated Po upto 7%. Non-silicious phyllite lacks Po. Sporadic occurances of weak carbon content is very sporadic. Upper and lower contacts are gradational with calcite content.
	629.7	630.0			5B61	±8 (506) 80:20
						Medium gray, non-calcareous, PS$_2$ foliated phyllite hosts 20-25% 0.5-10cm bands of 500 with and without chloritized margines. Rocks are slightly soft, slightly to moderately broken and have good recovery. Upper and lower contacts are gradational.
	630.0	642.10			5FP1	(5BQ ±02 : 5C4 : 500) 55 : 30 : 15 : trace
						Medium to medium light green, moderately calcareous, PS$_2$ foliated phyllite hosts a mixture of subunits. Locally chloritic alteration is very weak to nil and resulting unit of 5BQ rarely contains a weak to moderate graphitic content. Interval also hosts 15% 5C4 bands from 10-30cm wide and containing 3-5% chloritized matic minerals

DDH 91QY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: S. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						highly stretched into S_2. Interval also host trace wisps and band < 2cm of 5D0. All units are calcareous. Upper contact is gradational. Lower contact is sharp and $\parallel S_2$.
	642.0	653.9			5C41	# (5F1±3) 55:45
						Medium green, moderately to strongly calcareous andalusite hosts 7% 1-2mm chloritized mafic minerals stretched into S_2. Interval hosts 45-50% medium to light green RS_2 and PS_2 foliated, very weakly calcareous, moderately silicified chloritized phyllite. Internal contacts are sharp and $\parallel S_2$. Interval is generally moderately broken locally slightly broken. Mixed units are typically on the 0.5-2.0 m widths. Upper contact is sharp and $\parallel S_2$. Lower contact is gradational with a loss in chloritic alteration in phyllite.
	653.9				5B21	±1 (→5F0 : 5D0±1)
						Medium dark gray weakly to moderately calcareous phyllite is typically PS_2 foliated and hosts weak silicification over upper 2/3 of interval. Below silicification unit is slightly chloritic and tends to

DDH 91DV-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: MAY '91 Logged By: J. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						approch 5FO. Upper 2/3 of interval also hosts 1-2% 5-10cm bands of 5DO. Interval hosts sporadic occurances of black chert commonly 2-3mm rarely upto 0.75cm. Rock is slightly to moderately hard locally slightly soft. Units are moderately broken and have good recovery. Non-chloritic phyllite is slightly carbonaceous. Upper contact is gradational, lower contact is sharp and // S_2
						Unit contains 0-5% finely disseminated and clotty Po most abundant with weak silicification.
	664.1	665.5			5A01	
						Dark gray to black, generally moderately calcareous very rarely non-calcareous highly graphitic P_{S_2} foliated phyllite is very weakly silicified. Unit hosts 3-5% finely disseminated and clotty Po. Unit is moderately to strongly broken, moderately to slightly hard and has good recovery. Upper and lower contacts are sharp and // S_2
	665.5	671.0			5B02	± → 6
						Medium dark gray, weakly to very weakly calcareous phyllite is P_{S_2} foliated and contains a weak carbon content. Unit hosts 0-trace Po and 2-3% quartz calcite stringers and veinlets. Rock is slightly hard, non-silicified, moderately broken and has good recovery

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DDH 91DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: MAY '91 Logged By: T-Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Upper and lower contacts are sharp and $\parallel S_2$
	671.0	677.7			5F.9	(5C4 : 5D0) 90 : 10 : trace
						Medium greenish gray moderately to strongly calcarrous phyllite (?) is strongly PS_2 foliated, moderately chloritic and locally hosts altered metabasite bands from 10-50 cm wide. Metabasite hosts trace - 7% chloritized mafic minerals strongly stretched in a strong PS_2 fabric. Locally contacts are difficult to pick. Rocks are slightly soft and moderately to slightly broken. Upper contact is sharp and $\parallel S_2$ lower contact is gradational with a loss of chloritic alteration down hole.
	677.7	687.3			5B0	± 2 (5D0) 85 : 15
						Medium to medium dark gray, moderately to weakly calcareous phyllite is generally PS_2 foliated locally CS_2. Unit hosts 15-20% 5D0 wisps and bands from 1-3mm upto 80cm wide. All units are slightly hard, moderately to strongly broken and have good recovery. Phyllite is slightly carbonaceous and hosts 0-1% disty P.. Upper and lower contacts are gradational.

DDH 91DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: MAY '91 Logged By: J. Schedl

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	687.3	693.8			5B62	± → 3 (5B08 ± 1 ± → 4LO ± 5DO) 83:10:07
						Medium dark gray non-calcareous, rarely very weakly calcareous PS_2 foliated phyllite is weakly to moderately carbonaceous and hosts trace - 1% clotty P_o. Interval contains ~20% greenish gray PS_2 foliated moderately calcareous bands and wisps from 2 cm upto 2.0 metres wide. Locally green units are 5DO but commonly appear to be chloritized phyllite. "Chloritized phyllite" is sporadically weakly to moderately silicified and has trace - 1% clotty and disseminated P_y. Rocks are generally slightly soft, strongly to moderately broken and has good recovery. Upper contact is gradational. Lower contact is sharp and // S_2.
	693.8	697.1			5B2	± 1 → 5A0 ± 1 (5DO) trace
						Dark gray locally black very weakly calcareous PS_2 foliated phyllite is commonly slightly silicified. Unit hosts 2-3% clotty and disseminated P_o. Wisps and bands < 1.5 cm wide of 5DO are very sporadic and rare. Rock is slightly to moderately hard moderately broken and has good recovery. Upper contact is sharp and // S_2. Lower contact is gradational over 2-3 cm.

DDH 91DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: MAY '91 Logged By: E. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
	697.1	709.9			582	→ SAO
						Dark gray and black very weakly calcareous, moderately carbonaceous PS foliated phyllite hosts trace-1% clotty and disseminated Po. Locally unit is very strongly broken with sporadic gouge. Strongly broken intervals are upto 2.0m wide and are moderately soft. In general unit is slightly hard to slightly soft, moderately to strongly broken and has good recovery. Upper contact is gradational over 2-3cm with rock becoming softer and very strongly broken down hole.
		709.9				END OF HOLE !!

DDH 91-04-05 CURRAGH RESOURCES INC. Page 80 of

ASSAY LOG (SAMPLER'S COPY) Date Feb. 24/91 Logged by D. Halliwell Sampled by R. Wright

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	4308	4317	653811			5B4	→4LØ (4C7)
	4317	4321	3812			4CØ	(4C7)
	4321	4330	3813			5B4	→4LØ (5C4)
	4330	4343	3814			4EØ	(4CØ)
	4343	4369	3815			5B4	→4LØ (5C4)
	4369	4377	3816			5C4	(5F4)
	4377	4398	3817			4G8	&47
	4398	4406	3818			4G84	&71 (4LØ)
	4406	4421	3819			5CA	→4LØ (5C14→4L1: 4HØ:1ØØ)
	4421	4435	3910			4E7	
	4435	4461	3911			5C46	→4LØ (5C846)
	4513	4525	3912			5C67	(5F67: 5C17)
	4525	4537	3913			4KØ	(4K7: 4EØ)
	4537	4553	3914			4K87	&46
	4553	4565	3915			4K4	
	4565	4577	3916			4KØ	(4CEØ)
	4577	4584	3917			4K7	(4GØ→4EØ)
	4584	4590	3918			4KØ	(4GØ:1ØØ)
	4590	4612	3919			4LØ	&14
	4612	4616	4010			4CE4	(4LØ)
	4616	4633	4011			4E48	→4G48
	4633	4645	4012			4E48	→4G48
	4646	4654	4013			4CE8	
	4654	4664	654014			5B4	(5B146)

DDH 91DY-05 CURRAGH RESOURCES INC. Page 81 of

ASSAY LOG (SAMPLER'S COPY) Date Feb. 21/91 Logged by D. Halliwell Sampled by R. Wright

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	5432	5437	653588			5A6	~~5826~~ (10Q#) 80:20
	5437	5441	3589			5A6$	k# NOT 5A4
	5441	5444	3610			4#B	(5A6$
	5444	5451	3611			4D44	&8
	5451	5460	3612			5A6$	(4B4 or 5F6) 80:20
	5460	5480	3613			5A6$	(4B4 or 5F6) 80:20
	5480	5492	3614			4A14	~~5869~~ (4L19:5F6) 65:30:05
	54912	54925	3615			5A6	
	5495	54999	3616			5A69	
	54999	55009	3617			5B4	4A4
	55009	55024	3618			4L14	(4L148) 80:20
	55024	55536	3619			5C46	(5C76:5F46:4D8) 45:40:10:05
	55536	55547	3710			5C46	(5C76:5F46:4A4) 45:40:10:05
	55547	55551	3711			5A61	
	55551	55582	3712			5C7	(10Q$) 90:10
	55582	55590	3713			5A6	
	55590	55594	3714			5C7	(5A6) 70:30
	55594	56007	3715			5A6	k1
	56007	56133	3716			5F46	
	56133	56221	3717			5A61	(10Q) 90:10
	56221	56288	3718			5C6	&2 (5C0:5F46:4L0) 60:25:15
	56288	56333	653719			5C6	&2 (5C0:5F46:4L0) 60:25:15
	57955	58055	653810			5A69	

C.R.I. 1987 E-5

DDH 91DY-05 CURRAGH RESOURCES INC. Page 82 of _____

Logged by D. Halliwell

ASSAY LOG (SAMPLER'S COPY) Date Feb 18/91 Sampled by _____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	5849	5856	653229			4E4	(4G4)
	5856	5865	3310			4G0*	
	5865	5877	3311			4G0	
	5877	5882	3312			5A61	
	5882	5885	3313			4C4	
	5885	5900	3314			4D4	
	5900	5905	3315			4C4	
	5905	5916	3316			4G4	
	5916	5922	3317			4G44	
	5922	5927	3318			4C48	
	5927	5950	3319			5A6	
	5950	5955	3410			4A4	NO RIBBON BANDING
	5955	5958	3411			4D4	
	5958	5965	3412			4G48	
	5965	5971	3413			5C1A	(4K8&7)
	5971	5977	3414			4G44	
	5977	5980	3415			5C41	(4E4)
	5980	5992	3416			4D4	
	5992	5998	3417			4D44	
	5998	6015	3418			4G4	→ 4E4
	6015	6037	3419			5A6	(5B26)
	6037	6044	3510			5B46	→ 4L0
	6044	6046	3511			4H84	
	6046	6058	3512			10E9	(10Q)
	6058	6063	3513			5B16	
	6063	6067	3514			4H0	
	6067	6070	3515			10C99	
	6070	6075	3516			4K0	
	6075	6081	653517			4E04	

DDH 91AY-05 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: MAY '91 Logged By: J Zbeelnuk

Code	From	To	Feature	Sym	$S_0 \perp S_3$ Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		209.2	CS2	S	025	27 040	70	
		241.9	CS2	Z	010	12 153	75	
		334.8	CS2	Z	084	27 265	81	
		391.3	CS2	S	130	20 340	84	
		450.0	CS2	Z	034	24 253	77	
		511.5	CS2	Z	150	17 147	77	
		551.7	PS2		140	—	80	
		581.7	PS2	S	068	26 070	82	
		681.4	CS2	Z	120	20 095	78	
		711.8	CS2	Z	038	14 204	84	
		781.6	CS2	Z	—	23 185	75	Weak S_2
		851.4	CS2	Z	140	17 120	81	
		891.7	CS2	Z	110	37 115	70	
		921.7	CS2	Z	005	40 205	72	
		991.7	PS2		—	—	55	
		1051.6	PS2		—	—	78	
		1101.9	PS2		060	—	73	
		1161.4	PS2		112	—	78	
		1221.5	PS2		105	—	82	
		1291.4	PS2		—	—	77	
		1361.7	CS2	S	068	20 320	72	
		1401.8	CS2	S	070	14 025	70	
		1444.0	CS2	S	070	15 040	78	
		1532.2	CS2	Z	055	11 235	75	
		1571.1	PS2		—	—	80	
		1635.5	PS2		—	—	72	
		1661.1	PS2	Z	034	17 162	83	
		1729.1	CS2	Z	—	22 133	73	
		1770.0	CS2	S	055	10 025	75	
		1833.7	CS2	S	170	18 020	75	
		1903.3	PS2	S	085	—	60	
		1944.3	CS2	S	015	30 090	70	
		2040.0	CS2	Z	—	20 222	72	
		2091.0	PS2		120	—	80	
		2112.8	CS2	S	065	17 065	75	
		2191.4	CS2	S	013	20 090	78	

DDH 91DY-05 (2 — 8)

CURRAGH RESOURCES INC.
Structural Log

Date: MAY '91 Logged By: D. Zscalwt

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
		224.2	CS2	S	13D	20 3,2H	78	
		231.0	CS2	S	13D	20 325	78	
		235.3	CS2	S	00B	20 33H	72	
		242.7	PS2		04D		72	
		249.8	CS2	Z		12 16D	74	
		253.6	CS2	Z		25 222	83	
		260.9	CS2	Z		20 270	84	
		264.4	CS2	Z		15 245	88	
265.5	294.8							MSSV DIORITE
		297.1	CS2	Z		09 215	80	
		302.8	CS2	Z	04D	25 225	73	
		311.7	CS2	S	025	27 035	75	
		31H.3	CS2	S	02B	25 033	86	
		322.7	PS2		017		80	
		324.9	CS2	S	05D	25 020	65	
		330.4	CS2	S	17D	20 020	70	
		337.6	PS2		160		74	
		345.0	PS2		175		75	
		348.3	PS2		145		81	
		357.0	PS2		157		74	
		359.4	CS2	Z	175	21 165	75	
		367.9	CS2	S	17D	20 327	74	
		370.2	PS2		168		74	
		376.0	PS2		02D		55	
		384.5	PS2		030		78	
		391.2	PS2				80	
		399.6	CS2	S	012	24 020	62	
		407.9	PS2		053		72	
		411.3	PS2		155		72	
		416.6	PS2		107		79	
		424.0	CS2	S	074	14 023	74	L_4 => 040° with S_2
		426.3	CS2	S	050	22 030	81	
								Cont'd ↓

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DDH 91-DY-05 (2 / 8) CURRAGH RESOURCES INC.

Structural Log

Date: Feb. 24/91 May '91 Logged By: D. Halliwell

Code	From	To	Feature	Sym	S_0 Dip	S_0 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	[illegible]	[illegible]	CS2	S	-	023	21	352	77		
S	437.3	CS2	S	-	032	43	356	78			
S	441.7	PS2	-	-	-	-	-	84		5C4	
S	448.5	CS2	Z	-	089	75	270	77			
S	450.1	CS2	S	-	046	25	014	80			
S	459.9	CS2	Z	-	060	53	080	59			
S	463.6	CS2	S	-	045	67	302	79			
S	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]		[illegible]		
	470.7	CS2	S		062	25	052	78			
	471.6	PS2			-	-	-	83			erratic S_1
	477.4	CS2	Z		056	23	185	75			weak S_2
	483.6	PS2			076	-	-	73			
	492.1	CS2	S		097	20	285	69			Suspect S_1 dip direction ± 180°
	495.8	CS2	Z		075	24	241	70			
	503.3	CS2	S		-	-	30	060	72		
	508.0	CS2	Z		074	23	260	80			
	513.7	PS2			-	-	-	60			
	519.5	CS2	S		060	24	910	60			
	523.0	CS2	S		-	-	15	336	85		Slightly erratic S_2
	531.6	CS2	Z		156	16	166	67			weak S_2
	535.5	CS2	S		-	-	13	331	82		

DDH 91DY-05 (2 / 8) CURRAGH RESOURCES INC.

Structural Log Date: Feb. 21/91 Logged By: D. Halliwell

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		5412	CS2Z	—	039	202	79	
S		5505	CS2S	—	045	57 008	67	
S		5533	CS2S	—	117	230	77	
S		5609	CS2Z	—	053	100	87	
S		5682	CS2Z	—	048	67 088	75	
S		5724	CS2S	—	331	41 319	80	
S		5799	CS2Z	—	089	38 233	74	

CONTINUED ON NEXT PAGE

DDH 91DY-05 (2 8) CURRAGH RESOURCES INC. Structural Log

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Date: Feb. 19/91 Logged By: D. Hallinan

Code	From	To	Feature	Sym	S_0 Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
	10 14	16 20	22 24	26	28	32	34	38	40	44	
S		571.9	CS2	S	—	154	31	000	64	—	
S		576.0	CS2	S	—	028	58	097	67	—	
S		583.3	CS2	Z	—	027	34	223	63	—	
S		587.8	CS2	Z	—	047	34	223	81	—	
S		592.8	CS2	S	—	175	63	090	73	—	
S		597.7	PS2	—	—	—	—	—	83	—	
S		603.2	CS2	Z	—	037	27	226	68	—	
S		609.4	CS2	S	—	146	53	320	75	—	
		610.2	CS2	M		—			82		Fz Fold
		619.0	PS2			047			80		
		625.0	CS2	S		—	22	015	70		
		627.0	CS2	Z		—	22	202	72		
		634.4	CS2	Z		—	17	110	65		
		639.9	PS2			168			80		
		644.6	PS2			—			60		
		651.9	PS2			045			65		
		656.4	PS2			050			53		
		659.6	PS2			003			60		
		669.1	CS2	S		020	15	060	66		
		674.0	PS2			068			70		
		680.0	CS2	S		—	21	033	75		suspect S_1
		684.9	PS2			098			73		
		690.4	PS2			—			63		
		696.4	PS2			068			71		
		700.9	CS2	Z		065	39	190	58		
		708.2	PS2			—			75		
											EOH @ 709.9

DDH 91DY-05 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Page 88 of _____

Date: MAY 91 Logged By: B. Scedroff

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	
	133.8	134.2	GB3			24 350		
	147.3	149.1	B3G		370 005			
	149.1	150.5	B2					
	150.5	150.9	B3					
	150.9	152.8	B2					
	152.8	153.3	B2G					
	153.3	156.3	B2					
	156.3	156.9	B3G					
	156.1	161.3	B2					
	161.3	161.7	B3G					
		198.3	SG3			20 015		0.5cm gouge / shear
	199.9	201.8	B3G			30 020	12 005	
	213.3	213.7	B2G			15 340		
	238.1	238.6	B3G			18 025		5 bands @ 205/05
	242.3	242.9	GB3			27 203		
	242.9	244.3	B1G			17 062	40 025	
	250.0	259.1	B1G					
	271.3	276.1	B2G					
	286.5	294.0	B1X			15 210		discont. fractures - tension gashes?
		222.0	CS2			30 165		well healed - 3cm
	240.0	240.4	X2			12 037		healed @ calcite
		249.8	SG2			07 305		0.5cm wide

DDH 91DY-05 (2 8) CURRAGH RESOURCES INC.

Fault Log

Date: MAY '91 Logged By: I. Spectral

Code	FROM (10–14)	TO (At) (16–20)	Feature (22–24)	REC. (26)	UPPER Dip Direct (28–32)	INTERNAL Dip Direct. (34–38)	LOWER Dip Direct (40–44)	Description
		24.8 2	S2G			20 297		poorly healed
	252. 1	252. 4	B3					
	256. 7	257. 8	X2			10 120		healed
		258. 1	S2G			30 290		poorly healed
	258. 5	X58. 9	B3G					
	269. 9	270. 4	B3G			10		
	288. 2	292. 6	B3			20		
	292. 6	297. 6	B3G			08		
	323. 1	323. 4	G3		18 285		25 967	
		374. 7	S2			25 025		microshear well healed
	377. 6	379. 5	B2G					rare gouge 11S2
	380. 6	391. 8	B3G					sporadic gouge 11S2
	305. 8	306. 0	G3		20 284			
	420. 3	422. 4	B3					
								cont'd ↓

DDH 91-DY-05 (2 / 8) CURRAGH RESOURCES INC. Page 90 of _____

Fault Log Date: Feb 24/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	4283	4289	2B					Rubbly to blocky. Upper, lower contacts at CA70°, CA76°, respectively. ~~healed shear~~
F	4287	4288	2G			60 050		Clay-chlorite gouge at CA69° Fault plane at 050°/60° w.r.t. S_2 strike.
	~~4289.5~~	4291.5			15 336	~~healed shear~~		healed shear.
F	4424	4434	3BX			78 035		Blocky brecciated core at CA0°-5° Upper, lower contacts at CA12°, CA6°; respectively. Fracture plane at 035°/78° w.r.t. S_2 strike.
F	4435	4443	3B					Blocky. Upper, lower contacts at CA60°, CA71°; respectively
F	4442	4443	2G			38 005		Clayey gouge (0.05m wide). Upper, lower contacts at CA49°, CA27°; respectively. Fault plane at 005°/38° w.r.t. S_2 strike.
F	4553	4559	2BV					Blocky. Vuggy. Upper, lower contacts at CA68°, CA73°; respectively.
F	4564	4567	2B					Blocky. Upper, lower contacts at CA85°, CA30°; respectively.
	4891.0	4891.7	R3G					crushed
	5031.9	5041.8	B2G					
	5091.7	5131.6	B2					
	5141.2	5141.5	G3		12 928			
	5141.2	5161.6	B2G					
	5410.1	5410.3	B3G			28		minor gouge

DDH 91DY-05 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Feb. 21/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	542.8	543.0	1B					Blocky. Upper, lower contacts at CA 71° (thin), CA 60°. Graphitic gouge.
F	556.0	558.5	3R					Rubbly. Upper, lower contacts at CA 85°, CA 60°; respectively.
F	558.3	558.4	2G					Graphitic gouge at CA 81°. Impossible to measure attitudes w.r.t. S_2 strike.
F	560.2	560.4	2B,R					Blocky-rubbly. Upper, lower contacts at CA 74°, CA 74°; respectively. Graphitic narrow gouge.

DDH 91DY-05 (2 / 8)

CURRAGH RESOURCES INC.

Fault Log

Date: Feb 20/91 Logged By: D. Halliwell

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F		5849	1B					Blocky. Upper, lower contacts at CA 75°; CA 62°; respectively
F	5867	5869	1B					Blocky. Upper, lower contacts at CA 84°, CA 84°; respectively.
F		5935	1B		20 088			Blocky. Graphitic. Upper, lower contacts at CA 20°, CA 55°; respectively. Vuggy nearby in quartz-dolomite ± calcite vein at CA 20°. Fault plane at 088°/20° to S_2 strike
F	6017	6023	2B					Blocky (poker chips). Upper, lower contacts at CA 60°, CA 45°, respectively.
F	6077	6080	2B					Blocky. Upper, lower contacts at CA 81°, CA 60°; respectively
F	6137	6139	1B					Blocky. Upper, lower contacts at CA 19°, CA 57°; respectively
	662.5	662.7	XBG			24 040		weak breccia - open @ gouge
	636.5	639.3	BBG			15 247		// S_2 common. Locally gouge at low L_s to C.A. slickensides indicate subhorizontal movement (74° w/r C.A.)
	642.8	644.3	BBG					// S_2
	681.2	684.2	B2					// S_2
	697.1	701.4	BBG					Talc Gouge // S_2
								EOH @ 709.9

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres Date: MAY '91 Logged By: J. Sexton Page 93 of

A

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
1																			
18.3																			CASING
20.3	2.0	1.6	R_2	11	2									18	12	10	S	NQ	
21.0	0.6	0	R_2	6	2					2	16	10	J	18	12	10	S		
24.9	3.9	3.3	R_2	11	1	1	16	10	J	1	16	10	J	22	12	6	S		
27.4	2.5	0.3	R_2	7	1	2	16	6	J					34	12	6	S		
33.6	6.2	3.6	R_2	10	1									61	12	6	S		
34.2	0.8	0	R_2	5	1	3	12	16	G	1	12	10	J	20	10	10	S		minor gouge on low ∠ fracs.
38.7	4.5	2.8	R_2	10	1	1	16	6	J	1	14	6	J	44	12	6	S		
43.0	4.3	3.2	R_2	10	1	1	12	6	J	3	16	10	J	37	12	6	S		
45.9	2.9	1.5	R_2	10	1	1	16	6	J					39	8	6	S		
47.3	1.4	0.8	R_2	10	1	1	16	6	J	1	8	6	J	15	8	6	S		
49.1	1.7	0	R_1	2	2	2	12	10	J	4	10	16	G	37	10	16	S/G		moderate gouge throughout
50.4	1.3	0	R_2	7	2									37	12	6	S		
51.0	0.4	0	R_2	3	1	1	14	10	J	3	12	6	J	19	10	6	S		
52.8	1.8	0.3	R_2	9	1									27	10	6	S		
53.3	0.5	0	R_2	3	1	2	14	10	J					14	10	10	S		
54.0	0.7	0.3	R_2	7	1					1	14	6	J	13	12	6	S		minor gouge
54.4	0.4	0	R_1	2	1					2	14	10	J	14	10	16	S		crushed @ gouge
54.9	0.5	0	R_2	9	1	1	16	6	J					9	10	6	S		
55.5	0.6	0	R_2	5	1	6	16	6	J					2	10	6	S		strongly broken NO gouge
56.3	0.8	0.1	R_2	9	1					2	14	6	J	13	10	6	S		very rare gouge
56.9	0.5	0	R_2	3	1					3	16	16	J	36	10	6	S		
58.0	1.1	0.2	R_2	7	1					3	10	10	J	30	10	6	S		
58.6	0.6	0	R_2	6	1					2	10	6	J	16	10	6	S		
60.3	1.7	0.6	R_2	7	1					3	14	6	J	27	12	6	S		minor crushed zones (<1cm)
60.7	0.4	0	S_2	1	1														Gouge @ crushed rock
62.8	2.1	1.4	R_2	10	1	2	16	6	J					23	12	6	S		
65.5	2.7	0.4	R_2	7	1					1	12	10	J	39	10	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres Date: MAY '91 Logged By: S. Blackwell Page 94 of B

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
68.2	2.7	2.0	R_2	11	1									21	12	6	S	NQ	
72.3	4.1	2.3	R_2	12	1	3	16	10	J					26	12	6	S		
73.1	0.8	0	R_2	5	1	2	18	6	J	2	12	16	G	18	10	10	S		
73.7	0.6	0.1	R_2	7	1									10	10	6	S		
74.8	1.1	0	R_2	5	1	2	18	6	J					23	10	10	J		minor gouge
77.8	3.0	2.6	R_2	12	1	1	16	6	J					19	12	6	S		
81.7	4.1	0.7	R_2	7	1	7	14	6	J	3	12	10	J	38	12	10	S		minor gouge
86.6	4.9	4.3	R_2	12	1									27	12	6	S		
89.6	3.0	2.1	R_2	11	1									30	12	6	S		
90.5	0.9	0.8	R_2	11	1					2	12	10	J	5	12	6	S		
92.4	1.9	0.2	R_2	6	1	1	12	16	G					34	10	10	S		minor gouge
95.5	3.1	1.0	R_2	7	1	1	16	6	J	3	14	6	J	30	12	6	S		
96.5	1.0	0.1	R_2	5	1	3	14	10	J					10	12	6	S		
97.4	0.9	0.4	R_2	7	1									8	10	6	S		
99.1	1.7	0.9	R_2	7	1	2	14	10	J	3	12	10	J	32	12	10	S		sporadic 3-5cm gouge bands
101.7	2.6	0.2	R_2	5	1	4	14	10	J					24	12	10	S		gouge coating common
108.3	7.4	3.9	R_2	10	1									75	8	6	S		
108.8	0.5	0	R_2	7	1									19	8	6	S		
113.2	5.6	1.2	R_2	9	1					4	12	6	J	48	10	6	S		
113.7	0.5	0	R_2	6	1	2	12	16	G					11	12	10	S		3cm gouge bed
115.2	2.5	0.9	R_2	9	1									19	12	6	S		
118.0	2.8	0.5	R_2	7	1	3	12	10	J					55	10	6	S		
119.7	1.7	0.8	R_2	9	1									25	12	6	S		
121.4	2.3	0.2	R_2	7	1	2	12	10	J					28	10	10	S		
123.3	1.9	1.3	R_2	10	1									22	12	6	S		
126.2	2.9	2.1	R_2	10	1									28	12	6	J		
127.0	0.8	0	R_2	5	1									21	12	10	S		minor gouge contact
128.7	1.7	0.8	R_2	7	1									18	14	10	S	V	"

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 9104-05

Units: Feet / Metres (128.7)

Date: MAY '91

Logged By: S. Zabrodin

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
130.2	1.5	0.9	R_2	11	1									17	12	6	S	NQ	
133.5	3.3	3.1	R_4	14	1	1	14	6	J					11	14	6	J		Qtz vn
136.1	3.4	0.6	R_2	9	1									34	12	6	S		
138.0	1.9	1.6	R_2	11	1	3	12	6	S					17	12	6	S		
138.7	0.7	0	R_1	1	1														Crushed and gouge
142.3	3.6	2.9	R_2	11	1									30	12	6	S		
143.0	0.5	0	S_2	1	1														Gouge & crushed rock
143.9	0.9	0.2	R_2	7	1					1	12	16	G	15	12	10	S		
144.6	0.7	0	R_2	5	1	3	12	10	J/G					14	12	10	S/G		
148.1	3.5	3.0	R_2	11	1	2	10	6	S					26	12	6	S		
150.1	2.0	1.0	R_2	8	1	2	14	6	J					21	12	6	S		
151.5	1.4	0.4	R_2	7	1	1	14	6	J					17	12	6	S		
154.5	3.0	0.8	R_2	7	1	2	14	6	J					35	12	6	S		
156.1	1.4	0.9	R_2	10	1									15	12	6	S		
160.4	4.3	1.3	R_2	7	1	2	14	6	J					50	12	10	S		
163.3	2.9	2.7	R_2	12	1									15	12	6	S		
164.0	0.7	0.1	R_2	7	1									9	8	6	S		
169.2	5.2	4.3	R_2	11	1									40	8	6	S		
170.5	1.3	0.5	R_2	7	1									16	10	6	S		
171.3	0.8	0.7	R_2	12	1									5	10	6	S		
172.8	1.5	0.2	R_2	7	1					8	12	6	J	16	10	6	S		
176.1	3.3	0.7	R_2	7	1					4	10	16	G	47	10	6	S		
179.7	1.6	1.2	R_2	10	1	2	12	16	G					16	12	6	S		
179.3	1.4	0.9	R_2	11	1	1	12	16	G					11	14	10	S		
185.0	4.7	3.8	R_2	11	1									37	12	6	S		
191.1	5.9	5.6	R_2	14	1	2	16	6	J					25	14	6	S		
197.2	6.1	5.8	R_2	14	1									27	12	6	S		
199.6	2.4	2.2	R_2	11	1									16	12	6	S	V	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91D4-05

Units: Feet / Metres Date: MAY '91 Logged By: J. Escott Page 96 of

199.6

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
200.3	0.7	0	R_2	7	1	1	14	10	G	1	10	16	G	9	12	6	S	NQ	
204.8	4.5	4.3	R_2	13	1	—	—	—	—	—	—	—	—	24	12	6	S		
206.4	1.6	0.7	R_2	9	1	—	—	—	—	—	—	—	—	19	12	6	S		
209.4	3.0	2.4	R_2	11	1	—	—	—	—	—	—	—	—	23	12	6	S		
211.0	1.6	0.3	R_2	9	1	—	—	—	—	—	—	—	—	18	10	6	S		
215.5	4.5	3.9	R_2	12	1	—	—	—	—	2	14	6	J	29	12	6	S		
220.9	5.4	4.9	R_2	12	1	—	—	—	—	—	—	—	—	28	10	6	S		
223.9	3.0	2.3	R_2	11	1	—	—	—	—	2	12	10	J	23	12	6	S		
225.1	1.8	0.7	R_2	9	1	—	—	—	—	—	—	—	—	20	12	6	S		
228.0	2.9	2.5	R_2	12	1	—	—	—	—	—	—	—	—	15	12	6	S		
230.6	2.6	0.2	R_2	7	2	2	16	6	J	6	12	16	J	30	10	6	S		minor gouge coatings
236.2	5.6	5.2	R_2	13	1	2	16	6	J	—	—	—	—	28	12	6	S		
240.9	4.7	3.3	R_2	11	1	1	12	6	J	—	—	—	—	29	12	6	S		
241.5	0.6	0	R_2	7	1	2	14	10	J	—	—	—	—	5	10	6	S		minor gouge on low ∠ frcts.
246.5	5.0	4.4	R_2	12	1	—	—	—	—	—	—	—	—	25	12	6	S		
248.0	1.5	1.4	R_2	10	1	—	—	—	—	2	14	6	J	9	12	6	S		
250.4	2.4	1.4	R_2	10	1	2	10	16	G	—	—	—	—	19	12	6	S		minor open slip
251.1	0.7	0.1	R_2	6	1	—	—	—	—	4	12	16	J	5	12	10	S		minor gouge on frcts
251.8	0.7	0.5	R_2	10	1	—	—	—	—	1	12	10	J	4	12	6	S		minor crushed rock
254.0	2.2	0.4	R_2	7	1	—	—	—	—	5	14	10	J	20	12	6	S		
258.4	4.6	4.3	R_2	11	1	2	12	10	J	—	—	—	—	18	12	6	S		minor slip.
259.3	0.9	0	R_2	5	1	1	16	6	J	—	—	—	—	10	12	10	S		locally crushed + gouge
260.1	0.8	0.4	R_2	10	1	—	—	—	—	1	14	6	S	5	12	6	S		
261.2	1.1	0.7	R_2	11	1	—	—	—	—	6	12	10	S	6	12	10	S		
262.2	1.0	0.9	R_3	12	1	—	—	—	—	—	—	—	—	5	12	6	S		Otz vn
262.7	0.5	0	R_2	5	1	1	12	10	J	1	12	10	J	12	12	10	S		minor gouge coating
264.5	1.8	1.3	R_2	10	1	—	—	—	—	—	—	—	—	15	12	6	S		
265.5	1.0	0.1	R_2/R_3	7	1	—	—	—	—	1	12	10	J	14	12	6	S	V	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres Date: MAY '91 Logged By: B. Sinclair Page 97 of

265.5

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
270.0	4.5	3.8	R_3	12	1	8	10	6	J	—	—	—	—	10	10	6	J	NQ	DIORITE DYKE
270.4	0.4	0	R_3	5	1	4	10	10	J	—	—	—	—	4	10	10	J		" " crushed
273.9	3.5	3.5	R_3	14	1	2	10	6	J	1	14	6	J	5	12	6	J		" "
275.3	1.4	0.9	R_3	10	1	5	10	10	J	—	—	—	—	12	12	6	J		± crushed dyke
284.0	8.7	7.9	R_3	14	1	3	12	6	J	13	14	6	J	11	14	6	J		Diorite
284.7	0.7	0.3	R_3	9	1	1	14	6	J	—	—	—	—	10	12	6	J		Diorite
288.2	3.5	2.7	R_3	10	1	10	12	6	J	—	—	—	—	13	10	6	J		Diorite
289.5	1.3	0.2	R_3	3	1	6	16	6	J	5	12	6	J	8	12	6	J		crushed / styl broken
290.7	1.2	0	R_3	3	1	9	10	10	J	7	14	10	J	3	12	10	J		trace gouge on fracs
291.5	0.8	0.4	R_3	10	1	2	18	10	J	7	14	10	J	—	—	—	—		" " " "
294.8	3.3	0	R_3	2	1	11	12	16	G	10	14	10	J	13	14	10	J		FAULT @ low ∠ to C.A.
297.6	2.8	0.5	R_2	3	2	3	16	10	J	3	12	10	J	32	12	10	S		Begin Phyllite ± crushed ± gouge
301.7	4.1	3.8	R_2	14	1	—	—	—	—	—	—	—	—	19	12	6	S		
302.3	0.5	0.1	R_2	7	1	—	—	—	—	—	—	—	—	11	12	6	S		
305.5	3.2	2.8	R_2	13	1	—	—	—	—	—	—	—	—	17	12	6	S		
306.1	0.6	0.5	R_2	11	1	—	—	—	—	2	12	16	G	1	12	6	S		minor gouge
310.0	3.9	3.1	R_2	11	1	—	—	—	—	2	10	6	J	22	12	6	S		
312.4	2.4	1.9	R_2	10	1	1	12	6	J	—	—	—	—	18	12	6	S		
317.6	5.2	4.7	R_2	13	1	—	—	—	—	—	—	—	—	27	12	6	S		very rare gouge coating
318.8	1.2	0.9	R_2	10	1	1	16	6	J	—	—	—	—	11	12	6	S		
323.1	4.3	1.8	R_2	9	1	3	16	6	J	2	12	10	J	52	12	6	S		
323.5	0.3	0	R_2	1	1	—	—	—	—	—	—	—	—	—	—	—	—		FAULT Gouge
324.8	1.3	0.6	R_2	9	1	—	—	—	—	—	—	—	—	17	10	6	S		
329.8	5.0	4.6	R_2	12	1	1	8	6	J	—	—	—	—	25	10	6	S		
330.5	0.7	0.4	R_2	10	1	—	—	—	—	—	—	—	—	9	12	6	S		
333.8	3.3	2.4	R_2	11	1	—	—	—	—	—	—	—	—	29	12	6	S		
334.1	0.3	0	R_2	3	—	—	—	—	—	—	—	—	—	17	12	6	S		
337.4	3.3	.0	R_2	11	1	1	18	6	J	—	—	—	—	22	12	6	S	V	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres (Metres)

Date: MAY '91

Logged By: S. Block

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337.4

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
338.4	1.0	0.6	R_2	10	1									9	12	6	S	NQ	
340.9	2.5	2.2	R_2	11	1									14	12	6	S		
341.3	0.3	0	R_2	3	1									18	10	10	S		
343.5	2.2	1.9	R_2	12	1	1	14	6	J	1	14	6	J	10	12	6	S		
345.1	1.6	0.6	R_2	9	1	1	14	6	J	3	12	6	J	15	12	6	S		
351.0	5.9	5.6	R_2	12	1									28	12	6	S		
352.5	1.5	1.1	R_2	10	1									14	10	6	S		
354.0	1.5	0.3	R_2	7	1									20	10	6	S		
354.3	0.2	0	R_2	3	1									10	10	10	S		10cm gouge
355.8	1.3	0.2	R_2	9	1	2	14	6	J	2	12	16	G	15	12	6	S		
361.6	5.8	3.6	R_2	11	1									48	10	6	S		locally ± mod-strongly broken.
362.8	1.2	0.2	R_2	7	1									22	10	6	S		
363.8	1.0	0.7	R_2	10	1	2	16	6	J					10	10	6	S		
364.9	0.9	0.1	R_2	7	2	1	16	6	J					18	10	6	S		
369.2	4.3	3.2	R_2	12	1	4	14	10	J					30	12	6	S		
373.9	6.7	5.8	R_2	12	1	2	16	6	J					31	12	6	S		
374.7	0.7	0	R_1	3	1					12	10	16	S						
377.6	2.9	2.4	R_2	11	1					4	12	6	J	19	12	6	S		
379.3	1.4	0.1	R_2	3	1	4	16	16	G					41	8	10	S		gouge coatings common.
380.7	1.4	1.2	R_2	11	1	1	16	10	J	14	14	10	J	7	12	6	S		
383.9	3.2	0.8	R_2	3	2					7	14	16	J/G	55	12	6	S		sporadic gouge
385.4	1.5	0.3	R_2	9	1									23	10	6	S		
386.8	1.4	0.3	R_2	6	1									30	10	10	S		
387.2	0.4	0	R_1	3	1	1	18	10	J					18	8	10	S		
389.0	1.8	0	R_2	6	1	3	14	6	J					44	10	6	S		
389.9	0.7	0	R_2	3	1	3	16	10	J					26	12	10	S		gouge common.
391.6	1.7	0.6	R_2	9	1									22	10	6	S		
397.2	5.6	5.3	R_2	12	1	1	10	6	J	1	12	16	J	30	12	6	S	V	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres (397.2) Date: MAY '91 Logged By: J. McLeod Page 99 of 67

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
401.7	4.5	4.3	R_2	13	1									17	12	6	S	NQ	
405.8	4.1	3.1	R_2	11	1					1	10	16	G	36	12	6	S		
406.0	0.2	0	S_1	1	1														Gouge
409.4	3.4	3.0	R_2	13	1									18	12	6	S		
414.7	5.3	4.8	R_2	13	1									29	12	6	S		
415.0	0.3	0	R_2	5	1	2	12	10	J					20	14	10	S		sporadic gouge bands
415.6	0.6	0.6	R_2	12	1									4	12	6	S		
417.1	1.5	0	R_2	6	1									28	12	6	S		
418.2	1.1	0.7	R_2	10	1									12	12	6	S		
418.7	0.5	0	R_2	7	1									11	12	6	S		
420.1	1.4	1.3	R_2	12	1									6	12	6	S		
422.0	1.9	0.5	R_2	7	1	3	14	6	J					37	10	6	S		
422.4	0.4	0	R_2	2	1									35	10	10	S		minor gouge seams
424.6	2.2	1.7	R_1	11	1	1	18	6	J					20	10	6	S		
424.9	0.3	0	R_2	6	1	2	12	6	J					13	10	6	S		
428.0	3.1	2.2	R_2	11	1	1	18	6	J					22	12	6	S		
428.9	0.8	0.1	R_2	3	1	2	14	10	J					19	12	10	S		Gouge is common in <2cm bands cont'd

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres Date: Feb. 22/91 Logged By: D. Halliwell Page 100 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES Mrt. CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
~~428.9~~	~~2.7~~	~~1.6~~	~~R2~~	~~10~~	~~1~~	~~2~~	~~14~~	~~10~~	~~J~~	~~3~~	~~16~~	~~10~~	~~J,S~~	~~29~~	~~12~~	~~6~~	~~S~~	NQ	~~clay-chlorite fault gouge~~
431.9	3.0	1.8	R2	12	1	0	–	–	–	3	14	10	J,S	24	13	7	S		
434.9	3.1	2.4	R2	13	1	0	–	–	–	3	14	10	J	20	12	8	S		
438.0	3.1	2.8	R3	14	1	0	–	–	–	3	16	10	J	11	12	10	S		
441.0	3.0	3.0	R4	14	1	0	–	–	–	0	–	–	–	8	13	10	S,J		
444.0	3.1	1.9	R3	10	1	2	12	10	J	2	14	10	J	30	12	6	S		
447.1	3.1	1.5	R3	12	1	0	–	–	–	1	10	10	G	31	12	6	S		clayey fault gouge
448.4	1.3	0.6	R2	12	1	0	–	–	–	0	–	–	–	10	12	10	S		
451.4	3.1	1.5	R3	12	1	0	–	–	–	0	–	–	–	25	12	7	S		
452.5	1.1	0.4	R3	12	1	0	–	–	–	0	–	–	–	11	12	10	S		
455.7	3.1	2.2	R4	13	1	3	14	10	J	0	–	–	–	22	13	8	S		
458.7	3.1	2.0	R3	12	1	2	14	10	J	2	16	10	J	19	12	8	S		
461.8	3.2	2.1	R3	12	1	2	16	10	J	2	14	10	J	23	13	8	S		
464.8	3.1	2.8	R4	13	1	1	15	10	J	1	14	10	J	13	12	10	S		
467.9	3.1	1.9	R2	12	1	1	17	10	J	3	14	10	J	21	13	8	S		
471.1	3.1	2.9	R2		1	0	–	–	–	0	–	–	–	8	12	10	S		
X	X	X	X																
474.6	3.5	3.5	R_2	14	1									10	12	6	S		
479.1	4.5	4.3	R_2	14	1									11	12	6	S		
479.6	0.5	0	R_2	7	1									8	12	10	S		
481.6	2.0	1.6	R_2	11	1									13	12	6	S		
482.4	0.8	0.2	R_2	7	1									13	12	6	S		
482.6	0.2	0	R_2	3	1					1	12	6	J	4	12	16	G		
488.5	5.9	5.3	R_2	12	1	2	14	6	J					29	12	6	S		
489.0	0.5	0.1	R_2	9	1									6	12	6	S		
489.7	0.6	0	R_2	3	2														crushed, minor gouge through
491.0	1.3	0.5	R_2	9	1	3	18	6	J	1	18	6	J	11	12	6	S		
496.4	5.4	5.0	R_2	14	1									19	12	6	S		
500.4	4.0	3.6	R_2	12	1	2	16	6	J	1	16	6	J	11	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres (circled) Date: MAY-'91 Logged By: R. Zed Page 101 of

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
503.9	3.5	2.9	R_2	12	1									18	12	6	S	NQ	
504.8	0.9	0.1	R_1	5	2	—	—	—	—	2	10	16	J	6	10	16	G		moderate gouge
505.6	0.8	0.1	R_2	9	1	—	—	—	—	—	—	—	—	10	12	6	S		
506.1	0.5	0	R_2	7	1	—	—	—	—	—	—	—	—	20	12	10	S		trace gouge coatings
509.7	3.6	2.3	R_2	10	1	—	—	—	—	—	—	—	—	40	10	6	S		
513.6	3.5	0.2	R_2/R_1	6	2	3	16	10	J	5	12	10	J	67	10	10	S		minor gouge coatings
514.2	0.6	0.5	R_2	11	1	—	—	—	—	—	—	—	—	4	12	6	S		
514.5	0.3	0	S_2	1	1	—	—	—	—	—	—	—	—	—	—	—	—		Gouge band
515.6	1.1	0.3	R_2	9	1	2	14	10	J	7	12	16	S	3	12	10	S		sporadic gouge coatings
516.6	1.0	0.4	R_2	7	1	2	18	6	J	—	—	—	—	19	12	6	S		
519.1	2.5	1.8	R_2	11	1	—	—	—	—	4	12	6	S	17	12	6	S		
520.2	1.1	0.4	R_2	7	1	—	—	—	—	23	12	6	S	—	—	—	→		
522.0	1.8	1.3	R_2	10	1	←	—	—	—	19	12	6	S	—	—	—	—		
523.4	1.4	0.2	R_2	7	1	—	—	—	—	6	10	6	S	11	10	6	S		10cm crushed @ 522.1
524.7	1.3	0.5	R_2	9	1	—	—	—	—	—	—	—	—	11	10	6	S		
525.5	1.8	0.2	R_2	7	1	—	—	—	—	—	—	—	—	16	10	6	S		
533.3	7.8	7.0	R_2	11	1	—	—	—	—	—	—	—	—	41	12	6	S		
538.9	5.6	5.0	R_2	11	1	—	—	—	—	—	—	—	—	29	12	6	S		
540.1	1.2	0	R_2	7	1	1	12	6	J	10	12	6	S	18	12	6	S		
540.3	0.2	0	R_2	5	1	—	—	—	—	17	10	10	S	—	—	—	—		minor gouge @ crushed rock
543.2	2.9	0.4	R_1	7	1	—	—	—	—	3	14	6	S	47	12	6	S		

CURRAGh RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres Date: Feb. 21/91 Logged By: D. Halliwell Page J 102 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
~~546.6~~	~~0.3~~	~~0.1~~	~~R2~~	~~7~~	~~1~~	~~0~~	~~-~~	~~-~~	~~-~~	~~4~~	~~13~~	~~10~~	~~S~~	~~17~~	~~12~~	~~6~~	~~S~~	NQ	
~~546.8~~	~~0.2~~	~~0.6~~	~~R2~~	~~11~~	~~1~~	~~0~~	~~-~~	~~-~~	~~-~~	~~0~~	~~-~~	~~-~~	~~-~~	~~11~~	~~12~~	~~10~~	~~S~~		
~~548.2~~	~~1.6~~	~~0.4~~	~~R2~~	~~9~~	~~1~~	~~1~~	~~16~~	~~10~~	~~J~~	~~2~~	~~15~~	~~10~~	~~J~~	~~31~~	~~12~~	~~6~~	~~S~~		
546.2	3.1	1.7	R3	12	1	1	16	10	J	3	16	10	J	44	13	3	S		
549.2	3.1	1.0	R2	11	1	1	16	10	J	3	14	10	J	59	14	3	S		
552.3	3.0	0.7	R2	12	1	1	16	10	J	2	15	10	J	53	14	3	S		
555.3	3.1	0.9	R2	9	1	0	-	-	-	2	14	10	J	60	12	2	S		
557.6	1.2	0.1	R3	9	1	1	12	10	J	1	16	10	J	30	12	6	S		
558.1	0.5	0.0	R2	5	2	1	14	10	J	2	14	10	S	19	12	8	S		
561.1	3.1	0.4	R2	7	1	1	16	10	J	4	15	10	J	64	12	2	S		
563.2	2.3	0.9	R3	10	1	1	16	10	J	1	16	10	J	35	12	6	S		
566.0	2.8	1.4	R3	11	1	1	16	10	J	4	16	10	J	21	12	8	S		
569.1	3.1	1.8	R2	12	1	2	16	10	J	6	14	10	J	32	12	6	S		
572.1	3.1	1.2	R2	11	1	0	-	-	-	6	14	10	S	33	12	6	S		
575.2	3.1	2.2	R2	12	1	0	-	-	-	1	16	10	J	19	12	6	S		
578.2	3.0	1.8	R2	12	1	0	-	-	-	2	14	10	S	30	12	6	S		
	~~1.7~~	~~1.2~~	~~R2~~	~~13~~	~~1~~	~~0~~				~~11~~	~~14~~	~~10~~	~~S~~	~~9~~	~~12~~	~~10~~	~~S~~		

CONTINUED ON NEXT PAGE

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91-DY-05

Units: Feet / Metres Date: FEB 18/91 Logged By: DRH/RW Page 103 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
569.1	+0.5	+0								7+				34+				NQ	
572.1	3.0	1.3	R2	10	1	0	—	—	—	2	13	10	S	47	12	3	S		
575.2	3.1	2.6	R2	13	1	0	—	—	—	0	—	—	—	19	12	10	S		
~~578.0~~	~~3.0~~	~~1.6~~	~~R2~~	~~14~~	~~1~~	~~0~~	~~—~~	~~—~~	~~—~~	~~1~~	~~14~~	~~10~~	~~S~~	~~32~~	~~12~~	~~6~~	~~S~~		
581.3	2.8	1.7	R2	13	1	0	—	—	—	2	14	10	S	22	12	8	S		
584.3	3.1	1.7	R2	14	1	0	—	—	—	2	15	10	J	29	12	6	S		
587.3	3.0	1.2	R3	12	1	2	15	10	J	3	13	10	J	37	14	5	S		
590.4	3.1	1.5	R3	12	1	2	15	10	J	2	15	10	J	27	12	6	S		
593.4	3.0	2.4	R3	13	1	2	16	10	J	3	15	10	J	15	12	10	S		
596.5	3.0	1.1	R2	11	1	2	15	10	J	1	15	10	J	35	12	6	S		
599.5	3.0	2.5	R3	14	1	0	—	—	—	0	—	—	—	17	12	9	S		
602.3	2.8	1.1	R2/R3	8	1	3	15	10	J	3	12	10	S	52	11	3	S		
605.5	3.0	1.5	R2/R3	9	1	0	—	—	—	5	12	10	S	36	13	6	S		
608.4	3.0	1.7	R3	9	1	1	15	10	J	4	14	10	J,S	26	13	6	S		
611.4	3.0	2.1	R2	12	1	1	15	10	J	3	14	10	J,S	22	12	8	S		
613.2	1.8	1.3	R_2	12	1	6	16	10	J	4	14	6	J	6	12	6	S		
620.0	6.8	6.7	R_2	14	1					2	14	6	J	10	12	6	S		
623.6	3.6	3.3	R_2	12	1	1	14	16	G					17	12	6	S		
624.1	0.5	0	R_2	9	1									9	10	6	S		
627.7	3.6	3.3	R_2	13	1	1	12	6	J	1	16	6	J	12	12	6	S		
628.3	0.6	0.3	R_2	7	1					3	14	6	J	5	12	6	S		
630.7	2.4	1.9	R_2	11	1					3	14	6	J	11	12	6	S		
631.4	0.7	0.2	R_2	7	1	1	16	6	J	2	12	10	J	10	10	6	S		
636.4	5.0	3.6	R_2	11	1					3	12	10	J	45	12	6	S		
637.3	0.9	0	R_2	7	1					2	10	16	G	26	12	6	S		very rare gouge (2cm wide)
637.8	0.5	0	R_2	5	1	3	12	16	G					19	10	10	S		
639.2	1.4	0	R_2	5	1	1	14	6	J	3	10	16	G	39	10	10	S		common gouge coatings
640.5	1.3	0.3	R_2	7	1					1	14	6	J	17	10	6	S		
642.8	2.3	1.9	R_2	11	1									14	12	6	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91D4-05

Units: Feet / Metres (642.8) Date: MAY '91 Logged By: S. Zbeetnoff Page 104 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
643.9	1.1	0.2	R_2	7	1	1	10	10	J	—	—	—	—	20	12	10	S	NQ	
645.0	1.1	0.7	R_2	11	1	—	—	—	—	6	12	6	S	3	12	6	S		
645.6	0.6	0	R_2	7	1	—	—	—	—	6	12	6	S	—	—	—	—		
647.7	2.1	0.9	R_2	9	1	—	—	—	—	4	12	10	S	19	12	10	S		minor gouge coating
651.8	4.1	3.4	R_2	14	1	—	—	—	—	3	12	6	J	14	12	6	S		
652.3	0.5	0.1	R_2	7	1	—	—	—	—	3	14	6	J	12	10	6	S		
653.8	1.5	1.1	R_2	11	1	1	10	6	J	—	—	—	—	12	10	6	S		
656.8	3.0	2.0	R_2	10	1	1	16	6	J	4	14	6	J	28	10	6	S		
658.9	2.1	1.9	R_2	12	1	—	—	—	—	—	—	—	—	11	12	6	S		
660.6	1.7	0.7	R_2	9	1	1	16	6	J	—	—	—	—	21	12	6	S		1cm gouge @ 658.9
662.9	2.3	2.2	R_2	12	1	—	—	—	—	—	—	—	—	11	12	6	S		
665.5	2.6	0.5	R_2	7	1	2	16	6	J	1	12	10	J	39	10	10	S		locally crushed & gouge <15cm
667.7	2.2	1.8	R_2	10	1	1	12	10	J	—	—	—	—	21	10	6	S		
668.4	0.7	0.3	R_2	9	1	—	—	—	—	—	—	—	—	7	10	6	S		
672.5	4.1	3.7	R_2	12	1	1	16	6	J	—	—	—	—	21	10	6	S		
673.7	1.2	0.1	R_2	6	1	7	16	6	J	2	16	6	J	17	12	6	S		
675.0	1.3	0.8	R_2	10	1	—	—	—	—	1	14	6	J	21	12	6	S		
678.4	3.4	3.1	R_2	12	1	—	—	—	—	2	12	6	J	19	12	6	S		
679.6	1.2	0.5	R_2	7	1	—	—	—	—	—	—	—	—	18	12	6	S		
681.1	1.5	1.0	R_2	11	1	—	—	—	—	—	—	—	—	13	12	6	S		
684.3	3.2	0.1	R_2	7	1	1	12	6	J	3	12	10	J	62	12	6	S		minor gouge bands <2.0cm
686.8	2.5	1.3	R_2	7	1	2	14	6	J	—	—	—	—	37	10	10	S		" " " "
687.8	1.0	0.2	R_2	8	1	1	14	6	J	—	—	—	—	14	10	6	S		
689.0	1.2	0.5	R_2	9	1	—	—	—	—	—	—	—	—	15	12	6	S		
690.4	1.4	0.2	R_2	7	1	—	—	—	—	—	—	—	—	26	12	6	S		
694.8	4.8	2.4	R_2	9	1	—	—	—	—	—	—	—	—	50	10	6	S		
697.5	2.7	2.2	R_3	10	1	—	—	—	—	—	—	—	—	19	10	6	S		
699.6	1.9	0	R_3	5	1	3	12	6	J	3	12	10	J	70	10	10	S		minor gouge coatings

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91DY-05

Units: Feet / Metres 699.6

Date: MAY '91

Logged By: ~~S~~ S. Ruth

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Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
701.0	1.2	0.3	R_2	7	1									24	12	6	S	NQ	
701.4	0.4	0	R_1/S_2	3	1									21	10	16	G		
704.0	3.6	3.3	R_2	11	1									16	10	6	S		
704.2	0.2	0	R_2	5	1									7	10	10	S		
706.0	1.8	1.5	R_2	11	1									15	10	6	S		
706.9	0.9	0	R_2	7	1									34	10	6	S		
709.9	3.0	1.6	R_2	10	1									31	10	6	S		
																			END OF HOLE @ 709.9

WOW!