CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 90DX-01

Reference Fabric Orientation Diagram:

Project: _____

Location: DY PROPERTY

Claim: _____

~~Terr. Plane~~ UTM Co-ords.: 6901399.4 N

597347.3 E

Grid Co-ords: _____

Elevation: 1100.3m

All symmetry determinations looking

Total Depth: 139.3m

_____ with _____ dipping

Inclination: -45° @ 195° Az

_____ with dip azimuth _____.

Purpose: LOCATE FAULT FOR DATA TO CALC' 3-Pt Pole.

Reason hole Terminated: INTERSECTED FAULT OF INTEREST

Logged by: J. Zbetnoff

Date(s) Logged: _____

Drilling Contractor: E. CARON DRILLING

	Size	CORE From	To
	CASING	0.0	2.4m
	NQ	2.4	139.3m

Hole Cemented: YES

Steel down Hole: CASING

Collar Cased and Capped: PIEZOMETERS

Assay Lab: _____

Certificate No's: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH (2–8)

Date: Logged By:

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2–8	10–16	17–24	25–32	34–39	41 42	
T							

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

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

DDH DY-90-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug '90 Logged By: F Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0.0	2.4				CASING: Casing left in hole, piezometer set at m.
	2.4	3.6			5FD	Medium grayish green, moderately to strongly calcareous well laminated phyllite. Lamina vary in size from 0.2 - 0.4 cm, S_2 is poorly defined. CS_2 surfaces are medium to medium dark greenish gray. Rock is generally medium hard, interval is strongly broken, recovery is good. Lower contact is sharp and parallel S_2
	3.6	4.9			5FD	(5FD) 70:30 Medium to light green, weakly calcareous rock contains a poorly preserved igneous texture and a weak S_2 fabric. 5-7% fine grained mineral (leucoxene?) occurs throughout. Rock is generally medium hard CS_2 surfaces are medium to medium dark green. Upper and lower contacts are sharp and parallel S_2 Interval contains 30% bands of 5FD with moderately well preserved S_1. Rock is medium green, slightly calcareous and has a weak S_2. S_2 surfaces are medium green. Interval is slightly broken, core recovery is good.

DDH BY 90-01

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Aug '90 Logged By: D. Zbednik

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	4.9	56.8			SBQ	
						Medium gray unit is strongly calcareous throughout with well developed lamina from 0.1 - 1.0cm. S_2 is generally well developed with CS surfaces medium gray. Unit hosts 1-2% cm. to dm. scale quartz calcite veins commonly oriented subparallel S_2. S_1 is generally well preserved. Unit is consistant in texture and composition throughout. Rock is medium suite.
						Core is moderately broken throughout but strongly broken and moderately weathered at 6.3 - 11.5. Recovery is generally good throughout, but very poor from 8.8 - 12.2 (47%). RQD is 0% 1.6m
	56.8	59.1			SBQ	FAULT
						Medium gray, generally very weakly calcareous locally moderately calcareous rock is very strongly broken locally crushed with minor localized gouge. Minor oxidation of fractured and broken surfaces are rare. CS and fractured surfaces are medium gray. Gouge and crushed zones occur at 56.8 - 57.0, 58.1 - 58.2, Recovery is generally poor to very poor (43%). RQD is 0% 1.0
	59.1	61.6			SCQ	STRONGLY BROKEN
						Medium green, medium grained, moderately calcareous, slightly oxidized gabbro is strongly broken with weak to moderate oxidation on fractured surfaces. Igneous texture is well preserved with a weak

DDH 90DX-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 90 Logged By: B. Beckwith

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						PS_2 foliation developed. Unit hosts 5-7% fine grained buff mineral, (leucoxene?), 1-2% calcite blebs and stringers of variable orientation. Fractured surfaces are rarely parallel S_2. Recovery is moderate to poor (66%) RQD is 0%. Rock is medium hard.
	61.6	66.8			5C9	
						Medium green, moderately to strongly calcareous, gabbro contains a very well preserved igneous texture with a very weak PS_2 fabric overprint. Unit is locally fractured with very low angle fractures TCA. These fractures are open and moderately oxidized. Interval contains 2-3% calcite stringers and clots of variable orientation. Rock is generally hard, slightly broken locally moderately fractured, recovery is good. Upper contact is by increase in RQD, lower contact is sharp
	66.8	75.8			5C0	(5FO) 85:15 ± Pyroxinite(?) (1.4)
						MIXED UNIT. Intrusive units are medium dark green, contain a PS_2 fabric of variable intensity, locally serpentinized, often display strongly chloritized mafic phenocrysts (0.5-4mm) S_2 surfaces are dark green. Igneous texture is weakly to moderately preserved, units are weakly to moderately carbonatized and generally soft. S_1 fabric is sporadically moderately well preserved.
						5FO units are medium green, finely laminated, moderately calcareous, and contain a well developed PS_2 fabric. S_2 surfaces

DDH 90Y-01

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Aug '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						are medium green. Units are generally medium soft.
						Igneous units are generally moderately to strongly broken, phyllites are moderately broken. Contacts are often marked by minor slips and gouge - especially common adjacent serpenitized units. Recovery is ~~generally~~ good. Serpentinized bands occur at: 69.2 - 70.0, 70.5 - 71.0. Pyroxinite occurs at 74.2 - 75.0.
	75.8	78.9			5FP	± Biotite (5CO) 86:14 (30cm)
						Medium green, strongly calcareous, very well laminated phyllite contains a strong PS_2 fabric and a well preserved S_1 texture. Lamina are commonly 1 - 2 mm occasionally upto 3mm in width. Chloritic lamina often display variable degrees of biotization. S_2 surfaces are medium green, ~~to~~ sporadially black where biotite development is strong. Core is medium soft to slightly hard, moderately broken with good recovery.
						Interval hosts 30cm band of fine grained 5CO at 77.5 - 77.9. Igneous texture is very poorly preserved, unit is massive, medium green, non-calcareous, and contains 0 - 5% leucoxene(?)
						All contacts are sharp and parallel S_2. Locally PS_2 in phyllite is replaced by a well develop CS_2.

DDH DX 90-D1

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug '90 Logged By: S. Zbetnew

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	78.9	80.5			SCP	
						Medium green, massive, non calcalcareous unit displays a very poorly preserved igneous texture and a moderate to weak PS_2 fabric. S_2 surfaces are medium to medium dark green. Rock is generally soft. Core is moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	80.5	90.2			SCP	PYROXINITE
						Dark green, medium grained, non-calcareous pyroxinite is moderately magnetic, medium soft and contains a moderately well preserved igneous texture. A weak PS_2 fabric is locally visible. Core is slightly broken, with rare occurance of crushed zones less than 5cm wide, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	90.2	92.1			SCP	
						Medium to medium light green, massive, non-calcareous locally very slightly calcareous rock contains a moderately well preserved ~~PO~~ igneous texture. Unit hosts 5-7% chloritized matic minerals (1-1.5mm x 2-5mm) elongated into a well defined PS_2 fabric. No visible leucoxene. Unit is medium soft, core is very slightly broken, recovery is very good. Upper and lower contacts are sharp and parallel S_2

DDH CX90-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 90 Logged By: J. Zbetnuk

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	92.1	94.1			SCD	BIOTITE
						Medium green, locally dark greenish black, moderately calcareous, rock contains a poorly preserved igneous texture and is weakly to moderately locally strongly altered to biotite. A moderate PS_2 fabric is ubiquitous. Biotization is generally controlled by S_2. Rock hosts 7-10% leucoxene and moderate chloritization. S_2 surfaces are dark green to very dark green/black where biotization is strong. Carbonatization is commonly stronger with an increase in biotite development. Rock is generally soft, core is moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2
	94.1	95.8			SFQ	± BIOTITE
						Light green, finely laminated, moderately to slightly strongly calcareous phyllite contains a strong to moderate PS_2 fabric. Laminae are commonly 1-2mm in width, rare occurances of CS_2 contain laminae upto 3-4mm. S_2 surfaces are medium green. Biotite alteration increases in intensity down hole over last meter, but where most intense is still only slightly significant. Rock is medium hard, core is moderately broken, recovery is good. Upper contact is sharp and oriented steeper than PS_2 of upper unit and also steeper than PS_2 and S_1 of this unit; contact is 84° TCA, PS_2 and S_1 above and below contact are 70° TCA. Lower contact is sharp and parallel S_2

DDH DY 90-01 (2 – 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug '90 Logged By: T. Zwetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	95.8	102.4			5CG	
						Medium green, massive, generally non-calcareous, sporadically
						moderately calcareous near lower contact. Rock contains
						a poorly preserved igneous texture over printed by a moderate
						PS_2 fabric. Unit hosts trace - 10% fine grained leucoxene?
						elongated into S_2. S_2 surfaces are medium to medium dark
						green. 2-3% quartz calcite veinlets occur parallel S_2.
						Rock is soft, core is moderately locally slightly broken,
						recovery is good. Interval is strongly broken with poor
						recovery at 101.5 - 102.1 => RQD is 0% recovery is 67%. .4
						Upper and lower contacts are sharp and parallel S_2.
	102.4	104.9			5FG	1
						Light greenish gray, moderately well laminated, moderately
						to strongly calcareous phyllite contains a moderately well defined
						CS_2 fabric. S_2 surfaces are medium grayish green. Unit is
						slightly silicous and medium hard. Lamina are variable in
						thickness commonly 1-2 mm, sporadically moderately to strongly
						silicous and 2-4 mm thick. Core is moderately broken, recovery
						is good. Upper and lower contacts are sharp and parallel
						S_2.
	104.9	106.6			5CG	
						Medium green, moderately calcareous gabbro contains a

DDH DY 90-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		106.6				Moderately well preserved igneous texture and a strong PS_2 fabric. S_2 surfaces are dark to medium dark green. Unit hosts 10-15% fine grained leucocrene elongated into S_2, and 2-5% diffuse calcite veinlets parallel S_2. Rock is medium soft, core is slightly to moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2
	106.6	107.1			500	
						Medium to Olive green, very fine grained, non-calcareous unit contains a strong PS_2 fabric. S_2 surfaces are olive and dark green. Rock is locally siliceous and hard, generally unit is medium soft. No distinct fabric beyond S_2 which occassionally host black bands <1mm wide. Core is strongly broken and recovery is good.
	107.1	111.4			5C9	(5C4) (80:20) ± Ankerite (?)
						Generally medium green, non-calcareous, massive gabbro contains a weakly to moderately well preserved igneous texture. PS_2 is strong ~~weak~~, ubiquitous and hosts 2-7% elongated chloritized matic phenocrysts. S_2 surfaces are medium green. Unit hosts ± 0-7% fine grained leucocrene(?). Interval below 109.4 is sporadically altered

DDH DX90-01

CURRAGH RESOURCES INC.

Lithologic Log

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Date: Aug 90 Logged By: J Sheffield

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						to a weak yellowish color. Frequency and intensity of alteration increases down hole. Alteration is considered ankerization or siderization. Rock is generally soft and moderately broken, recovery is good. Upper contact is sharp and parallel S_g lower contact is gradational and parallel S_g. Lower contact has been selected where alteration changes from weak / locally moderate - to - generally moderately strong.
	111.4	113.5			5C4	Ankerite (?) Medium green with moderate yellowish cast, massive slightly ankeritic (?) gabbro contains a moderately to poorly preserved igneous texture. PS_g is strong and S_g surfaces are buff - green. Unit hosts 5-7% elongated matic phenocrysts, 5-7% fine grained leucoxene (?) and sporadic occurances of moderate to strong biotization. Biotization appears to have a close relationship to cm scale quartz - dolomite veins subparallel S_g. Most intense biotization occurs within 1-2cm of veins. Yellowish cast / alteration increases in intensity down hole. Rock is generally soft, core is slightly broken and recovery is good. Upper contact is subjective (see upper interval), lower contact is sharp and parallel S_g

C.R.I. 1987 E-3A

DDH DX 90-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Ag '90 Logged By: P. Beattie

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	113.5	116.2			5F4	± ankerite (?)
						Light grayish green to sporadically olive green and chocolate brown phyllite is medium to thickly laminated with a well formed CS_2 fabric. Lamina are generally 0.5-1.2 cm thick. Variable colors reflect bands and lamina of differing alteration. Ankeritization is suspect and at most is weak. No apparent rhyme nor reason for alteration distribution can be noted. S_2 surfaces are variable in color. Interval contains spordic cm-scale quartz veins oblique to S_2 but offer no correlation to alteration. Rock is generally soft, core is moderately broken, recovery is generally good. Upper contact is sharp and parallel S_2. Lower contact is sharp, parrallel S_2 and selected on an increase of gray color.
	116.2	118.2			5B0	(5B4) 90:10
						Generally medium to light gray, locally multicolored as above unit, non-calcareous, very weakly dolomitic or ankeritic phyllite has a moderately to poorly developed CS_2 fabric. S_2 surfaces are medium gray. Multicolored alteration is weak, sporadic and occurs in mm-cm scale bands. Unit hosts 5-7% mm and cm scale quartz veins parallel S_2. Rock is medium soft, core is moderately broken, recovery is good. PS_2 dominates fabric over last 0.5m

DDH DY 90-01

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Aug 90 Logged By: J. Zbeck

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	118.2	119.2			5B2	FAULT
						Medium gray, non-calcareous, non dolomitic, unit consists of 30% strongly broken and crushed rock and 70% gouge. Broken rock displays a strong S_2 fabric at 20° TCA. Gouge supports no available fabric orientation, and 1-2mm fragments of shattered quartz vein(?). Rock is generally mush, recovery is poor. Upper and lower contacts ~~are~~ have not been recovered.
	119.2	137.2			5B2	
						Dark gray, very weakly calcareous and moderately carbonaceous phyllite is moderately CS_2 foliated and hosts 2-5% scattered clotts of Py. Unit contains 7-10% calcite clotts and veinlets, 0-5% quartz-carbonate veins. Rock is generally medium hard, core is generally strongly broken with good recovery. Interval at 127.8-130.3 is very strongly broken, locally weakly crushed, recovery is 80%, RQD is 0% (2.1)
	137.2	139.3			5B21	
						As above with 40-50% broken quartz veins with moderate chlorization along margines and within wall rock fragments.
						END OF HOLE

DDH 90DY-01 (2–8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Aug '90 Logged By: J. ZBEETNOFF

Code	From	To	Feature	Sym	RAKE OF ~~S_0~~ L_2 ~~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	
		5.6	CS2	Z	20	—	07	198	23		mic. fol'n (poss. M asy'ty
		14.1	CS2	Z	08	—	34	148	55		
		18.0	CS2	S	07	—	14	344	53		
		23.3	CS2	S	12	—	13	009	51		
		28.4	CS2	Z	09		37	190	58		
		33.1	CS2	S	13		22	007	49		
		38.5	CS2	M	175		07	333	67		
		48.3	CS2	Z	07		06	180	58		
		51.3	CS2	Z	20		20	166	58		
		55.6	PS2		—		—		69		
		66.5	PS2		—		—		84		
		70.8	CS2	M	08		05	152	78		
		77.1	CS2	M	—		03	165	76		(2)
		81.5	PS2		—		—		48		
		84.0	PS2		—		—		61		
		92.5	PS2		—		—		56		
		98.0	PS2		—		—		64		
		103.9	CS2	S	18		12	350	61		
		111.2	PS2		—		—		62		
		113.0	CS2	S	08		20	015	65		
		121.4	CS2	Z	155		20	143	70		
		126.9	CS2	Z	06		22	006	70		
		132.6	CS2	Z	24		13	158	63		
		136.8	CS2		174		16	174	49		
											END OF HOLE

C.R.I.

DDH DY 90-1 (2 – 8)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: _____ Logged By: J Zbacknoff

Code	FROM (m)	TO (m) (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	
	56.4	57.0									10cm recovered, strongly crushed zone, minor gouge Crushed fragments indicate a 45° relationship with core axis. S_2 just above fault is oriented at 45° to core axis. RQD 0%
	57.0	58.2									Strongly fractured to 57.2, Crushed zone with minor gouge from 57.2 - 58.2. 45 cm recovered over entire interval RQD - 0%
	58.2	61.6									Strongly fractured zone, moderate oxidation on fractured surfaces. Locallized rubble and weakly crushed zones are common.
	67.6	68.9			50°	TCA	65°	TCA			Moderately broken interval, gouge at 67.8, 68.5 0.9m recovered
	68.9	69.8									Interval supports localized strongly fractured zones Gouge at 69.6 - 69.7 Recovery 100%
	80.7	80.8									Crushed zone, minor gouge.
	118.0	119.2									Upper half of unit is strongly fractured, gouge persists over lower half. Most intense fault intersected in hole. 50% recovery.

DDH DX 90-1 (2 – 8)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: _____ Logged By: [illegible]

Code (1)	FROM (10–14)	TO (At) (16–20)	Feature (22–24)	REC. (26)	UPPER Dip Direct (28–32)	INTERNAL Dip Direct. (34–38)	LOWER Dip Direct (40–44)	Description
	122.8	123.4						Moderately broken interval RQD = 0%. Fractures are generally parallel S_2 (1cm gouge @ 123.2m)
	128.1	129.2						Strongly fractured interval Fractures are more complex than parallel S_2. Locally rock reduced to rubble
	129.9	130.3						Similar to 128.1 - 129.2 with less fractures developed oblique to S_2.
	137.2	139.3						Strongly quartz veined and moderately broken interval. Quartz is broken and blocky.
		139.3						END OF HOLE

PROJECT _____ DRILLHOLE NO. PY90-01 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER J. Zbeda INCLINATION -45° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
2.4																	CASING
3.3		0.4		0				7	F							8	
5.8		1.1		1.0				10	F							24	
6.4		0.5		0				5	E							25	
7.0		0.5		0				5	F							20	
8.2		0.8		0				6	F							25	
8.8		0.45		0				6	E							22	
10.1		0.65		0				6	E							35	
11.3		0.7		0				5	E							36	
12.8		0.7		0				7	E							26	
14.3		1.5		0.25				8	E							31	
16.2		1.8		0.65				11	F							36	
17.4		1.3		0.75				10	F							16	
19.5		1.9		1.0				10	F							22	
21.9		2.4		1.4				12	F							31	
22.9		0.85		0				6	E							30	
24.4		1.2		0.5				9	F							24	
26.5		2.4		1.5				10	F							32	
29.3		2.8		1.2				7	F							43	
30.2		0.95		0				7	E							27	
32.6		2.2		0.65				9	F							40	
33.5		0.8		0.1				7	F							17	
34.5		0.65		0				7	F							20	
35.8		1.1		0.2				9	F							23	
37.7		1.7		0.5				9	E							25	
40.6		2.6		1.1				6	F							43	
41.8		0.75		0				6	F							22	
43.6		1.65		0.5				9	F							35	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DY90-01 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Zbeetauff INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
46.0		2.4		1.0				9	F							44	
48.2		1.9		0.15				7	F							40	
50.9		2.75		1.1				9	F							39	
52.7		1.85		0.55				9	F							33	
53.5		0.6		0				7	F							13	
54.6		0.95		0.10				7	F							23	
55.8		1.15		0.2				9	F							26	
57.0		1.05		0				7	F							25	minor gouge
58.2		0.35		0				3	F							14	crushed, minor gouge
59.4		0.8		0.1				4	E							23	minor gouge strongly broken
60.1		0.35		0				6	E							16	strongly broken
60.7		0.35		0				6	E							14	strongly broken
61.9		1.05		0.15				6	E							18	broken
63.1		1.25		0				12	E							14	(fracture parallel core axis)
66.1		3.0		2.25				12	E							22	
68.9		1.35		1.0				10	F							26	minor gouge
70.4		1.7		0.35				9	F							25	minor gouge
72.2		1.8		0.5				7	F							35	
75.3		3.1		1.7				12	F							37	very minor gouge
78.3		3.0		1.0				9	F							40	
80.8		2.5		0.7				9	F							43	minor crushed zone @ 80.8
82.6		1.8		0.8				9	F							32	
84.4		1.8		0.7				9	F							24	
87.5		2.7		1.7				12	F							22	
89.9		2.6		1.4				12	F							32	
93.0		3.0		2.25				9	F							26	
93.6		0.60		0.4				10	F							6	
96.0		2.4		1.1				9	F							29	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DY90-01 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER [illegible] INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
98.3		1.95		1.2				13	F							23	
101.5		3.0		2.0				13	F							24	
102.1		0.4		0				6	F							11	
104.9		1.75		1.4				12	F							38	
107.0		2.9		0.9				9	F							33	
110.0		3.0		1.8				10	F							33	
113.1		3.1		2.2				13	F							22	
116.1		3.0		1.6				9	F							28	
119.2		2.4		0.6				9	F							34	Fault/gouge below 118.0
121.0		1.75		0				6	F							39	
122.8		1.65		0.1				7	F							37	
125.3		2.6		0.65				9	F							49	
127.1		1.8		0.55				10	F							26	
128.6		1.45		0.5				6	F							19	Crushed below 128.2
129.2		0.5		0				4	F							Lots	crushed
130.2		0.65		0				4	F							25	
131.1		0.7		0				6	F							21	
133.2		2.1		0.45				9	F							34	
135.3		2.2		0.55				9	F							37	
136.3		0.85		0.3				9	F							12	
138.1		2.0		0.9				9	F							32	
139.3		0.75		0.1				6	F							15	
END OF HOLE																	

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 90 DY - 02

Reference Fabric Orientation Diagram:

Project: _____

Location: DY PROPERTY

Claim: _____

~~Terr. Plane~~ UTM Co-ords.: 6901355.1 N

597 367.9 E

Grid Co-ords: _____

Elevation: 1096.9.

All symmetry determinations looking

Total Depth: 149.4 m _____ with _____ dipping

Inclination: -90 _____ with dip azimuth _____.

Purpose: LOCATE FAULT FOR DATA REQUIRED TO CALC 3-D+ PB/m.

Reason hole Terminated: INTERSECTED FAULT OF INTEREST.

Logged by: S Zbeetnoff Date(s) Logged: _____

Drilling Contractor: E. CARON DRILLING

	Size	CORE From	To
	CASING	0.0	3.1m
	NQ	3.1	149.4

Hole Cemented: YES Steel down Hole: CASING

Collar Cased and Capped: PLUGGED

Assay Lab: —

Certificate No's: —

Started: _____ Completed: _____

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 2 8

Date: Logged By:

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T							

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

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

DDH 90UX-02

CURRAGH RESOURCES INC.
Lithologic Log

Page 3

Date: _____ Logged By: J. Zbeetwff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0.0	3.1				CASING? CASING LEFT IN HOLE
	3.1	8.9			5C8	MAGNETIC Pyroxinite Rock is dark green, medium grained, non calcareous and moderately magnetic. Mafic crystals are poorly preserved and moderately chloritic. Rock is medium soft to soft and moderately to strongly broken. A weak to moderate P S_2 fabric persists. S_2 surfaces are dark green and weakly oxidized. Lower contact is obscured in broken rock
	8.9	14.7			5C0	MASSIVE Medium green, fine grained, generally massive unit is generally noncalcareous but does contain localized occurances of calcite veining (2-5 mm). Interval hosts 2-7% fine grained buff mineral throughout (luecoxene ?). Fine grained rock is soft, and strongly broken with minor gouge. P S_2 fabric is generally very weakly developed. S_2 surfaces are medium green. Lower contact is marked by weak gouge zone.
	14.7	16.3			5F0	5 5C0 (95:5) Light green, moderately calcareous rock generally contains a moderately well developed CS_2 fabric and 7-10% veinlets and stringers of calcite often oreinted parallel S_2. S_2 surfaces are dark to medium dark green. Rock is slightly soft. Upper contact is marked by gouge, lower contact is sharp and parallel S_2. Core is moderately broken
	16.3	20.9			5C0	Medium green, massive rock is non calcareous and contains 0-5% fine grained buff mineral (luecoxene ?)

DDH 90-7-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: S Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						PS_2 is generally very weakly developed throughout. S_2 surfaces are dark green. Rock is slightly soft. Upper and lower contacts are sharp and parallel S_2. Core is moderately broken with minor rubble zones.
	20.9	26.8			5FQ	
						light green rock is moderately to strongly calcareous and hosts 7-10% calcite veinlets and clots often parallel S_1. CS_2 is generally well developed. S_2 surfaces are medium greenish gray. Rock is medium soft, core is slightly to moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2. Symetry is M.
	26.8	32.7			5BQ	
						Medium gray strongly to moderately calcareous rock contains a moderately well developed CS_2 fabric. S_2 surfaces are medium dark gray. Rock is slightly soft, core is slightly broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact is gradational over 10cm.
	32.7	33.5			5FQ	
						Medium green, strongly calcareous phyllite contains a well developed CS_2 fabric. S_2 surfaces are medium to dark grayish green. Well developed lamina are .5-3mm wide. Rock is medium soft, core is slightly to moderately broken, recovery is good. Upper contact is gradational over 10cm, lower contact is sharp and parallel S_2
	33.5	34.6			5DQ	
						Medium to slightly olive green, fine grained, massive unit contains localized occurances of well developed PS_2 (?). Rock is non calcareous and hosts 5-7% calcite and quartz-calcite

DDH 90-Dy-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: Scott H.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						veinlets of variable orientation. Rock is slightly soft, core is slightly broken, recovery is good. Upper and lower contacts are sharp and parallel S_2
	34.6	42.2			5B0	(5B4) 87:13
						Medium gray, strongly to moderately carbonatized rock contains PS_2 fabric with localized well developed CS_2. S_2 surfaces are medium to medium dark gray. Where preserved lamina are .5-3mm in width. Unit hosts 2-3% calcite
						veinlets and clots of variable orientation. Rock is slightly hard core is slightly broken and recovery is good. Upper contact is sharp and parallel S_2. Lower contact at 42.5 is ~~and~~ marked by very soft rubble
						5B4 at 41.5-42.5 is yellowish brown, very soft ~~and~~ strongly calcareous and contains a faintly preserved CS_2 fabric. Discoloration is due to more than oxidation. Rock is soft, core is strongly broken to crushed, recovery is good.
	42.2	50.4			5C0	
						Medium green, locally weakly carbonatized rock contains 7-10% calcite veining and 0-10% fine grained buff mineral (leucoxene). Unit contains a weak to moderate PS_2 fabric. Igneous texture is very well preserved (gabbro). Rock is hard, core is slightly broken and recovery is good. Upper contact is obscured in rubble, lower contact is sharp and parallel S_2. Rock is very soft at 45.1-45.4.
	50.4	51.8			5F0	
						Medium green weakly to moderately carbonatized unit

DDH 90-34-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contains 10% calcite in bands and clots parallel a well developed PS_2 fabric. S_2 surfaces are medium green. Rock is slightly soft, core is moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	51.8	57.5			5CO	(5CO - Pyroxinite) 91:09
						Medium green, moderately chloritized, moderately locally strongly calcareous rock contains 0-7% streaked chloritized matic crystals and 0-10% fine grained buff mineral (leucoxene ?). CS_2 fabric rarely lost to PS_2. Igneous texture is weakly preserved. Rock is generally soft, core is slightly locally strongly broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
						5CO - Pyroxinite: 55.8 - 56.3 Medium dark green, massive, slightly magnetic weakly to moderately calcareous unit hosts a very weak PS_2 fabric.
	57.5	58.4			5DO	
						Medium to light green very slight tint of olive green (?), moderate to strong carbonatization occurs only in 1-2mm bands parallel a strong PS_2 fabric. Unit is very fine grained and lacks occurances of leucoxene. Rock is hard to medium hard & massive, core moderately broken with local rubble zones, recovery is good. Upper contact is sharp and parallel S_2. Lower contact is selected on first occurance of biotite development, contact is slightly irregular but generally follows S_2. S_2 surfaces are medium green

DDH DY 90-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	58.4	60.6			5F4	(5C4) 60:40
						Medium green, locally black, very fine grained, strongly to moderately calcareous unit is sporadically strongly altered to biotite. Biotization bands (2-5 cm) are generally coincident with strong PS_2 fabric. Leucocrene occurs sporadically throughout interval both within and beyond biotized bands. S_2 surfaces vary from black to medium dark green. Fine lamina (?) (1-1.5mm) are coincident with PS_2 fabric. Protolith is considered a mixture of 5C and 5F. Rock is generally soft, core is moderately broken with good recovery. Upper contact is sharp and subparallel S_2. Lower contact is gradational with a gradual reduction in biotite alteration.
	60.6	62.6			5F9	(5C0)
						Medium to medium light green, strongly calcareous phyllite is generally well laminated and contains a well developed CS_2 fabric. Lamina are 1-7mm in width. S_2 surfaces are dark green. Rock is medium soft, core is moderately to strongly broken recovery is good. Upper and lower contacts are sharp and parallel S_2
						5C0 occurs at 61.1 to 61.6, medium to light green moderately calcareous rock contains a strongly developed PS_2 fabric. Unit hosts trace-1% highly stretched mafic minerals. Rock is moderately hard, core is slightly broken, recovery is good.

DDH 90-BY-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	62.6	67.5			5C8	Chloritized Pyroxinite(?) Mafic Medium to locally dark green rock contains 3-10% medium grained weakly chloritized matic crystals within a lighter green non calcareous massive host. Unit is sporadically moderately magnetic, and contains a weak PS_2 fabric 15-20% 1-3mm matic minerals weakly stretched into S_2. Rock is soft, core is moderately and locally strongly broken, recovery is good. Upper and lower contacts @ 0.5-0.6 meter intervals of medium green, massive, fine grained rock
	67.5	76.4			5CP	Pyroxinite, Magnetic Dark green, medium grained rock contains a moderately well preserved igneous texture. Unit is commonly magnetic and hosts 2-15% altered feldspar crystals 2-5 mm in diameter. PS_2 fabric is very weakly developed. Rock is generally soft, core is moderately locally very strongly broken, recovery is good. Upper and lower contacts are parallel S_2 and sharp.
	76.4	80.5			5GP	8Gabbro Medium green, massive, non calcareous rock contains a well preserved igneous texture. Unit hosts 7-10% calcite filled very well healed fractures. Chloritization sporadic and weak. PS_2 fabric is very weakly developed. Rock is moderately hard, core is moderately locally slightly strongly broken, recovery is good.

DDH 90 DX-02

CURRAGH RESOURCES INC.
Lithologic Log

Page 9

Date: _____ Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	89.5	82.5			5B5	
						Medium green moderately calcareous rock is well laminated (1-20mm) with a well developed PS_2 foliation. Rock is moderately calcareous and hosts two very open folds at 81.4 to 82.0. Axial planes are oriented subperpendicular core axis. Rock is moderately hard, core is generally strongly broken, recovery is good. Upper and lower contacts are sharp and parallel PS_2 fabric.
	82.5	83.5			5C8	
						Medium green non-calcareous rock contains moderate chloritic alteration with a weakly preserved igneous texture. Unit hosts 2-7% fine grained buff mineral (Ivecovene) PS_2 is generally well developed, locally poorly developed. Rock is generally soft weakly, locally moderately broken, recovery is good. Upper contact is sharp and parallel PS_2 (59° TCA). Lower contact is sharp and oriented 12° TCA. No relationship with lower contact to PS_2 is available.
	83.5	86.7			5C0	Magnetic Pyroxinite
						Dark green, massive, moderately magnetic unit contains a moderately well preserved igneous texture. Unit is weakly chloritized, non calcareous, and soft. Core is weakly broken, recovery is good. PS_2 is very weakly developed. Rock contains 7-10% healed fractures oriented at 20-30° TCA. Upper contact is sharp, lower contact is gradational.
	86.7	89.7			5C8	1 Altered Pyroxinite
						Dark green to buff, generally massive unit becomes progressively more bleached down hole. Lowest 0.5 meter is strongly bleached locally hard and

DDH 90Dx02

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J. Zecchetti

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contains 5-7% fuchsite. Minor pods and bands of silicification are common whole. Unit is rarely magnetic and is non calcareous and non dolomitic. Unit contains a weak PS_2 fabric often disturbed by contorted trends along very low angle healed fractures.
	89.7	91.5			5C4	31 FAULT
						Buff in color, generally moderately hard where competant, weakly to moderately calcareous. Silicification is moderate and ubiquitous. 2-15% fuchsite.
						Interval is generally intensely ± crushed. No igneous texture remains, smokey quartz remenants are locally preserved in rare competant blocks. Smokey quartz is broken, and reheated by silica.
						Lost 0.4m core. PS_2 fabric is locally preserved.
	91.5	95.3			5B2	FAULT
						Dark gray, strongly broken rock locally weakly bleached to medium gray. Unit is non-calcareous. Gouge is localized in narrow bands (5-10cm) at 92.5m and 95.2.
						Shear fabric varies throughout interval
						35° tCA @ TOI
						18° tCA @ 92.7
						45° tCA @ 95.3 : also defines razor sharp
						contact with lower unit.
						PS_2 is well developed and strongly influences orientation

DDH 90DY-02

CURRAGH RESOURCES INC.
Lithologic Log

Page 11

Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						of core breakage. 2.0 m recovered.
	95.3	97.6			5C4	FAULT
						Strongly bleached to medium to light gray-buff, locally buff green. 0-5% fuchsite. Unit is weakly reactive with 20% HCl, strong shear fabric is pervassive. Locallized 1-5mm breccia fragments of dolomite are highly rotated. Shear fabric is commonly 70° to core axis, rarely as low as 45°.
	97.6	103.4			5B2*	
						Dark gray phyllite is moderately to weakly dolomitic and hosts 2-5% quartz carbonate veins, 2-3% pyrite porphoblasts with moderately well developed pressure shadows parallel S_2. CS_2 is moderately well developed. Rock is moderately soft, core is moderately broken, recovery is good. Upper contact consists of strongly broken slightly crushed rock over 0.5m; contact angles cannot be determined. Lower contact is gradational and noted as a reduction in dolomite content. S_2 surfaces are very dark gray to black and generally do not mark fingers on contact.
	141.1					

DDH 90PY02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 12 of

Date: Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	103.4	141.1			5B2	
						Dark gray, non calcareous unit, contains 3-7% Pyrite porphroblasts, 3-5% cm scale quartz calcite veins, and a moderately well developed CS_2 fabric S_2 surfaces are dark to very dark gray and very rarely soils fingers on contact. Rock is generally moderately soft core is moderately broken, recovery is good. Upper contact is gradational and noted as a reduction in dolomite content down hole. Lower contact is very sharp and not parallel S_2 (090°/57°)
	141.1	149.4			10F	
						Buff to very light gray, massive porphritic non foliated very weakly calcareous felsic dyke contains 1-3% euhedral feldspar crystals (.5-1.5 cm). Rock is very hard slightly broken and recovery is good.
		149.4				END OF HOLE

DDH 90DX-02 (2 — 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: _____ Logged By: J. Sheehan

Code	From	To	Feature	Sym	L_2 / 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	
		6.4	PS2				50	
		15.4	CS2	M		07 347	79	
		23.2	CS2	M		016	85	Dip highly variable
		27.3	CS2	S		12 349	79	
		33.0	CS2	S	96	11 350	58	
		36.1	CS2	S		14 240	82	
		46.9	CS2	S	12	10 091	65	
		51.1	PS2				65	
		55.6	CS2	?			77	No confidence in measuring S_1 exists.
		60.8	CS2	S	12	09 015	82	
		67.6	PS2				76	
		72.3	PS2				66	Very weak fabric (S_2)
		78.3	PS2				67	" " " (S_2)
		80.6	PS2	S		33 000	33	S_1 and S_2 are coincident
		81.6	PS2	M				gentle - open fold, axial plane 90 to CA
		82.0	PS2	M				" " " " " "
		86.8	PS2				52	
		93.4	PS2				76	
		99.9	CS2	Z	12	20 143	79	
		104.2	CS2	Z	28	49 199	75	
		109.9	CS2	Z	34	18 188	81	
		114.3	CS2	Z	160	33 149	74	
		122.7	CS2	Z	163	24 250	83	
		128.2	CS2	S	—	11 042	78	
		132.9	CS2	S	13	21 355	82	
		137.3	CS2		80	16 060	82	
		141.1	Contact		57 090			Contact with IOE Dyke.
		149.4						END OF HOLE

DDH 90-DY-02 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

Date: _____ Logged By: F. Sheehan

Code	FROM (m)	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	
	64.0	64.5				62°		minor crushed rock and gouge. Very weak fault.
	66.1	74.1						Very localized slips and minor faults occur within this generally competent interval
	89.7	97.8						Strong fault zone, interval is generally crushed and strongly broken. Gouge is localized and does not exceed 10cm. FAULT in 4 rock units. Two 5C4 units are strongly bleached with moderate Pyrite development. Two 5B2 units are strongly broken and moderately crushed.
		149.4						EOH

PROJECT _____ DRILLHOLE NO. 90 Dy-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER [illegible] INCLINATION _____ ELEVATION _____

ALL CORE: NQ

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS	DEGREE OF BREAKAGE CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
3.1																	CASING
4.3		0.3		0				6	E							8	
6.1		0.3		0				6	E							9	
8.2		1.4		0.1				6	E							35	
8.8		0.2		0				7	E							9	
10.1		0.6		0				6	E							15	
11.3		0.9		0				6	E							27	
12.5		0.9		0				6	E							22	
14.3		1.3		0.5				10	E							19	minor zone highly broken rock 13.4 - 14.3
15.5		1.2		0.2				10	E							29	
17.4		1.6		1.2				10	E							15	
19.5		2.1		0.9				10	E							25	
20.7		1.2		0.15				7	E							24	
23.5		2.7		2.3				12	F							20	
26.5		3.0		2.4				12	F							25	
29.6		3.1		2.6				12	F							22	
32.6		3.0		0.8				7	F							45	
35.7		3.1		1.9				10	F							30	
38.7		3.0		1.7				10	F							35	
41.8		3.1		1.8				10	F							35	soft and crushed below 41.6
42.6		1.2		0.2				6	C							17	soft and crushed above 42.2
44.8		2.1		1.2				12	F							14	
47.9		2.9		1.9				12	F							27	
50.3		2.6		1.95				12	E							19	
51.0		0.5		0.2				10	F							6	
51.2		0.4		0				7	F							12	
53.9		2.7		1.5				12	F							41	
56.4		2.5		0.5				9	F							42	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER D. Sheluk INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
59.1		2.7		1.4				7	F							32	
62.2		3.1		1.8				10	F							27	
64.6		2.4		0.65				6	E							39	
66.1		1.5		0.25				7	F							26	
67.8		1.7		0.5				6	F							29	gouge at 67.4 - 67.5
69.8		1.9		0.65				6	F							27	locally 6-8" core common
71.9		1.8		0				6	F							31	local 2-4cm gouge bands
72.8		0.9		0.35				9	F							13	
75.6		2.8		0.3				7	F							44	
78.2		2.3		1.4				10	F							24	
79.3		1.3		0.3				9	F							20	
80.2		0.9		0.3				7	F							11	
81.4		1.3		0.8				12	F							11	
82.3		0.9		0				9	F							15	
85.3		2.9		2.3				12	F							22	
88.4		3.1		2.2				13	F							21	
90.5		1.9		0.6				10	C							16	minor oxidation - gouge
91.4		0.9		0				2	C							22	" " "
92.5		0.6		0				2	C							N/A	" " "
93.3		0.5		0				3	F							N/A	
94.5		1.1		0				3	F							42	
95.4		1.1		0				5	F							41	
96.9		1.4		0.15				4	F							32	
97.8		1.1		0				5	F							29	
99.4		1.4		0.1				10	F							25	
102.4		3.0		1.4				10	F							31	
105.5		3.1		2.0				10	F							35	
108.5		3.0		0.4				9	F							49	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Zbertnik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
108.8		0.3		0.15				7	F							6	
111.9		2.9		1.3				7	F							35	
114.9		3.1		2.3				10	F							47	
118.0		3.0		2.1				10	F							27	
121.0		3.0		1.45				9	F							34	
124.1		3.1		1.9				9	F							39	
127.1		3.0		0.95				9	F							46	
129.5		2.4		0.55				9	F							44	
132.6		3.1		1.6				9	F							44	
133.2		0.6		0.15				9	F							8	
136.2		3.0		1.9				10	F							38	
139.3		3.1		1.4				10	F							37	
142.3		3.0		2.5				12	F							18	
145.4		3.1		2.9				13	F							15	
146.6		1.2		0.7				13	F							3	low angle fractures are common
149.4		2.8		2.0				10	F							15	" " " " "
																	END OF HOLE —

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 90 DY-03

Reference Fabric Orientation Diagram:

Project: _____

Location: DY PROPERTY

Claim: _____

~~Terr.Plane~~ UTM Co-ords.: 6901328.0 N

597286.0 E

Grid Co-ords: _____

Elevation: 1120.6

All symmetry determinations looking

Total Depth: 151.5 m

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: LOCATE FAULT TO COLLECT DATA FOR 3D PROBLEM

Reason hole Terminated: INTERSECTED FAULT OF INTEREST

Logged by: S. Zbeetnoff

Date(s) Logged: _____

Drilling Contractor: E. CARON DRILLING

	Size	CORE From	To
	CASING	0.0	6.7 m
	NQ	6.7	151.5 m

Hole Cemented: YES Steel down Hole: CASING

Collar Cased and Capped: PIEZOMETERS

Assay Lab: —

Certificate No's: —

Started: _____ Completed: _____

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH (2–8) Date: Logged By:

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2–8	10–16	17–24	25–32	34–39	41 42	
T							

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

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

DDH DY 10-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: I Deeth-H

Code	From (m)	To (m)	Recov.	No.	Unit	Description
1	10 :4	16 20	22 24	26 28	30 34	35
	0.0	6.7				CASING: No recovery (Assume 5B2 by % near collar)
	6.7	10.0			5C3	Rock is generally medium green, massive and contains a weak S_2 fabric. 25% of interval is moderately carbonatized and sporadic occurances of a fine grained buff mineral (leucoxene?) is common. PS_2 foliated Rock is soft strongly to moderately broken with good recovery. Lower contact is sharp & parallel S_2
	10.0	13.2			5B7	Medium green, weakly to moderately calcareous phyllite contains a weak to moderate S_2 fabric and contorted remenants of S_1 occur throughout. Clotty Py occurs sporadically. CS_2 foliated. Rock is moderately soft, good recovery. Upper and lower contacts are sharp & parallel S_2
	13.2	20.8			5C0	5CB Pyroxinite (80:20) Unit is generally dark green locally medium dark green. Rock is locally weakly calcareous. Interval hosts an estimated 15-20% chloritized gabbro. Quartz veins are rare and on the cm scale - a single occurance of galena is noted within vein quartz at 13.9m. Locally unit is broken, crushed and contains minor gouge. PS_2 foliated. Rock is soft to very soft recovery is good. Upper and lower contacts are sharp & // S_2

DDH 92DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	20.8	24.6			5C4	Pyroxinite (?)
						Medium locally medium green rock is generally massive with a weak PS_0 fabric. Unit becomes progressively more lighter in color to nearly an olive green at the base of interval. Lower contacted is marked by a 0.6 m white quartz vein with 0-tr Py. Core is moderately to strongly scraped by bit. Rock is soft, strongly broken with good recovery. Upper and lower contacts are sharp and parallel S_0
	24.6	27.3			5B1	8
						Unit hosts 15-20% light grey/green siliceous bands within a moderately chloritized medium to light green non calcareous matrix. Siliceous bands are oriented subparallel to parallel CS_0. Locally siliceous bands are broken rotated and slightly contorted. Rock is medium soft moderately broken with good recovery. Upper and lower contacts are sharp, marked by quartz veins and are subparallel S_0.
	27.3	29.7			5C0	Medium to light green rock is very weakly calcareous and contains a well defined PS_0 fabric. Igneous texture is moderately well preserved. Rock soft, moderately broken and fractured with good recovery. Upper and lower contacts are sharp and parallel S_0
	29.7	32.4			5B4	
						Medium gray, weak green coloration sporadically throughout, non-calcareous rock contains well defined bands when wet. Bands are parallel PS_0, of equal hardness (Salt) and are of brownish gray and bluish gray in color. Lower contact is gradational.

DDH 94DX-03 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: S. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	32.4	33.4			SB0	2
						Medium gray phyllite contains a well defined CS_2 fabric with minor concentrations of carbonaceous material. Unit is non-calcareous. S_2 surfaces are medium dark gray. Entire interval represents a gradation contact with upper and lower units. Rock is soft moderately to strongly broken with good recovery.
	33.4	38.2			SB2	
						Rock is dark gray, moderately carbonaceous, non-calcareous and is commonly broken into chips and fragments along a well developed PS_2. P_2 as cleats and wisps along S_2 is ubiquitous. Lower contact is very sharp, Upper contact is gradational. S_2 surfaces are dark gray, and very weakly tarnish fingers.
	38.2	52.4			SB7	SB0 SB2 (85:14:1)
						Rock is generally medium to light green locally medium grayish green. Interval is medium to strongly calcareous with localized occurances of moderate well preserved CS_2. Rock is moderately soft, slightly to moderately broken with good recovery. Upper contact is gradational. Lower contact is sharp and parallel S_2.
						49.8 - 50.2: SB2 narrow band of non-calcareous carbonaceous phyllite which hosts 5-7% calcite-quartz veinlets.

DDH 90-DY-03 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: D. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	52.4	54.7			5B0	(5B02) 70:30
						Medium gray unit is strongly to moderately calcareous CS_2 foliated locally modurately carbonaceous. Rock is moderately soft moderately broken with good recovery. Upper and lower contacts are sharp. S_2 surfaces are medium and medium dark gray.
	54.7	55.9			5B8	2
						Medium to light green, locally medium to light grey rock contains minor partings of weakly carbonaceous CS_2 planes. Interval is weakly carbonaceous and hosts 3-5% quartz ± calcite veins with strongly chloritized margines. Rock is soft to slightly soft, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	55.9	57.2			5B9	2
						Medium to medium dark gray rock is non calcareous and weakly carbonaceous. S_2 is generally well preserved within a moderately well defined CS_2 fabric. Interval hosts 5-7% quartz calcite veins with very weak to no chloritic alteration along margines. S_2 surfaces are dark gray and donot tarnish buyers. Upper & lower contacts are sharp and // S_2

DDH DY 90-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: D. Beatty

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	57.2	65.6			5B2	5B02 (80:20)
						Carbonaceous phyllite is dark gray non calcareous and generally
						contains a well developed CS_2 fabric. Locally interval contains
						a lighter gray color and the well preserved CS_2 fabric. 5-7%
						quartz-calcite veins occur throughout and is seldom
						associated with chloritic alteration along margines; when
						present is very weak. Py is spiradic and often clotty.
						Lower contact is marked at the beginning of 0.4m quartz-calcite with weakly chloritized
						margines. Rock is locally broken and fractured in directions
						other than S_2 planes. Gouge is rare but does
						occur in bands 10cm or less at 61.5 and 64.2.
						S_2 surfaces are very dark gray and occasionally tarnish fingers.
	65.6					
	65.6	69.4			5B0	2
						Medium gray calcareous phyllite hosts minor carbonaceous
						material along well developed CS_2 fabric. S_1 is locally
						well preserved and contorted. 0-3% pyrite is generally
						cubic and lack well defined pressure shadows, Py is also clotty
						and contain well defined pressure shadows.
	69.4	72.5			5B4	5D0(?)
						Rock is medium gray with a very slight hint of green,
						non-calcareous and hosts 15% quartz-calcite veins and
						clots distributed throughout. Margines of veins are very weakly

DDH 94DY-03 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J Ebert

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						chloritized. Interval is generally lacking in fabric although CS_2 is sporadically developed
						Proto lith is considered phyllite!
	72.5	73.3			5C4	
						Medium grayish green unit contains contorted bands (2-5mm) of intense carbonatization which are often contorted, cut by a very weakly developed CS_2 and folded. Unit hosts 20-25% fine buff mineral (leucoxene?) occuring in folded (M symetry) wisps and within S_2 fabric. Imagination allows a vague gabbro texture to be noted. Unit hosts 15% calcite occuring in bands discussed above.
	73.3	81.2			5B4	5C0 (98:2)
						Medium gray with weak green tint. Unit is moderately carbonatized, although calcite is concentrated in diffuse stringers and bands which are often moderately folded and contorted. (Z-asymetry). CS_2(?) is generally marked by the carbonatized bands, S_2 is generally weakly developed. A minor band of strongly carbonatized and foliated gabbro occurs at 74.4 - 74.9.

DDH 90DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: S Beckwith

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	81.2	84.7			SCP	
						Medium grayish green, moderately to strongly calcareous and contains a vague igneous texture. Rock hosts 20% fine grained buff mineral (leucoxene) which is often crudely aligned indicating folding. Evidence of folding is best displayed by diffuse calcareous bands (1-3 mm) (M-symda(?)). Structural failure is best defined when carbonatized bands (S_1) is parallel S_2 (?). CS_2 is sporadically developed.
	84.7	90.3			SDQ	SFO 60:40
						Medium grayish green carbonatization is moderate but commonly limited to fractures and diffuse bands. Both S_1 and S_2 are present but both are weakly developed. Chloritization is moderate and ubiquitous. Unit hosts 1-2% cm scale white quartz calcite veins oriented subparallel S_2 (?) and contains no noticable increase of chloritization along margines.
	90.3	92.2			SCP	
						Massive medium greenish gray unit is moderately carbonatized although calcite is most commonly noted in fractures and diffuse stringers and bands. Igneous texture is moderate well preserved. Unit hosts 5-20% fine grained buff mineral (leucoxene ?)

PS_2 foliated

DDH 92-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: D. Scott

Code	From	To	Recov.	No.	Unit	Description
	92.2	93.9			5B4	5CO (90:10)
						Rock is locally well laminated and very weakly to weakly calcareous, in general unit is very strongly carbonatized. Carbonatization is generally more intense within cm scale diffuse bands that are gently folded or subparallel S_2 (?). Weak bleaching occurs with intense carbonatization.
						Unit is medium gray.
						Interval hosts a single band of altered gabbro with weak carbonatization, poorly preserved igneous texture and 15-20% fine grained buff mineral (leucoxene?).
	93.9	94.8			5C4	
						Medium gray unit is locally slightly greenish in color. Rock is generally massive non-calcareous and hosts 5-7% calcite along closed fractures and stringers. Two generations of quartz veins exist one subparallel a weak structural fabric PS_2 (?) which are medium gray and very weakly preserved. The second generation of quartz veins are white opaque and cross cut the other set.
						A ~~the~~ poorly preserved igneous texture persists.
	94.8	95.4			5G8	
						Medium gray unit is locally slightly to moderately green along a stringy network pattern, and in general non calcareous. Network pattern crudely outlines open folding and in general trace

DDH 90 DY-03

CURRAGH RESOURCES INC.
Lithologic Log

Page 11

Date: _____ Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						a very weakly defined CS_2 structural fabric [illegible]
						Lower contact is marked by a 3cm fault zone
						consisting of crushed rock supported by minor gouge.
	95.4	125.4			5B2	
						Dark gray phyllite is non-carbonaceous and hosts 3-5%
						quartz veins with a rare association with pinkish carbonate.
						Veins are rarely associated with chloritic alteration, when
						present involves wall rock fragments completely consumed
						by quartz.
						CS_2 is very well developed and is often slightly
						cross cut by quartz veins.
						Weak fault zones and slips are sporadic and narrow.
						116.1 - 116.2: Weak gouge zone oriented 25° tca.
						123.1 - 123.15: Weak gouge zone oriented 50° tca.
	125.4	129.6			5B2	FAULT
						Dark gray phyllite supports a weak to moderate fault
						zone consisting of broken core, commonly along S_2 planes. Locally
						interval is crushed and maintains an internal shear fabric
						which cross cuts S_2. Quartz vein fragments are commonly

129.6 - 135.6 SB2
135.6 - 139.7 SB2 [illegible]
- 151.5 SB2
[illegible]

DDH 90 Py-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 12

Date: _____ Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						angular, highly rotated and supported in a moderately competant host rock.
	129.6	135.6			SB2	3
						Medium to dark gray phyllite is weakly calcareous and slightly lighter in color than above and lower units. Interval is generally competant, only locally moderately to strongly broken in an orientation parallel to and cross cutting S_2. Quartz veining constitutes 2-3% of interval and only locally displays angular, rotated and brecciated habit. CS_2 foliated.
	135.6	139.7			SB2	FAULT *
						Dark gray phyllite generally display strong shear fabric which cross cuts S_2. Numerous quartz veins throughout interval are brecciated, strongly rotated and occur within a moderately competant host rock with a strong shear fabric slightly oblique to core axis. Interval supports minor sporadic gouge zones which do not exceed 10 cm in width. Unit hosts minor dolomite.

C.R.I. 1987 E-3A

DDH 90DX03

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	139.7	151.5			5B2	3 5B3 (95:5)
						Medium to dark gray phyllite is locally weakly calcareous and hosts 5-7% quartz calcite veins and 5-7% cubic and clotty Py blebs. Veins greater than 1-2cm often support chloritized wall fragments. CS_2 is strong and ~~pervasive~~ well pervasive.
						Interval contains 3 interbands of strongly carbonatized buff to light gray sediments at: 145.2 - 14.4, 147.3 - 148.0 and 148.5 - 148.9
	151.5					End Of Hole

DDH 90.DY.03 (2 — 8)

CURRAGH RESOURCES INC.
Fault Log

Page A of _____

Date: _____ Logged By: D. Zbeetnoff

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	
	61.5	61.6			56		28	Gouge zone at contact of upper 5B3 and lower 5B2
		95.4				75		2cm band of gouge at contact of upper 5B7 and lower 5B2
	116.9	116.2			22			Narrow (1-2cm) gouge zone with rubble below
		123.1					45	Minor band of gouge
	125.4	129.6				39 (Ave)	35	Most movement is along S_2 or subparallel to it. Locally moderate to strong shear fabric cross cuts S_2 and is hosted by moderately competent rock. 35-42° (moderate to weak fault zone)
	135.6	139.17				20		Strong fault zone displays strong shear fabric and local bands of gouge. Quartz veins are generally broken with angular fragments highly rotated within sheared matrix. Shear angles are generally low in relation to core axis (15-25°)
								END OF HOLE

DDH 90DY-03 (2 metres 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Aug 26/90 Logged By: GZ

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	
		1106	PIS12				713	approaching CS_2 tight to crenulation cluge
		1148	PIS12				710	micaceous foliation
		1214	CIS12	S		517 3318	716	S_1 - poor compositional banding S_2 - spaced micaceous flts
		1250	CIS12	Z		116 1135	716	" "
		1326	PIS12				612	micaceous flts
		1420	CIS12	S		312 1112	618	S_1 compositional banding S_2 crenulations cluge
		1457	CIS12	M		014 1910	718	" "
		1512	CIS12	S		511 1216	617	" "
		1574	PIS12				714	micaceous flts
		1640	CIS12	M		17 1210	518	S_1 comp. banding S_2 even. cluge
		1673	CIS12	D		312 1017	717	" "
		1726	CIS12	Z		216 2017	814	" "
		1792	CIS12	Z		114 2014	718	" "
		1883	PIS12				718	micaceous foliation
		1913	PIS12				713	" "
		1948	CIS12	S		415 1010	812	micaceous foliation } S_1 S_2
		1044	CIS12			10 15	717	S_1 - comp. banding S_2 - crenulation cluge
		1072	CIS12	S		319 1311	812	S_1 comp. banding S_2 closely spaced crenulation cluge
		1137	PIS12				717	micaceous foliation
		1206	CIS12	S		212 10	617	S_2 = indistinct crenulation cluge S_1 = compositional banding
		1240	PIS12				811	micaceous even. cluge
		1327	CIS12	M			710	S_1 comp. banding S_2 crenulation cluge fold hinge in S_1 (ph. 2 fold)
		1396	PIS12				910	micaceous cluge
		1434	PIS12				710	" "
		1510	PIS12				815	" "
								EOH extend

PROJECT _____ DRILLHOLE NO. 90DY-03 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER F. Zbeetnoff INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

A

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
6.7																	CASING
8.2		1.5		0				7	E							39	
10.4		2.1		0.65				9	E							35	
11.3		0.9		0.4				10	F							12	
14.0		2.1		0.5				9	F							37	
16.2		1.9		0.4				9	F							40	
18.9		2.4		0.35				9	F							43	
20.4		0.7		0				6	F							25	
23.0		2.7		0.8				9	F							41	
24.3		1.3		0.3				6	F							30	Qtz Vn only coarse peak type
27.4		2.1		0.6				9	F							30	
28.5		0.6		0.1				7	F							17	
29.6		1.1		0.3				9	F							17	
32.6		2.7		0.95				7	F							40	
35.4		2.1		0				9	F							37	
36.6		0.8		0				6	F							28	
39.0		2.4		0.65				9	F							48	
42.1		3.1		2.1				10	F							31	
44.8		2.6		1.9				12	F							24	
47.6		3.0		2.0				10	F							32	
50.9		3.1		2.3				12	F							21	
54.0		3.1		1.45				10	F							36	
57.0		3.0		2.2				9	F							31	
59.4		2.3		0.6				5	F							44	broken to very strongly broken + crushed
60.1		0.5		0.2				12	F							7	
61.6		1.2		0.2				7	F							24	minor crushed zone @ 61.6
64.6		3.0		0.15				7	F							48	
65.7		1.1		0.25				7	F							16	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY-03 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER S. Beckwith INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
68.7		3.0		1.8				10	F							29	
71.8		3.1		0.9				9	F							44	
73.5		1.4		1.4				13	F							7	
75.0		2.5		1.1				12	F							14	
78.0		3.0		2.6				13	F							16	
78.3		0.3		0.15				7	F							4	
81.4		3.1		2.0				10	F							27	
84.4		3.0		1.9				12	F							27	
86.6		1.8		0.3				6	F							35	
89.6		3.0		1.8				10	F							32	
92.7		3.1		1.6				10	F							37	
95.7		3.0		1.5				9	F							32	
97.7		2.0		0.1				9	F							24	
100.3		3.1		1.8				9	F							38	
103.3		3.0		0.5				7	F							47	
106.4		3.1		1.2				9	F							48	
109.4		3.0		0.6				7	F							58	
112.5		3.1		0.5				9	F							59	
114.9		1.3		1.1				9	F							37	
117.0		2.7		0.1				6	F							66	
118.9		1.1		0.3				6	F							20	
121.0		2.1		0.55				6	F							54	
124.1		3.1		1.2				9	F							39	
125.9		1.8		0.85				10	F							35	Sporadic gouge zones
126.8		0.8		0				6	F							33	
128.3		0.9		0				3	F							26	minor gouge, minor crushed zones
129.5		0.5		0				6	F							18	minor gouge
131.1		1.4		0.3				7	F							23	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY-03 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J Zbeetnoff INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
131.7		0.6		0.1				7	F							14	sporadic crushed rock
133.2		1.5		0.6				9	F							27	
135.9		2.4		1.2				10	F							33	
136.6		1.5		0.2				9	F							12	
138.4		1.7		0.55				6	F							32	minor gouge
139.3		0.9		0				7	F							16	minor gouge and crushed rock
142.3		3.0		0.75				7	F							48	
145.4		3.1		1.7				10	F							32	
148.4		3.0		1.7				10	F							34	
151.5		3.1		1.5				10	F							28	
END OF HOLE																	

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug - Dec 1990

Hole Number: 90DY-04-DS

Reference Fabric Orientation Diagram:

Project: _____

Location: DY Property

Claim: _____

~~Terr.Plane~~ UTM Co-ords.: 6901369.5 N

597305.0 E

Grid Co-ords: _____

Elevation: 1115.3

All symmetry determinations looking

Total Depth: 662.3m

_____ with _____ dipping

Inclination: -90.00

_____ with dip azimuth _____.

Purpose: To Test Rock Quality For Proposed DY Shaft

Reason hole Terminated: Complications at Depth

Logged by: F. Zbectnoff

Date(s) Logged: Aug - Oct 1990

Drilling Contractor: E. Caron Drilling

Hole Cemented: YES Steel down Hole: No

Assay Lab: NAL Labs

Certificate No's: _____

CORE

Size	From	To	
PQ Casing	0.0	28.0m	
HQ Casing	0.0	28.0m	
NQ	28.0	198.7m	
NQ	198.7	205.7m	
NQ	205.7	226.2m	- No recovery
NQ	236.2	570.0m	
NQ	570.0	598.3m	- No recovery
NQ	598.3	662.3m	

Collar Cased and Capped: ____

Started: Aug 5 1990 Completed: Oct 1990

GYROSCOPIC DIRECTIONAL SURVEY

1990 08 22
CX-LB-00455

JURRAGH RESOURCES INC.
90DY-04-DS
REFERENCE DIRECTION IS TRUE NORTH

VERTICAL SECTION ALONG CLOSURE
DISTANCES ARE IN FEET
SURVEYOR BGG

TOTAL MEAS DEPTH	ANGLE DEG.DEC	AZIMUTH DEG.DEC	TRUE VERTICAL DEPTH	TOTAL CO-ORDINATES NORTH	EAST	VERTICAL SECTION	DLS PER 100
0.	0.46	183.20	0.00	0.00	0.00	0.00	
25.	0.55	176.63	25.00	-0.22	0.00	0.20	0.43
50.	0.51	176.35	50.00	-0.45	0.02	0.40	0.19
75.	0.51	189.00	75.00	-0.67	0.01	0.61	0.45
100.	0.65	195.40	100.00	-0.92	-0.05	0.85	0.61
125.	0.80	199.27	124.99	-1.22	-0.14	1.17	0.63
150.	0.87	203.63	149.99	-1.56	-0.28	1.53	0.39
175.	0.94	199.74	174.99	-1.93	-0.42	1.92	0.36
200.	0.90	198.58	199.98	-2.31	-0.56	2.32	0.15
225.	0.86	210.25	224.98	-2.65	-0.71	2.71	0.74
250.	1.01	211.17	249.98	-3.00	-0.92	3.11	0.60
275.	1.23	209.11	274.97	-3.43	-1.17	3.60	0.92
300.	1.28	210.58	299.97	-3.90	-1.44	4.15	0.21
325.	1.29	207.68	324.96	-4.39	-1.71	4.70	0.27
350.	1.32	203.75	349.95	-4.91	-1.96	5.27	0.38
375.	1.34	211.17	374.95	-5.42	-2.23	5.85	0.69
400.	1.34	212.29	399.94	-5.92	-2.53	6.43	0.11
425.	1.33	209.66	424.93	-6.42	-2.83	7.01	0.25
450.	1.23	213.38	449.93	-6.89	-3.12	7.56	0.52
475.	1.29	213.54	474.92	-7.35	-3.43	8.11	0.26
500.	1.30	209.67	499.92	-7.83	-3.72	8.67	0.36
525.	1.45	206.84	524.91	-8.36	-4.01	9.27	0.63
550.	1.48	202.84	549.90	-8.94	-4.27	9.91	0.43
575.	1.33	201.51	574.89	-9.50	-4.50	10.52	0.63
600.	1.49	204.11	599.89	-10.07	-4.74	11.13	0.69
625.	1.46	202.94	624.88	-10.66	-5.00	11.77	0.15
637.	1.45	203.77	636.87	-10.94	-5.12	12.08	0.21
650.	1.45	203.78	649.87	-11.24	-5.25	12.41	0.00

LAST DEPTH WAS EXTRAPOLATED ALONG LAST INC AND DIR

MINIMUM CURVATURE METHOD

HORIZONTAL DISPLACEMENT AT BOTTOM HOLE IS
12.41 FEET ALONG 205.05 DEG
RELATIVE TO WELL HEAD

VERTICAL SECTION RELATIVE TO WELL HEAD

GYROSCOPIC DIRECTIONAL SURVEY

1990 09 21
CURRAGH RESOURCES INC. CX-LB-00515
90DY-04-DS VERTICAL SECTION ALONG CLOSURE
REFERENCE DIRECTION IS TRUE NORTH DISTANCES ARE IN FEET
SURVEYOR BGG

TOTAL MEAS DEPTH	ANGLE DEG.DEC	AZIMUTH DEG.DEC	TRUE VERTICAL DEPTH	TOTAL CO-ORDINATES NORTH	EAST	VERTICAL SECTION	DLS PER 100
600.	1.49	204.11	599.89	-10.07	-4.74	-2.88	
625.	1.41	202.33	624.88	-10.65	-4.99	-3.06	0.37
650.	1.22	203.98	649.88	-11.18	-5.21	-3.23	0.77
675.	1.08	211.28	674.87	-11.62	-5.45	-3.34	0.81
700.	0.49	221.81	699.87	-11.90	-5.64	-3.37	2.42
725.	0.24	73.88	724.87	-11.97	-5.66	-3.40	2.82
750.	0.86	56.09	749.87	-11.85	-5.45	-3.48	2.55
775.	1.10	49.86	774.86	-11.59	-5.11	-3.57	1.03
800.	1.01	50.63	799.86	-11.30	-4.76	-3.65	0.36
825.	1.00	47.57	824.85	-11.01	-4.43	-3.72	0.22
850.	1.02	40.14	849.85	-10.69	-4.13	-3.75	0.54
875.	0.97	30.75	874.85	-10.34	-3.87	-3.71	0.69
900.	0.93	26.17	899.84	-9.98	-3.68	-3.63	0.34
925.	0.92	19.04	924.84	-9.60	-3.52	-3.51	0.46
950.	0.83	15.45	949.84	-9.24	-3.41	-3.36	0.45
975.	0.85	6.15	974.83	-8.88	-3.34	-3.18	0.56
1000.	0.82	4.51	999.83	-8.52	-3.30	-2.97	0.15
1025.	0.82	356.86	1024.83	-8.16	-3.30	-2.74	0.44
1050.	0.78	358.29	1049.83	-7.81	-3.32	-2.51	0.19
1075.	0.81	357.89	1074.82	-7.46	-3.33	-2.27	0.11
1100.	0.92	2.55	1099.82	-7.09	-3.32	-2.03	0.53
1125.	0.91	355.44	1124.82	-6.69	-3.33	-1.77	0.45
1150.	0.89	357.27	1149.82	-6.30	-3.36	-1.50	0.14
1175.	0.93	358.98	1174.81	-5.90	-3.37	-1.23	0.18
1200.	0.89	359.90	1199.81	-5.50	-3.37	-0.97	0.17
1225.	0.89	356.93	1224.81	-5.11	-3.38	-0.72	0.18
1250.	0.93	358.44	1249.80	-4.72	-3.40	-0.45	0.17
1275.	0.93	351.08	1274.80	-4.32	-3.44	-0.16	0.48
1300.	1.01	348.34	1299.80	-3.90	-3.51	0.17	0.36
1325.	1.02	348.25	1324.79	-3.47	-3.60	0.52	0.06
1350.	1.19	342.65	1349.79	-3.00	-3.73	0.91	0.79
1375.	1.29	341.77	1374.78	-2.48	-3.89	1.37	0.42
1400.	1.26	337.03	1399.78	-1.96	-4.09	1.85	0.44
1425.	1.18	338.86	1424.77	-1.47	-4.29	2.33	0.34
1450.	1.17	341.53	1449.76	-0.99	-4.46	2.77	0.23
1475.	1.04	342.64	1474.76	-0.53	-4.61	3.18	0.51
1500.	1.06	343.62	1499.76	-0.09	-4.74	3.56	0.10
1525.	1.18	348.08	1524.75	0.38	-4.86	3.96	0.60
1550.	1.16	345.48	1549.75	0.88	-4.98	4.37	0.22
1575.	1.21	349.46	1574.74	1.38	-5.09	4.78	0.39

GYROSCOPIC DIRECTIONAL SURVEY

1990 09 21
CURRAGH RESOURCES INC. CX-LB-00515
90DY-04-DS VERTICAL SECTION ALONG CLOSURE
REFERENCE DIRECTION IS TRUE NORTH DISTANCES ARE IN FEET
SURVEYOR BGG

TOTAL MEAS DEPTH	ANGLE DEG.DEC	AZIMUTH DEG.DEC	TRUE VERTICAL DEPTH	TOTAL CO-ORDINATES NORTH	EAST	VERTICAL SECTION	DLS PER 100
1600.	1.32	349.37	1599.73	1.93	-5.19	5.21	0.44
1625.	1.43	351.10	1624.73	2.52	-5.29	5.67	0.44
1650.	1.50	346.34	1649.72	3.14	-5.42	6.16	0.56
1675.	1.72	347.79	1674.71	3.83	-5.57	6.73	0.90
1700.	1.73	347.59	1699.70	4.56	-5.73	7.32	0.05
1712.	1.75	345.42	1711.69	4.91	-5.82	7.62	0.57

MINIMUM CURVATURE METHOD

HORIZONTAL DISPLACEMENT AT BOTTOM HOLE IS
7.62 FEET ALONG 310.19 DEG
RELATIVE TO WELL HEAD

VERTICAL SECTION RELATIVE TO WELL HEAD

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH (2–8)

Date: Logged By:

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2–8	10–16	17–24	25–32	34–39	41 42	
T							

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

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

ADD HNS
Color on S_2

DDH 90 DY-04 - DS

CURRAGH RESOURCES INC.
Lithologic Log

Page 3

Date: Aug 23/90 Logged By: JZ

Code	From (meters)	To (meters)	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0.0	3.7			CASING	TRICONED TO 12', No recovery. Drilling rate and head pressures
					1.1A	while triconing suggest similar rock type from surface to
						12'. Surface geology and rock type @ 12' are 5B7.
						CASING later reamed to 26' (7.9 meters).
	3.7	11.5			5F0	(5D0)(5C0) 97:02:01
						Light green, moderately calcareous, well-laminated, moderately soft, chloritic
						phyllite. Laminae range 0.5-3.0 mm in thickness and poorly defines a
						S2 crenulation cleavage. Contains 1-7% qtz-calcite veins ranging in
						thickness 2mm-4cm. Veins crudely S2 foliaform. S2 surfaces are
						medium to silvery green. Moderate chlorite selvages on margins of veins and within
						veins.
						One thin 5D0 band 9.95-10.2. Medium olive green, calcareous with
						calcite veinlets and stringers, 2% subhedral pyrite, moderately soft, PS2-foliated,
						chloritic phyllite. Pressure shadows of qtz-calcite around pyrite grains. S2
						surfaces are grey olive green. Marginal contacts with 5F are sharp.
						Unit hosts 3 bands of 5C starting at 10.8-11.3. Bands are 1-5cm
						thick. Medium green, moderate PS2 foliation. 5C associated with calcite
						veins up to 20%. 5C has pale tan disseminated fine bands/stringers of
						unidentified mineral (leucoxene?)
						Interval 3.7-7.1 broken with 50% recovery related to top of hole //
						7.1-EOI slightly broken with good recovery.

DDH 90-04-DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 23/90 Logged By: JAZ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	111 5	112 6			15C 6	
						Medium green, generally noncalcareous, moderately soft to moderately hard, PS2 foliated chloritic unit. S2 surfaces are mottled light and dark green. Relict igneous texture generally well preserved. Mafic grains locally elongate S2. Contains 7-15% fine, buff mineral as thin small "stringers" (leucoxene?), 3-5% calcite stringers, 2% qtz-calcite veins generally parallel S2. Minor chlorite increase marginal to veins. Lower contact is 10 cm qtz-cc vein.
						Core slightly broken w/ good recovery
	112 6	114 1			15F 6	±0 (5C0) 75:25
						Medium green, moderately soft, moderately laminated, CS2-foliated, generally noncalcareous chloritic phyllite. Upper 20cm is calcareous. S2 surfaces are medium to olive green. Not olive enough to be 5D. Phyllites host 3-4% calcite stringers in late fractures 3-4° from core axis.
						5C is medium green, moderately soft, PS2-foliated. Moderately well preserved igneous texture. Mafic minerals typically strongly stretched along S2. Contains 1-2% calcite in late fractures subparallel core axis. Contacts with phyllite are sharp parallel S2.
						Core slightly to moderately broken w/ good recovery
						Two quartz veins 7-10 cm thick w/ trace of sulphides (spy). Moderate chloritic selvages along margins.
	114 1	214 6			15C 6 $	PYROXENITE
						Dark green, soft, noncalcareous, generally massive with weak S2. Unit hosts 7-10% carbonate stringers and clots — reacts poorly to 20% HCl (dolomite + ankerite). Unit moderately to strongly magnetic. Carbonate clots are relict igneous texture.

DDH 90DY-04 DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 23/90 Logged By: JAZ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		1214.6				Unit has been serpentinized. Upper contact sharp with mylonitic penetrative S2 destroying the relict igneous texture. Lower contact sharp crosscutting S2. Overall core moderately broken. 20.5 - 21.3 fractured & gouged core axis with reddish brown iron oxides on fractures. Intvl 22.3 - 24.1 strongly broken & locally gouged. Related to rock type - no major fault. Overall recovery is good.
	1214.6	1216.0			51C10	
						Medium to dark green, massive, weak to moderate PS2-foliated, nonmagnetic, weakly to moderately calcareous, soft chloritic phyllite. 3% calcite stringers in thin fractures randomly oriented. Locally some relict igneous texture weakly stretched along S2. Lower contact sharp gouged S2. Core moderately broken w/ good recovery. S2 surfaces dark green to medium green.
	1216.0	1272			51F101	(5C0) MINOR
						Medium green, moderately to strongly calcareous, moderately hard, moderately well laminated chloritic phyllite. Both PS2 and CS2 foliated - dominantly PS2. Laminae 0.1mm - 2mm thick. Dark green to medium green on S2 surfaces. Unit hosts 1-2% honey-coloured sphalerite in irregular stringers associated w/ calcite - 0 to trace galena - this occurs in uppermost 25cm. Both contacts sharp. Unit hosts 5cm band of 5C @ 26.9m. 5C is dark green, very weakly calcareous, medium soft, and contains 25-30% buff mineral (leucoxene?). Core moderately broken w/ good recovery. Minor rubble @ 26.9m.

DDH 90-29-04 DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 23/90 Logged By: SAZ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1217.2	1218.4			5IC01	
						Medium green, moderately hard, moderately to strongly PS2-foliated. Relict igneous texture often elongate parallel S2. S2 surfaces are medium dark to dark green. Unit hosts 20% fine-grained buff mineral (leucoxene?), 0-trace pyrite, 1% randomly oriented calcite stringers.
						Core slightly to moderately broken w/ good recovery. Occasional fractures are moderately oxidized.
	1218.4	1319			5IF01	
						Medium to light green, strongly calcareous, strongly CS2-foliated, well laminated, medium hard, chloritic phyllite. Laminae 2-5 mm thick. S2 surfaces are medium to dark green. Sporadic fine stringers of reddish brown ophalcite parallel S1 (?). Upper contact sharp parallel S2.
						Core moderately broken w/ good recovery.
	1319	1326			5IF\$1	
						Light green, very soft, slightly dolomitic, PS2-foliated with minor CS2-intervals, strongly laminated phyllite. Laminae are 1-3mm thick. Rock slightly oxidized to a rusty tan colour. CS2 surfaces are silvery grey and tan.
						Core moderately broken — strongly broken at 32.6. Recovery good.
	1326	1354			5IA01	→ (5F\$1) 60:40
						Very light green, soft to very soft, CS2-foliated, laminated (1-4mm), strongly calcareous changing to dolomitic lower DDH phyllite. S2 surfaces silvery grey to silvery green-grey. Upper contact broken / lower contact gouged.
						Core moderately broken w/ good recovery. Gouge 35.2-EOH with rubble

DDH 90DY-04 DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 23/90 Logged By: JAZ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1315 4	1410 2			5IC101$1	PYROXENITE
						Dark green, soft, dolomitic and locally calcareous, weakly to moderately PS2-foliated. S2 surfaces are very dark green. Unit hosts 2-15% calcite-dolomite veins with minor localized gouge. Unit strongly magnetic. Relict igneous texture with subhedral xylolithes of dolomite. Unit is serpentinized. Upper contact marked by gouge. Medium green, calcareous, strongly PS2-foliated chloritic phyllite for uppermost 0.4 m. High strain margin. Relict igneous texture largely destroyed in this interval. Lower contact is sharp. Lower contact oblique to S2.
						Core moderately broken. Strongly broken 35.7-36.0 and 36.9-37.3. Minor gouge in these intervals. Broken & gouged parallel S2. Recovery good.
	1410 2	1413 9			5IF101	
						light green, medium hard, well laminated, CS2-foliated, calcareous, chloritic phyllite. Laminae are 1-3 mm thick. S2 surfaces are medium to dark green. Unit hosts 7-10% calcite veinlets and stringers with variable orientation. Stringers cycle often associated with veinlets. Upper contact 40.2-40.9 has strong PS2 fabric and approaches appearance of SDO - resembles SDO but not as olive green. Lower contact slightly sheared - currently broken - angle steeper than S2.
						Core slightly broken w/ good recovery.
	1413 9	1416 8			5IC1$1	PYROXENITE
						Dark green, soft, slightly magnetic, PS2-foliated, serpentinized ultramafic. Dolomite occurs as small grey dots (possibly plagioclase formerly?). Thin cross-cutting veinlets of calcite-qtz. Relict intrusive (medium-grained) intrusive texture elongate along S2 foliations.
						Lowermost 1.0 m is medium green, PS2-foliated, chloritic phyllite. Igneous texture

DDH 90-04 DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 24/90 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		1416 B				Destroyed in the interval. Not ultramafic composition in this interval. Lower contact has gradational appearance into SF. S2 surfaces are dark, waxy green.
						Fracture/shear at TOI has orientation 35/000. Core slightly broken w/ good recovery. Interval 45.5-45.8 rubble related to steep qtz-calcite veins. Minor gouge present. Veins 20/000 wrt S2. Recovery good.
	1416 B	1514 5			5F101	
						Medium green, strongly CS2-foliated, thinly banded, calcareous, chloritic phyllite. S2 surfaces are shiny medium green. Unit gets progressively slightly darker green as go down DDH. Lower contact rapidly gradational. Microlithons texture marked by light V-shaped folds at TOI and more open, rounded folds near EOI. Calcite occurs w/ qtz in siltstone bands up to 5cm thick locally. Contains white bull qtz veins which have irregular dark green chlorite selvages. Veins crudely S2 foliaform and up to 10cm thick. Minor very fine po.
						Core slightly broken to intact w/ good recovery.
	1514 5	1614 4			5B101	
						Soft, pale to medium grey, laminated, CS2-foliated, calcareous phyllite. S2 surfaces are steely grey. Microlithons well defined by off-white 2mm - 5cm thick qtz-calcite siltstone bands. Also contains some compositional banding in shades of grey in pelite - parallel S2. Lower contact very gradational with loss of carbon & increase in greenish colour. Might be considered 5B02.
						Core slightly broken w/ good recovery. Excellent 5B.

DDH 90-Dug-04 DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 24/90 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1614 4	1615 4			5B1B101	
						Soft, calcareous, laminated, CS2-foliated, pale to medium green chloritic phyllite. Microlithons well defined by thin qtz-calcite siltstone bands. S2 surfaces are silvery green w/ pale grey tint. Lower and upper contacts are gradational
						Core slightly broken w/ good recovery
	1615 4	1618 3			5B131	
						Pale grey, CS2-foliated, very calcareous, laminated phyllite. Microlithons defined by pale qtz-calcite laminae up to 3cm thick. S2 surfaces are silvery grey. Upper and lower contacts are gradational. Minor tinge of green (=chlorite) on cut surface when core is wet. Unit is soft.
						Core slightly broken w/ good recovery
	1618 3	1619 0			5F101	[5B80]
						Moderately soft to soft, CS2-foliated, pale green, laminated, calcareous chloritic phyllite. S2 surfaces are pale to medium green. Calcite associated w/ quartz in thin grey silty bands and laminae. Microlithons tend to be V-shaped chevron style folds. Upper contact gradational lower contact sharp w/ abundant qtz-calcite veining
						Core slightly broken w/ good recovery
	1619 0	1717 5			5C101b1	
						Moderately soft, slightly calcareous, poorly PS2-foliated, medium green chloritic phyllite. Massive with irregular poorly developed S2 cleavage. Medium-fine grained. Calcite disseminated in matrix as well as within thin xcutting veinlets. Minor very fine pale buff specks (leucoxene?). lower contact sharp not parallel S2.

DDH 2009-08 DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 24/90 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core slightly broken w/ good recovery.
						Lowermost 20cm has well developed pervasive S2 foliation.
	1717.5	1719.3			5IF101	
						Moderately soft, CS2-foliated, laminated, calcareous chloritic phyllite. Pale to medium green. S2 surfaces are medium green. Marginal contacts are sharp w/ more olive-green greenstones. Isoclinal, V-shaped, chevron style microlithons defined by thin pale grey calcareous-green siltstone bands/laminae. Locally laminae have indistinct margins.
						Core slightly broken with excellent recovery
	1719.3	1812.4			5IC10161	(5DO X 5FO) 95:03:02
						Dominant unit is medium green, PS2-foliated, soft, slightly calcareous, massive chloritic phyllite. S2 surfaces are rough medium to dark green. Contains thin S2-parallel qtz-calcite veins up to 1cm thick. Locally this unit grades into olive green, PS2-foliated, calcareous phyllite. The latter is reasonable 5D. 5C portions contain tiny streaks of pale buff mineral (leucoxene?)
						Near 80.8m have 2 thin bands of medium green, thinly laminated 5F chloritic phyllite. There are 10cm thick meta-sedimentary interbands. PS2-foliated. Calcareous.
						Core slightly broken w/ good recovery
	1812.4	1813.8			5IF101	
						Medium green, poorly CS2-foliated, calcareous thinly banded, chloritic phyllite. S2 surfaces are medium green to silvery green. Tight, isoclinal, V-shaped microlithons. Strongly foliated S2 texture. Lower contact sharp. Core slightly broken w/ good recovery.

DDH 90Dy-04 DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 24/90 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1813 8	1816 6			5IC101	(5FO) minor
						Moderately soft to moderately hard, PS2-foliated, calcareous, chloritic phyllite. Medium to dark green S2 surfaces are dark, rough green. Relict igneous texture define by white calcite spots (former plagioclase) which now form streaks parallel S2. Unit contains abundant fine specks/streaks of pale buff mineral (leucoxene?). Medium-fine grained intrusive texture.
						Interval 85.1-85.3 is soft, medium green, calcareous, PS2-foliated very micaceous, chloritic phyllite. Contains one tight isoclinal fold hinge. Marginal contacts are sharp parallel S2. Highly strained unit. S2 surfaces are smooth micaceous green.
						Core moderately to slightly broken w/ good recovery
	1816 8	1817 6			5IF101	
						Calcareous, soft, pale to medium greens, thinly banded chloritic phyllite. S2 surfaces are smooth, micaceous silvery green to medium green. Poorly CS2 to PS2-foliated with tight, isoclinal, chevron shaped folds. Marginal contacts with 5C are sharp parallel S2.
						Core moderately broken w/ good recovery.
	1817 6	1911 8			5IC10161	1 BIOTITE 1 PYROXENITE
						Soft, PS2-foliated, slightly calcareous, medium green to dark green chloritic phyllite. S2 surfaces are dark, rough green. locally contains thin bands and splotches which are pale off-white and moderately calcareous (former plagioclase?) Abundant specks of pale buff mineral. Uppermost 0.5m is very dark green, very soft, serpentinized, magnetic ultramafic. Locally contains disseminated biotite specks. 10-15cm near 88.8 is dark brown w/ abundant disseminated biotite. Core slightly broken w/ good recovery

DDH 90PY-04-DS (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug/90 Logged By: B. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	91.8	95.4			5IF06	
						Medium green, weakly calcareous moderately PS_2 foliated, moderately soft. Unit hosts two 5cm quartz veins subparalled S_2@ minor chloritic alteration along margines and stringy chlorization of wall rock fragments within vein. PS_2 surfaces are medium to dark green. Upper and lower contacts are sharp and parallel S_2
						Core is slightly broken with good recovery
	95.4	97.0			5C16	
						Medium green, non-calcareous/non-dolomitic weakly to moderately PS_2 foliated rock. Matic minerals indicate well perserved igneous texture and are slightly elongated along PS_2. Unit hosts trace - 1% irregular calcite veinlets and 3-5% fine grained buff mineral (leucoxene ?) throughout. PS_2 surfaces are medium to medium dark green.
						Core is slightly broken and recovery is good. Upper and lower contacts are sharp and parallel S_2
	97.0	99.6			5C#	PYROXINITE
						Dark green, massive, weakly dolomitic rock is soft, contains a moderately well preserved igneous texture, and a weak PS_2 fabric. Locally unit is moderately serpentinized and moderately to strongly magnetic. Interval

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Page 13 of

Date: Fy 90 Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
						Contains 2-3% quartz - calcite veins throughout - no consistant orientation noted. Upper contact is sharp, lower contact is also sharp and marked by lowest 25cm of interval hosting 40% quartz - calcite - dolomite veining at angles slightly oblique to core axis and parallel fabric in lower fault zone.
						Core is moderately broken and recovery is good.
	99.6	102.9			5CO	FAULT - PROXIMITE
						Dark green, strongly crushed, moderately calcareous rock locally contains small (1-6cm) fragments and blocks ~~of~~ containing a well preserved igneous texture. Unit is generally strongly crushed and locally strongly broken with a well developed irregular shear fabric roughly 20-30° to core axis. Interval contains 0-2% wisps of calcite - quartz veining which generally follow shear fabric, but are also disrupted and broken by it.
						Recovery is generally good, core is very soft and very incompetant.
	102.9	106.1			5F60	5CO (75:25)
						Medium green medium soft to locally medium hard very weakly calcareous rock is generally strongly broken locally weakly crushed (along same orientation as above fault). Unit contains a

DDH 90DY-04 DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						a moderately well developed CS_2 fabric. Interval contains a single band of 5CO at 103.6-103.89 with moderate carbonatization 5-10cm above and below dyke/sill. 0-5% 0.5-1.0 cm quartz-calcite veins are generally subparallel CS_2. Core is generally strongly broken, locally moderately crushed, recovery is good. CS_2 surfaces are medium green
						5CO: 103.6-103.89: strongly broken, medium green with well developed leopard texture and PS_2 fabric, unit is generally strongly to moderately calcareous.
	106.1	109.7			5C9	5B02 (65:35)
						Medium to slightly Olive green weakly to moderately calcareous rock contains a moderate PS_2 fabric and 5-7% quartz-calcite veins trending roughly parallel S_2. Unit hosts 2-7% fine grained buff mineral (leucoxene?). PS_2 surfaces are medium to slightly olive green. Core is generally moderately to locally strongly broken with cm scale bands of gouge at 106.1 and 107.1. Recovery is good
						5B02 occurs at 107.4-108.2: Medium to medium dark gray, weakly calcareous rock hosts 3% quartz calcite veinlets and a moderate to strong PS_2 fabric. S_2 surfaces are medium silvery gray. Core is strongly broken recovery is good.
						Rock is moderately soft throughout interval with minor increase in hardness adjacent veinlets

DDH 900404-DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug/90 Logged By: S Zbectaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	109.7	112.6			5B6	
						Medium gray with weak tint of green, non-calcareous phyllite has a moderate CS_2 fabric and hosts 5-7% quartz-Fe carbonate cm-scale veining subparallel S_2. Locally CS_2 approaches PS_2. S_2 surfaces are medium gray. Rock is generally soft. Locally unit contains bands (1-0.5cm) of very soft rock
						Upper contact is strongly PS_2 foliated and medium green-gray, lower contact is sharp and parallel S_2. Core is moderately broken and recovery is good.
	112.6	123.7			5B62	
						Medium-dark gray, noncalcareous phyllite is moderately CS_2 foliated and contains 1-3% clotty Py 0-3% quartz-carbonate veins (1-20cm). Carbonate associated with vein quartz is calcite, dolomite and Fe-carbonate. Narrow margins of chloritization are common along veins. Rock is generally medium soft, approx 2% of interval is medium hard with no association to vein quartz.
						Core is generally moderately broken with good recovery, rock is strongly broken from 120.5 to 121.3 with 1cm gouge bands at 120.5 and 121.2. Upper and lower contacts are sharp and parallel S_2. S_2 surfaces are med-dark gray.
	123.7	126.5			5B0*	2
						Dark gray, locally strongly calcareous rock contains a moderate PS_2 fabric, 1-3% clotty and euhedral pyrite grains. Interval hosts 25% (1cm or less) bands of strongly

DDH 90DY04-DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Calcareous medium to dark gray rock distributed evenly throughout. Unit hosts 3-5% cm scale quartz-calcite veinlets subparallel S_2. S_2 surfaces are dark to medium gray. Core is slightly broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	126.5	127.9			5F6	5DO* (55:45) Medium green, slightly olive green at upper and lower ends of interval, moderately well developed CS_2 is common within phyllite. Phyllite is non-calcareous and hosts a single 7cm quartz-calcite vein with a high silicous content below vein. Rock is soft where barren of silica. S_2 surfaces are medium green. 5DO* at 126.5-126.8 and 127.5-127.9: Slightly olive green, moderately calcareous, strong PS_2 fabric. Upper 5DO* unit contains 20% quartz-calcite-Fe carbonate veining, lower unit contains 0-2% quartz-carb stringers. S_2 surfaces are grayish-olive green. Leucoxene (?) is common in lower unit. Rock is soft. All contacts are sharp and parallel S_2. Core is slightly broken and recovery is good
	127.9	131.2			5B0	Medium gray, weakly to moderately calcareous phyllite contains a well developed CS_2 fabric throughout, 0-1% quartz-calcite veins (1cm) parallel S_2. S_2 surfaces are medium gray. Rock is generally medium hard, rarely medium soft. 1-2%

DDH 90DY04-DS
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 90 Logged By: D. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grainy and ~~cub~~ euhedral Py is scattered throughout. Core is generally slightly broken and recovery is good. Upper and lower contacts are sharp. Upper contact is parrallel S_0, lower contact is 20° steeper than S_0
	131.2	137.3			5B$2	FAULT
						Medium gray weakly to moderately dolomitic unit hosts two strong fault zones, separated by a moderately broken interval. Shear fabric and gouge are oriented subparallel core axis. FAULT zones host strongly brecciated quartz vein fragments throughout (10% of fault). Fault zone core is very soft with 20% gouge, recovery is good
						Moderately broken interval occurs at 133.8 to 135.6 and contains a strong PS_2 fabric with minor occurances of CS_2. Rock is weakly dolomitic and medium soft. Box of core was split! Fizzling pieces together appear moderately co-herant? Recovery is good.
	137.3	142.0			5F6	5DO (85:15)
						Medium grayish-green with a weak mottled texture locally. Unit is generally non-calcareous sporadically moderately calcareous. CS_2 dominates foliation but is commonly strongly disrupted by well healed shear fabrics generally subparallel to fault fabric above. Minor 5DO units occure in bands commonly 10-30 cm thick, rarely as wisps in shear fabric

DDH 90DY04-DS (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 90 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Rock is generally moderately hard, 5-10% of interval is medium soft. S_2 surfaces are medium gray green. Exact location of calcareous intervals cannot be determined with confidence; core was split and reassembly is suspect to accuracy. → Great job night shift!
	142.0	143.7			5BQ	Medium gray, upper 0.5m is moderately calcareous, lower portion is weakly dolomitic. Rock contains a strong PS_2 foliation, trace-1% quartz calcite stringers and veins (1cm). S_2 surfaces are moderate medium dark gray. Core is moderately broken, recovery is good. Upper and lower contacts are sharp. Upper contact is parallel S_2, lower contact is 40° steeper than S_2 and is marked by a very soft minor slip.
	143.7	145.4			5BQ	Medium gray, tarnished yellow buff throughout moderately ankerized phyllite is moderately PS_2 foliated and contains 3-4% Quartz carbonate stringers throughout. Injected stringers are generally of random orientation. 20% of interval contains a spotted texture of finely brecciated carbonate (Fe) and quartz stringers ~~change~~ oriented into elongated trains parallel S_2. S_2 surfaces are yellow buff and medium dark gray. Rock is generally medium hard moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.

DDH 10DY04-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zaczek

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	145.7	148.3			5BQ	5BQc
						Medium gray moderately calcareous phyllite is moderately CS_2 foliated. Locally unit is weakly ankeritic and tarnished yellow buff. Unit host 1-2% quartz calcite and calcite stringers of varying orientations. Lower 0.5m of interval is moderately ankeritic and buff yellow. Rock is generally medium soft to soft moderated to locally strongly broken, recovery is good.
						147.8 - 148.3 : strongly to moderately ankeritic - buff yellow in color.
	148.3	152.4			5BQ2	
						Medium dark gray phyllite is weakly to moderately calcareous, CS_2 foliated and contains 5-7% quartz-calcite and calcite stringers generally parallel S_0. S_0 surfaces are medium dark gray. Unit contains trace - 1% clotty Py throughout. Rock is generally medium hard, moderately broken with good recovery. Upper contact is sharp, parallel S_0 and marked by a 2cm strongly crushed zone. Lower contact is sharp, parallel S_0 and marked by the beginning of a strongly to moderately broken interval of the same rock type.
	152.4	155.5			5BQ2	
						Same as upper unit except core is markedly more broken with local crushed zones. A low agl. fault occurs at

DDH 9WY 04 DS.

CURRAGH RESOURCES INC.
Lithologic Log

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Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						153.4 to 153.8. FAULT consists of intensely crushed rock with no gouge. (19° to core axis). Rock is slightly hard locally crushed and soft. Unit hosts 2-3% clotty Py
	155.5	161.6			5B02	
						SAME as upper two units with slightly to moderately broken core. Rock is generally medium soft. Below 159.8 unit is moderately to strongly broken along ~~or to~~ low angle S_2 planes. Recovery is good. Upper contact is sharp and parallel S_2. Lower contact is gradional with a general trend to be more carbonaceous downhole.
	161.6	166.9			5B2	MAGOR FAULT
						Medium gray to medium dark gray, non-calcareous phyllite is very strongly broken and contains considerable gouge. Interval is slightly carbonaceous. Rock is very soft, RQD is 0% and recovery is very good.
						Upper contact is oriented @ 090/44 wrt S_2 and lower contact is oriented 011/31 wrt S_2.

DDH 90DY04DS (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

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Date: _____ Logged By: J Zbacnik

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	166.9	177.1			582*	
						Dark gray phyllite is generally weakly calcareous and grades into moderate "calcareousishness" down hole. Carbonaceous material becomes less common downhole creating a very subjective lower contact. Rock contains a well developed CS_2 fabric, 1-2% quartz - ankerite(?) veinlets, 1-3% clotty pyrite blobs and minor small zones of strongly broken core. S_2 surfaces are very dark to dark gray but do not generally mark fingers. Rock is generally moderately to slightly soft, core is generally moderately broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact is gradational and marked a gradual reduction in carbonaceous content.
						Unit below 175.8 is non calcareous
	177.1	181.0			580	2
						Medium gray moderately to strongly calcareous phyllite contains sporadic increases in carbonaceous matter. In general unit has a slightly greater carbonaceous material than typical 580. Unit is CS_2 foliated and S_2 surfaces are dark gray and do not mark fingers. Interval contains 20% strongly brecciated bands of varing widths (0 - > 5cm). These bands are randomly oriented, very well healed in a quartz,

DDH 90DY04 DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: Z Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and quartz-calcite matrix. Breccia fragments consist of phyllite and ankerite(?) clasts. Rock is generally hard, core is slightly to moderately broken, recovery is good. Upper contact is sharp and marked by a 10cm gouge zone and trends 040/39 relative to S_2. Slickenside plunge 47° in the fault plane. Lower contact is marked by the end of the brecciated ~~zones~~ bands.
	181.0	184.1			5B0	2
						Medium gray phyllite is moderately to strongly calcareous, weakly carbonaceous and contains a well developed CS_2 fabric. S_2 surfaces are dark gray. Lamina are 1-3mm in width. Interval hosts 0-trace clotty and grainy Po and trace-1% clotty Py. Rock is generally medium hard locally soft. Core is slightly broken, recovery is good. Upper contact is noted by the end of brecciated bands of upper interval. Lower contact is parallel S_2 and sharp.
	184.1	191.7			5B9	2@(?)
						Medium gray phyllite is generally moderately to strongly calcareous locally very weakly calcareous, slightly carbonaceous and generally contains CS_2 fabric locally BS_2. Most diagnostic feature of unit is a moderate to weak yellow-buff discoloration

DDH 90DY04DS (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: S Zbeetnyk

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
		191.7				with oxidation (ankerite?). Unit hosts trace clotty Py. Rock is generally moderately hard, locally soft. Core is generally moderately to slightly broken. Interval is strongly broken at 190.9-191.7 with no gouge. Recovery is good throughout. Upper and lower contacts are sharp, parallel S_2 and noted by the yellow-buff oxidation colour.
	191.7	197.8			5B02	
						Medium to medium dark grey phyllite is moderately to weakly calcareous, moderately to weakly carbonaceous and generally contains a PS_2 fabric, locally CS_2. S_2 surfaces are dark to medium dark grey. Unit hosts sporadic occurrences of clotty Py which constitute less than 1% of interval. Rock is generally slightly hard locally soft. Core is moderately broken, sporadically strongly broken with good recovery throughout. Upper contact is sharp and parallel S_2. Lower contact is marked by a 10cm irregular quartz vein. Vein hosts moderately chloritized wall rock fragments.
	197.8	205.7			5B01	
						INTERVAL CONSISTS OF HQ to 198.7; NQ has been cored at 198.7-205.7. This interval consisted of the collar for down hole motoring. Motor interval

DDH 90DX045

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		205.7				constitutes 205.7 to 236.2. No recovery exists for this interval.
						Medium gray phyllite is strongly calcareous, CS_2 foliated and contains 2% quartz calcite veins (2-30 cm) oriented subparallel S_2. Veins hosts 5-10% moderately to strongly chloritized wall rock fragments. Po occurs sporadically in quartz. Trace-1% dotty Py occurs throughout unit. S_2 surfaces are medium to medium dark gray. Rock is slightly hard, core is moderately to slightly broken with good recovery. Upper contact is marked by a 10cm quartz vein oriented subparallel S_2. Lower contact exists below 205.7.
	205.7	236.2				NO RECOVERY
						Interval metered, but pressures during metering indicate sporadic intervals of soft and hard units interpreted as gouge zones and quartz veins respectively.
						Coring below 236.2 represents HQ.
	236.2	249.2			580	8
						Medium to medium light gray, slightly green when wet, moderately calcareous phyllite is weakly chloritic throughout. Unit is generally PS_2 foliated with local occurrences of faint CS_2. S_2 surfaces are medium to medium light gray ± weak green color. Unit hosts 3-5% quartz calcite veins (1-5 cm) often oriented subparallel S_2 and trace-1% dotty Py. Rock is moderately soft, core is

DDH 90PY04-DS

CURRAGH RESOURCES INC.
Lithologic Log

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Date: _____ Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		240.2				moderately broken with good recovery. Upper contact exists above 236.2. Lower contact is sharp, parallel S_2 and noted by the loss of weak green color.
	240.2	245.6			5B0	Medium gray phyllite is strongly to moderately calcareous & locally supports 10cm bands of very strongly calcareous bands. Unit hosts 1-2% .2-2cm quartz calcite veinlets generally parallel S_2. S_2 surfaces are medium gray and represent a PS_2 fabric. Pyrite is dotty, sporadic and represents less than 1% of interval. Rock is moderately soft, core is slightly broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact is an irregular break, subparallel S_2 and marks the begining of a strongly broken and faulted zone.
	245.6	249.4			5B02	SGLY BKN & FAULTED ZONE Medium gray phyllite is very weakly calcareous and weakly dolomitic. PS_2 fabric is often abruptly sheared by breccia zones that are occasionally well healed with a weakly dolomitic silicous finely crushed phyllitic matrix. S_2 surfaces are medium gray. Interval from 247.6 to 248.7 consists of gouge filled fractures. Both gouge filled

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and upper well healed breccia zones are oriented subparallel core axis. Recovery of gouge is poor and sporadic. Gouge is moderately to weakly calcareous. Phyllite is soft, breccia zones are very hard. Breccia zones are estimated to be 1-3cm thick. Core is very strongly to strongly broken, recovery is surprisingly good.
						Occasional band and lamina (0.1-2 cm) is moderately carbonaceous
	249.4	254.2			5B60	A
						Medium grag, very weakly calcareous phyllite contains a faint CS_2 fabric commonly tending to PS_2. S_2 surfaces are medium to medium dark gray. Unit hosts 5% quartz veinlets and veins (.5-10 cm) which generally trend subparallel S_2. Rock is generally medium soft, core is moderately locally strongly broken with good recovery throughout. Upper contact is sharp, parallel S_2 and marked as the end of strongly broken rock of upper unit. Lower contact is sharp and parallel S_2
						Interval contains a very low concentration of carbonaceous material throughout. Color is slightly darker than true 5B0.
	254.2	256.7			5B9	
						Medium gray phyllite is moderately calcarous PS_2 foliated with sporadic occurances of CS_2. S_2 surfaces are medium

DDH 90DY04-DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J Zbeetnik

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grey. Unit hosts 3-5% calcite and quartz calcite stringers which commonly cross cut S_2. Common width of stringers is 2-5mm. From 255.9-256.7 the foliation is highly disturbed and texture indicates a weak "breccia texture" with stringers unaffected by disturbance. "Breccia texture" is not well developed and displays a non-fracture disturbance in fabric! Rock is moderately soft, slightly harder where S_2 is disturbed. Core is moderately locally strongly broken, recovery is good. Upper and lower contacts are sharp. Po is not noted to exist, Py is very rare.
	256.7	262.8			5B9	
						Medium grey phyllite is moderately calcareous and contains 15-20% 0.5-1.5cm bands of "siltstone(?)" which are moderately-strongly calcareous. Po is notedly common (0-2%) and occur in clots ranging from 2-15mm with and without proximity to quartz calcite clots and stringers. Interval is FS_2 foliated with S_2 surfaces medium to medium dark grey. Unit hosts 1-2% quartz-calcite veins (1-3cm) oriented subparallel S_2. Rock is generally medium soft, Core is slightly broken recovery is good. Upper contact is sharp and parallel S_2. Lower contact is sharp, parallel S_2 and noted as upper contact of 10cm quartz vein.

DDH 90DY04DS

2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: F. Theriault

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	262.8	270.8			580	18 (5DO) 90:10
						Medium gray, moderately to strongly calcareous phyllite is CS_2 foliated and hosts 3-5% 3-15cm quartz veins. Occasionally margins and wall rock fragments within quartz are moderately chloritized and often moderately calcareous. Vein contacts are irregular but generally trend subparallel S_0. S_2 surfaces are medium to medium dark gray.
						Interval contains sporadic occurances of 5DO occuring in dm to cm scale bands and a large band through 263.7-264.3. This unit is fine grained massive olive green and locally moderately to strongly calcareous.
						Interval is moderately soft to slightly hard, core is slightly to moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_0.
	270.8	272.6			580	(5DO) 95:5 161.7-.8
						Medium gray phyllite is strongly calcareous CS_2 foliated and contains a 10cm band of 5DO (?), 1% quartz-calcite veinlets (1-3mm rarely up to 3cm) of variable orientation. S_2 surfaces are medium to medium dark gray. Rock is medium soft, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Py is sporadic 0-1%
						5DO occurs at 161.7-161.8 and is weakly calcareous, fine grained and buff green to buff olive green in color.

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

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Date: _____ Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	272.6	280.9			5BQ	189 (5DO) 99:1
						Medium gray phyllite is strongly calcareous PS_2 foliated locally CS_2 foliated and contains 7-10% 1-25cm quartz calcite veins with moderately chlorized margines and sporadic inclusions of Pb and Zn mineralization. Chlorization along vein margines occures in widths of 10-20cm and is occasionally calcareous. Locally chloritized margines contains a very strong resemblence to 5DO. Rock is moderately to slightly soft. Core is moderately broken with good recovery. Upper and lower contacts are gradational and noted as an increase and decrease in chlorization respectively.
						Highest grade of mineralization is estimated to be 2-3% combined Pb+Zn over 15cm, and is limited to inclusions within and adjacent quartz veins. Po occurances are sporadic
	280.9	291.2			5BQ	
						Medium gray phyllite is moderately to strongly calcareous, CS_2 foliated with S_2 surfaces medium to medium dark gray. Unit hosts 1-2% quartz calcite veinlets (0.2-2.0cm) of variable orientation. Py and Po occurances are sporadic and constitue trace-1% of interval occuring in 2-10mm clots. Rock is slightly soft, core is generally moderately locally moderately to strongly broken with good recovery throughout. Upper contact is gradational, noted as a progressive loss in chlorization along vein margines. Lower contact

DDH 90DY04 DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						is sharp and parallel S_2.
	291.2	292.8			5BQ#	(5DO) (99:1
						Medium gray phyllite is very weakly dolomitic and often displays a disturbed PS_2 fabric. Breccia trains of quartz-calcite veinlets elongated slightly oblique to S_2 are common. A 2cm band of gouge occurs at 291.9, and a 2cm band of 5DO occurs at 291.7. Rock is slightly soft, core is moderately broken with good recovery throughout.
						Breccia trains are oriented subparallel gouge zone contacts at 057°/62° relative to S_2.
	292.8	293.8			5DB	(5BO) 80:20
						Olive green very fine grained massive non calcareous rock locally hosts dm-scale bands of 5BO. Both units are moderately PS_2 foliated with S_2 surfaces medium to dark gray and medium to medium dark olive green. Contacts between units are generally sharp and parallel S_2. Occasionally contacts are contorted and crosscut S_2 - often with quartz vein association. 5DO intervals are moderately hard 5BO units are medium soft to soft. Core is moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.

DDH 90DV04-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Bretnall

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	293.8	294.6			5B05	
						Medium gray phyllite is weakly dolomitic, PS_2 foliated and contains 3-5% clotty P_y. Texture of PS_2 is often disrupted and moderately contorted. S_2 surfaces are medium dark gray. Rock is moderately soft moderately to strongly broken along S_2 planes. Recovery is good. Upper and lower contacts are sharp.
	294.6	295.7			5B06	FAULT
						Medium gray phyllite is weakly dolomitic, strongly broken along S_2 planes, locally crushed and gouged. Crushed rock and gouge dominate interval below 295.1. Rock fragments and blocks are generally medium hard very soft where gouge persists. Core is highly broken. Recovery is good. Upper and lower contacts are sharp and parallel to subparallel S_2.
	295.7	310.4			5B60	(500) 98:2
						Medium gray very weakly to non-calcareous phyllite is generally CS_2 foliated and host 3% 3-30 cm quartz-calcite and less commonly quartz ankerite veins. Veins are generally subparallel S_2. S_2 surfaces are medium dark gray. Interval contains wisps and bands of 500 scattered throughout. Rock is generally medium hard. Core is generally moderately to slightly

DDH 90DY04-DS (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J Weatherill

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						slightly broken locally interval consist of rubbly zones less than 20cm in width. Recovery is good.
						AT 297.0 - 297.4 interval contains medium to light buff gray non-calcareous medium gray rock. Unit contains a moderately well defined S_1 fabric oriented into open folds with axial planes a very high angles to core axis. Upper and lower contacts are sharp and parallel S_0. A moderately well preserved igneous texture persists. Rock is medium hard to very slightly soft & unbroken.
	310.4	312.8			5B9	
						Medium to medium light gray phyllite is moderately locally strongly calcareous. Unit is CS_2 foliated with S_2 surfaces medium-dark gray. Unit hosts trace-1% P_0 and 0-trace P_y both occouring a 2-3mm clots. Lowest 0.5m of interval contains sporadic occurances of well healed brecciated zones cemented with calcite. Rock is moderately soft, core is slightly locally strongly broken with good recovery throughout. Upper contact is sharp and parallel S_0. lower contact is sharp and oriented at 018/15° relative to S_2. S_2 is oriented 70° to core axis. Brecciated intervals are oriented parallel lower contact.

DDH 87DV04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	312.8	313.3			5BQ	FAULT
						Medium gray weakly calcareous phyllite is generally strongly broken. Interval consists of crushed rock and gouge at 312.8-313.0. Broken rock fragments display a S_2 fabric with S_2 surfaces medium dark gray. Rock fragments are soft to medium soft, core is highly broken with good recovery throughout. Upper contact is oriented 018°/15° relative to S_2 (70°). Lower contact is sharp and oriented 015°/55° to S_2 (82°).
	313.8	314.6			5DQ	(5BQ) 85:15
						Olive green, massive, fine grained, calcareous unit contains scattered bands of weakly to very weakly calcareous 5BQ. 5BQ is most common over upper and lower 0.4 m of interval. All units are PS_2 foliated with S_2 surfaces olive green or medium gray. All units are moderately hard, core is moderately broken with good recovery. Upper contact is oriented at 015°/55° to S_2. Lower contact is sharp and parallel S_2.
	314.6	316.6			1DQ	(5BQ) 50:50
						Quartz vein is white, contains no wall rock fragments and is moderately fractured. 5BQ is strongly calcareous, medium gray and dominates lowest meter of interval. Phyllite is PS_2 foliated with medium gray S_2 surfaces. Phyllite is

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						moderately to strongly broken, recovery is good throughout. Upper and lower contacts are sharp and parallel S_2.
	316.6	317.5			5DOS	(5BO) 90:10
						Olive green to buff olive green unit is moderately dolomitic and hosts minor bands of 5BO throughout. All units are PS_2 foliated with S_2 surfaces buff olive green or medium-dark gray. Rocks are medium soft, core is strongly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	317.5	318.5			5BOS	FAULT
						Interval is medium to light gray moderately dolomitic and consists of gouge, crushed rock and 7-15 blocks of phyllite with a highly disturbed S_2 fabric. Interval consist of gouge at 317.5 - 317.8. Phyllite blocks are soft with S_2 surfaces medium gray. Gouge hosts 15% vein quartz fragments. Recovery is good. Upper and lower contacts are sharp and appear subparallel S_2.
	318.5	319.1			5BOS	
						Light gray phyllite is weakly to moderately dolomitic and contains a weakly disrupted PS_2 fabric. S_2 surfaces

DDH 90DY04DS

2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						are medium grag. Interval host a 2cm band at 500 at 318.9m. Rock is soft slightly to moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_g.
	319.1	333.1			5B0#	
						Medium grag phyllite is strongly to very strongly calcareous, CS_g foliated with S_g surfaces medium gray. Unit hosts 3 gouge bands between 326.9 - 328.9. These bands do not exceed 10cm widths and are moderately to strongly calcareous. Phyllite adjacent gouge zones are strongly calcareous. Interval contains trace - 2% P_y and 0-1% P_o scattered throughout. Quartz calcite veins constitue less than 1% of interval and are generally 1-2cm in width. 332.2 - 332.7 contains a single quartz - calcite vein with moderately chloritic and very weakly calcareous wall rock wisps and fragments. Upper and lower contacts are sharp and parallel S_g.
	333.1	335.3			5B07	19 (500) 60:40
						Medium grayish green phyllite is moderately chloritized, locally CS_g foliated, and hosts 3-5% quartz - calcite - dolomite veins which occasionally host Pb - mineralization. Unit is

DDH 90DX04 DS (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						generally moderately to weakly calcareous. Qtz - carb veins which ± host mineralization are medium to light gray, 1-3cm wide and generally trend subparallel S_0. Unit hosts several 500 bands varing from 2-15cm wide. 500 units are moderately to weakly calcareous, massive, olive green, and PS_0 foliated. S_0 surfaces throughout interval are medium green and olive green. Green coloration within phyllites is interpreted as alteration along veins and alteration in proximity to 500 units. Rock is medium soft to slightly hard, core is slightly broken, recovery is good. Upper and lower contacts of interval are sharp and parallel S_0
	335.3	337.2			509	
						Medium gray moderately to moderately-strongly calcareous phyllite is CS_0 foliated, with S_0 surfaces medium-dark gray. Unit hosts trace quartz-calcite veinlets parallel S_0. Rock is slightly hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_0
	337.2	338.91			500	
						Olive green moderately to strongly calcareous unit is massive, fine grained PS_0 foliated and hosts 3-5% quartz-calcite veins commonly .5-1 cm wide. Veins are commonly light to medium light gray

DDH 90DX04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J. Zbednoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						parallel to subparallel S_2, white veins are most often randomly oriented. Unit contains sporadic occurances of Py with Po slightly more common. S_2 surfaces are medium to medium-dark olive green. Rock is moderately hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	338.9	344.1			5DQ	(5B2 : 5B0Z) 90:8:2
						All units are moderately to sporadically strongly calcareous. All contacts are sharp and parallel S_2, minor chloritization of phyllites occur at contacts, but is most commonly absent.
						5DQ units are olive green, PS_2 foliated, massive and fine grained. S_2 surfaces are medium to medium dark olive green.
						5B2 and 5B0Z units range in widths from 5-30 cm, are dark to medium dark gray, PS_2 foliated with S_2 surfaces dark to very dark gray. Darkest S_2 surfaces leave moderate tarnish on fingers.
						Interval contains 3-5% quartz-calcite veins varying from .2-3cm in width with very rare occurances of remobilized Py mineralization. Veins and mineralization are parallel to subparallel S_2. Occasionally white quartz veins, commonly .2-3 cm wide are randomly oriented. Most veins are medium to light gray. Po and Py occurances are sporadic and vary from .2-1.5 cm in size. Rock is moderately hard, slightly broken with good

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J Zbetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good recovery. Upper and lower contacts of interval are sharp and parallel S_2.
	344.1	355.9			SBP	(500) 98:2
						Medium gray moderately calcareous phyllite is generally CS_2 foliated with S_2 surfaces medium dark gray. Interval contains 1-2% white quartz-calcite veins commonly 1.5-3.0 cm wide oriented parallel to subparallel S_2. Interval host two 500 bands less than 5 cm wide with sharp contacts parallel S_2.
						At 353.1 - 353.6 interval contains a moderately strong fault zone which consists of calcareous very soft rock interspersed with calcareous gouge. Occasional quartz vein fragments persist. Gouge zone is on the cm-scale thickness and wanders down the core at varing angles and orientations relative core axis.
						Interval consists of rock which varies from slightly soft to slightly hard core is slightly to moderately broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2.
	355.9	362.4			5CQ1	(5D0:5F7) 83:15:02
						Medium green, massive, moderately calcareous rock contain no indication of sedimentary origin. A very weak igneous texture is interpreted to exist!?! Interval does not contain leucoxene and is fine grained. Interval hosts sporadic bands and wisps of

DDH 90DY04D3

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: S. Zbrotnik

Code	From	To	Recov.	No.	Unit	Description
	362.4					of olive green SDO with sharp but irregular contacts. All
						units contain 10-15% white to light gray quartz-calcite
						veins varing from .2-3cm in width. Veins are of variable
						orientation and sporadically contain upto 10% clotty stringers
						of Po. Rock is hard, core is slightly broken with good
						recovery. Upper contact consists of 15cm of chloritized
						calcareous phyllite, first occurance of SCO occurs adjacent an
						irregular quartz vein oriented subparallel S_2. Lower contact
						consists of SDO in sharp contact with calcareous SFO.
						This contact is parallel S_2.
	362.4	367.0			SBO	
						Medium gray slightly locally moderately calcareous phyllite is
						generally PS_2 foliated, locally CS_2 foliated. S_2 surfaces are
						medium dark gray. Unit hosts 2-3% 1-3cm white quartz-calcite
						veins generally parallel S_2, 1% Po scattered as .2-.7cm
						clotts and trace Py occuring as .2-1.5cm clotts. Rock is
						moderately hard, slightly broken and interval is represented by
						good recovery throughout. Upper contact is sharp and parallel S_2.
						Lower contact is sharp and represented by a 0.3m crushed
						and gouged zone. Gouge and crushed interval is moderately to
						strongly calcareous

DDH 90DY014DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Sweetnam

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	367.0	367.9			5CO	(5FO : 5DO) 60 : 35 : 5
						5CO unit is medium green, moderately to strongly calcareous, massive, fine grained, and contains a weakly preserved igneous texture. This unit occurs uppermost in the mixed interval.
						5DO occurs below 5CO unit and is medium olive green, slightly to moderately calcareous, fine grained weakly PS_2 foliated and is intermixed with 5FO occuring dominantly as the lowest member of the mixed package.
						5FO is weakly to moderately calcareous, medium green CS_2 foliated and is in sharp contact with all 5DO stringers and bands. These contacts are parallel S_2.
						All units contain sporadic occurrences of Po and P_y, are moderately hard, slightly broken with good recovery. Upper contact of interval is marked as the lowest end of a 30cm gouge zone. Lower contact is sharp and parallel S_2
	367.9	370.8			5BO	
						Medium gray phyllite is moderately to strongly calcareous, CS_2 foliated with S_2 surfaces medium dark gray. Interval contains 0-trace cm-scale clots of Qz, trace-1% .2-.5 cm-scale quartz calcite veinlets at variable orientation. Rock is moderately hard, moderately to slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: T. Sealy

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	370.8	372.3			5DO	1 (5BO) 90:10
						Olive green, weakly to moderately calcareous, fine grained, massive PS_2 foliated rock hosts rare bands and wisps of 5BO. S_2 surfaces are medium olive green and medium gray. Interval contains 5-7% .5 - 3cm white and medium to light gray quartz - calcite veins oriented subparallel S_2. Veins commonly host upto 3% fine grained stringers of Po ± Py. All rock are medium hard to hard, core is slightly to locally moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	372.8	378.0			5BO	1 (5BO2 : 5B2 : 5AO) 95:4:1
						Medium gray locally medium dark gray phyllite is generally moderately calcareous, locally weakly calcareous, generally CS_2 foliated with S_2 surfaces ranging from medium gray to black. Rarely S_2 surfaces strongly tarnish fingers black. Phyllite grades from 5BO to 5B2 with no consistent pattern. Rare lamina upto 1.5cm wide (commonly .5-1.0cm) are black and designated as 5AO. Unit hosts 10-12% white and light gray quartz - calcite veins in widths from 0.5 - 25cm oriented subparallel S_2. Interval contains 3-7% clotty Po 2 - 5mm in width. Rock is moderately hard, moderately to slightly broken, with good recovery. Upper contact is sharp and parallel S_2. Lower contact is gradational and noted as a loss in sporadic ~~gra~~ carbonaceous material.

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

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Date: _____ Logged By: J. Zbednarik

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	378.0	390.8			FBP	(500) 98:2
						Medium gray, strongly to moderately calcareous phyllite is CS_2 foliated with medium dark S_2 surfaces. Unit hosts 1-2% wispy white and light gray quartz-calcite veins of varing orientations, commonly .3-1.0 cm wide, 0-2% clotty Po (2-4mm) and sporadic wisps and bands of 500. 500 units are less than 2 cm wide (commonly 2-4mm) and are often contorted and discontineous. Rock is moderately hard, rarely and locally slightly soft. Core is slightly broken and recovery is good. Upper contact is gradational, lower contact is sharp and parallel S_2.
	390.8	395.3			5BQ	(500) 55:45
						Medium gray moderately to strongly calcareous phyllite is CS_2 foliated with medium dark gray S_2 surfaces. Phyllite contains trace-2% clotty Po. Intermixed with phyllite bands are several 500 bands upto 40 cm thick.
						500 units are olive green, occassionally medium green to olive green, moderately calcareous with isolated occurances of leucoxene (?) upto 15%. 500 units are massive, weakly PS_2 foliated with S_2 surfaces vaging from medium olive green to medium green. Bands containing leucoxene are rare, <10cm wide, and suspect to be 5CO.
						All units are slightly hard and locally slightly soft.

C.R.I. 1987 E-3A

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbeedmtf

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core is moderately, locally strongly broken. Recovery is good throughout. Upper contact is sharp and parallel S_2. Lower contact is oriented 158°/70° relative to S_2. Lower contact is sharp.
	395.3	401.3			5B4	(5D4) 60:40
						Phyllite(?) is light grayish-olive green, moderately calcareous and contains a CS_2 fabric approaching PS_2. S_2 surfaces are medium grayish olive green. 5D0 units are upto 1.3m thick, olive to greenish olive in color, moderately calcareous, fine grained and moderately PS_2 foliated. Locally 5D0 units are bleached buff-yellow-olive green with gradational contacts. Leucoxene has not been recorded to exist within any unit of the interval. All units within interval are hard, core is generally slightly broken - rarely very strongly broken over 10cm intervals, recovery is good throughout. Upper contact is oriented at 158°/70° to S_2 and is represented by a well healed cross-cutting (S_2) weak shear fabric. Shear fabric is local and is rarely reflected through the balance of interval. Lower contact is sharp and subparallel to parallel S_2. Contact represents an increase in intensity in S_2 and slightly stronger alteration.

DDH 90DY045 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: F. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	401.3	403.8			5B4	
						Buff to very light olive green phyllite is moderately to strongly calcareous, CS_2 foliated (approaching PS_2 locally) with S_2 surfaces are medium buff gray. Locally unit approaches a light gray color - most common in the lower 1/4 of interval. Interval contains trace wispy, discontinous and randomly oriented 2-3 mm calcite veinlets. 0-trace clotty P_0 (< 2mm). Hardness of interval varies on the cm to dm scale from hard to slightly soft. Core is slightly broken with good recovery. Upper contact is sharp and subparallel S_2. Lower contact is fault bounded with an orientation of 270/47° relative S_2. Dip of fault is highly variable relative to core axis: 72-30°.
	403.8	407.7			5B4	FAULTED INTERVAL
						Buff to yellowish olive green phyllite is moderately to moderately strongly calcareous and generally displays a moderately well healed brecciated texture cemented with ground phyllite with ± moderate to low calcareous content. Fragments are highly rotated and often display a CS_2 fabric. Matrix and fragments are of similar alteration color. Locally cm scale bands of crushed 5B2 occurs in open slip planes. These 5B2 filled slip planes are of variable

DDH 90DK04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: D Sheet

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						orientation relative to core axis (70-25°). S_2 is generally overprinted by brecciated texture and localized weak shear fabric.
						Rock is generally hard locally moderately soft in cm scale bands. Core is slightly broken, locally crushed, gouged or strongly broken. Recovery is good. Upper contact is oriented 270°/47° to S_2 and is marked by a cm scale band of 5B2 filled fault. Lower contact is marked a gradational reduction in buff alteration and a gradual loss of brecciated texture.
	407.7	411.0			5BQ	
						Medium to medium light gray strongly calcareous phyllite is CS_2 foliated with S_2 surfaces medium gray. Interval contains 1-2% calcite stringers (1-3mm) and 0-trace Po. Rock is slightly hard, core is slightly broken with good recovery. Upper contact is gradational, lower contact is sharp and parallel S_2. CS_2 approaches BS_2 near lower contact.
	411.0	411.8			5B4	→5DO (5DO) (60:40)
						Olive green to buff olive green phyllite closely approaches 5DO in color, diagnostic only by CS_2 fabric. All units

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: J Zecotarth

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						are moderately to locally strongly calcareous. Interval contains sporadic 5D0 units which are PS_2 foliated fine grained massive, and most often on the cm-scale thickness. Interval supports 1-2% calcite stringers and two 1cm calcite-quartz veins at 411.4 oriented subparallel S_2. Rock is slightly soft, core is very strongly broken, generally along S_2 with localized rough surfaced fractures oriented at 094°/10 to S_2. S_2 is oriented at 78° to core axis. Recovery is good. Upper contact is sharp and parallel S_2. Lower contact is fault bounded and oriented 094/22 to S_2. S_2 is oriented at 85° to core axis
	411.8	412.9			5B4+	* FAULT 80:20
						FAULT zone consists of 60% moderately to weakly competant dark gray matrix. Matrix is very weakly calcareous (10% HCl). Matrix hosts polymictic angular and rounded fragments of 5D0, 5B0, 5B4 => 5D0 and vein quartz. Matrix sporadically slightly tarnishes fingers light to medium gray. Gouge is sporadic and is in bands <10cm wide. Upper contact is with 5B4 and oriented at 094/24 to S_2; S_2 is oriented 85° to core axis. Lower contact is also with 5B4 and oriented at 080/21 relative S_2. (S_2 oriented 73° TCA). Well developed slickensides are oriented 33° to core axis

DDH 9DDY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	412.9	420.5			5B4	=> 5DO (5DO) 98:02
						Buff olive green to gray olive green phyllite is moderately locally strongly calcareous, CS_2 foliated with S_2 surfaces medium to medium dark grayish olive green. Interval supports 2% 5DO occuring parallel S_2 in bands commonly 1.0-2.0cm, rarely upto 35cm (at 114.25-114.50). Interval contains 1% calcite stringers, 0-2% cm scale quartz-calcite veins, and trace Po and Py. Py & Po often occur together in clotts 0.5-1.0 cm in diameter.
						Alteration which gives 5B4 the 5DO "look" is variable in intensity varing from weakly moderate to moderate. Upper contact is oriented 094°/22 relative S_2 (S_2 is 85° to core axis). Lower contact is sharp and parallel S_2. Rock is slightly soft, rarely moderately soft, core is slightly broken with good recovery.
	420.5	423.7			5D9	(5B4) 60:40
						All units are moderately to strongly calcareous. 5DO units are olive green to buff olive green, fine grained, PS_2 foliated with S_2 surfaces medium olive green. 5B4 units approach 5DO color but contain a well developed CS_2 fabric and are generally slightly more calcareous. Contacts within interval are generally sharp and parallel S_2, occasionally

DDH 90DY04DS

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Lithologic Log

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Date: Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						irregular. Interval contains 2% quartz-calcite veins (0.2-3.0 cm) and is generally barren of sulphides. 5B4 units range from 10-30 cm thick. Rock is moderately hard, and slightly broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact is gradational with a progressive loss in alteration to 5D0 color.
						A 5cm fault zone occurs at 423.9 and is oriented at 059°/39°, S_2 is oriented ~~at~~ 59° to core axis. FAULT is similar to the type occuring at 411.8-412.9 with minor breccia fragments
	423.7	425.1			5B0	
						Light gray phyllite is moderately to strongly calcareous, CS_2 foliated, with S_2 surfaces medium-light gray. Interval contains trace calcite stringers and 0-trace quartz-calcite stringers, and no visible sulphides. Rock is generally soft, locally very soft, core is moderately broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact is fault bounded with an orientation of 340°/26° relative S_2. S_2 is oriented 71° to core axis. FAULT at basal contact is 1cm wide and consists of very weakly calcareous light gray gouge. Poorly developed slickensides with fault plunge 17° within fault plane

DDH 90DY041DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	425.1	426.8			5B160	
						Light gray phyllite is noncalcareous locally very weakly calcareous, CS_2 foliated with medium-light S_2 surfaces. Unit is very similar to upper interval only lacking in calcareous nature. Rock is soft locally slightly hard, core is moderately broken locally strongly broken in fractures crosscutting S_2 - variable orientations. Upper contact is sharp, gouged and described with upper unit. Lower contact is sharp and parallel S_2
						A 1cm very weakly calcareous, graphitic gouge band occurs at 426.6. Band is oriented 065/25 relative S_2. S_2 is oriented at 72° TCA. Poorly developed slickensides plunge 6° with fault plane. Gouge strongly tarnishes fingers dark gray
	426.8	431.7			5B0	(5B4)
						Medium to light gray phyllite is generally moderately calcareous with rare bands (less than 10cm) of strongly calcareous and non calcareous phyllite. Unit is CS_2 foliated Unit is very similar to upper unit but with noted higher carbonate content. Low angle 1-2cm graphitic gouge zones are sporadic throughout interval, zones are very similar to those in upper unit. Upper and lower contacts are sharp and parallel S_2. Rock is generally moderately broken locally

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: S. ZBERTMOFF

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						strongly broken, core is slightly soft locally soft, recovery is good.
						Last meter of core within interval grades in alteration becoming stronger down hole. Alteration lightens color to a buff to buff olive green. CS_2 fabric is retained throughout altered interval.
	431.7	433.5			5B0	(5B4:5D0) 75:23:02
						Medium gray phyllite is generally strongly calcareous, very weakly calcareous where altered, CS_2 foliated with S_2 surfaces medium-dark gray. Interval hosts trace-1% calcite stringers of variable orientations.
						Upper 10cm of interval contains 5D0; buff olive green, very weakly calcareous, PS_2 foliated and massive. 5D0 contacts are sharp and parallel S_2. 40cm of phyllite adjacent 5D0 is altered in color approaching 5D0, is weakly calcareous PS_2 grading downhole to CS_2 foliated. Alteration decreases downhole.
						Rock is moderately hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	433.5	434.2			5D60	
						Buff-light brown unit is massive, fine grained,

DDH 90DY04DS (2 — 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J. Zbednaft

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						PS_2 foliated, very weakly to non calcareous and hosts 2% calcite stringers with locally define CS_2 fabric (?) S_2 surfaces are buff-brown. Rock is hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	434.2	436.7			5860	
						Medium to medium dark gray phyllite is weakly to very weakly calcareous CS_2 foliated with dark gray S_2 surfaces which do not tarnish fingers. Interval contains 0-5% (trace overall) cm-scale quartz calcite veins oriented parallel S_2, 0-3% clotty P_0 (2-5mm). Rock is moderately soft, core is moderately to slightly broken, locally moderately-strongly broken. Recovery is good throughout. Upper and lower contacts are sharp and parallel S_2. Very minor (1cm) alteration of phyllite occurs at upper and lower contacts. Alteration consists of phyllite color approaching that of 500.
	436.7	438.5			5B4	(⇒ 500 : 500) 80:20
						Buff brown to buff olive green phyllite is moderately to weakly calcareous, CS_2 foliated locally approaching PS_2, with buff brown S_2 surfaces. Alteration is 5B4 ⇒ 500 and is strong.
						500 units (3-10cm) are buff brown and olive green

DDH 90DY04DS (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: S Zbednak

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						fine grained, massive, PS_2 foliated and very weakly to non-calcareous. S_2 surfaces are similar in color to cut surfaces.
						Interval contains trace quartz calcite veins on the cm scale - parallel S_2, and 1-2% dolomite(?) ankerite(?)
						(10% HCl reaction when scratched and very weak with 20% HCl on surface) stringers of variable orientation. Contacts at 500 with 5B4
						are sharp and parallel S_2. Rock is slightly hard, core is
						moderately broken, crushed at 438.0-438.1, recovery is good
						throughout. Upper and lower contacts of interval are sharp and
						parallel S_2
	438.5	440.2			5B02	(5B4 => 500: 5D0) 55: 40:05
						All versions of phyllite are moderately calcareous
						CS_2 foliated locally approaching PS_2. 500 units are very weakly
						calcareous to non-calcareous.
						5B02 units are medium to dark gray with dark gray
						S_2 surfaces coated with trace gouge which slightly tarnishes
						fingers light to medium gray.
						5B4 and 500 package occurs at 439.2 - 439.8 and
						is buff brown in color locally olive green with similar
						colors on S_2 surfaces. Contacts of package are sharp, parallel
						S_2 and marked by cm scale quartz-calcite veins oriented
						subparallel to parallel S_2.
						Rocks are slightly hard to slightly soft, core is
						generally moderately to strongly broken, recovery is good

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: R. ZBERTUFF

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Upper and lower contacts of interval are sharp and parallel to S_2.
	440.2	441.8			5BQ	
						Medium gray, moderately calcareous phyllite is $CS_2 \Rightarrow PS_2$ foliated with medium-dark S_2 surfaces. Upper 40cm is crushed and also moderately calcareous. S_2 becomes slightly contorted and reduces in angle relative to core axis below 441.6. Rock is moderately soft strongly broken recovery is good. Upper contact is sharp and subparallel S_2. Lower contact is sharp, parallel S_2 and noted as a reduction in carbonate content and a progressive increase in shear fabric over S_2.
	441.8	445.4			5BQ$	FAULT
						Medium gray weakly dolomitic interval contains a moderately strong shear fabric oriented at low angles to core axis, locally fabric occurs parallel core axis. Interval is generally soft but competetant, supported by phyllitic matrix. Matrix supports angular fragments of 5B4 $\Rightarrow$ 500 (which occur above and below fault zone), rare 500, vein quartz and dolomite ± ankerite (?). Shear fabric also contains sporadic occurances of quartz injection occuring parallel fabric and display a wispy nature. Rock is soft

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						slightly broken rarely strongly broken with good recovery throughout. Upper contact is gradational in shear fabric becoming dominant over S_0, sharp with a loss of calcareous nature of upper unit. Lower contact is sharp and oriented 156°/34° relative to S_0. S_0 is oriented 73° to core axis.
	445.4	446.8			5B9S	
						Medium gray phyllite is very weakly dolomitic, $CS_0 \Rightarrow PS_0$ foliated with medium to medium-dark S_0 surfaces. Interval contains trace fracture filled stringers of dolomite. Rare occurances of moderate calcareous nature does exceed 2-3cm widths. Rock is slightly hard locally moderately soft core is moderately broken with dolomitic gouge at 445.95 to 446.0. Upper contact is sharp, fault bound and oriented at 156°/34° relative to S_0. Lower contact is also sharp, fault bound and oriented 143°/17° relative to S_0. S_0 is oriented at 73° to core axis.
	446.8	447.8			500	(5B4 ⇒ 500) 80:20
						Buff brown to buff olive brown weakly to moderately calcareous rock is fine grained massive, and PS_2 foliated. Calcareous nature increases down hole. Rock hosts minor bands of 5B4 strongly altered to a 500

DDH 90DY045 (2–8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
						color. Rocks are slightly soft, often strongly broken with good recovery. Upper contact is faulted (2cm of crushed and gouged SBO) and oriented 143°/17° relative S_2. Lower contact is strongly broken but appears parallel S_2.
	447.8	449.1			SBO	
						Medium gray phyllite is moderately calcareous, CS_2 foliated with medium-dark S_2 surfaces. Interval supports a weakly calcareous fault zone at 448.4–448.8. Phyllite blocks within and adjacent gouge and crushed zone are moderately calcareous. Rock is very slightly hard generally slightly to moderately broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2. Interval contains trace-1% calcite stringers.
	449.1	453.6			SBO$	
						Medium gray phyllite is weakly to very weakly dolomitic, CS_2 foliated with medium-dark gray S_2 surfaces. Interval contains 1-2% dolomitic stringers and 1% cm-scale quartz-calcite veins oriented parallel S_2. Unit appears identical in texture color and composition to upper and lower units. Rock is very slightly hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.

DDH 90D404DS

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Logged By: J. Zbeetnoff

223/33

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	453.6	466.8			5B9	
						Medium gray, moderately to strongly calcareous phyllite is CS_2 foliated, PS_2 foliated adjacent sporadic concentrations of cmscale quartz veins oriented subparallel to parallel S_2. S_2 surfaces are medium-dark gray. Unit hosts 0-5% cm-scale quartz-calcite veins. Rock is slightly soft, core is slightly-rarely moderately broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2. Lower contact is marked by a 2cm quartz calcite vein oriented parallel S_2.
	466.8	468.5			5B0	Shear => 5B02
						Medium to medium dark gray, moderately to strongly calcareous phyllite contains a strong shear fabric which strongly disrupts the CS_2 foliation. Calcite and Calcite-quartz stringers are often wispy, parallel shear fabric and consitute 5-7% of interval (2-3mm wide). Interval is very well healed and hosts rare blocks of 5B4 => 5D0. Rock is slightly to moderately hard, very slightly broken with good recovery. Upper contact is marked by a 2cm quartz vein parallel S_2. Shear fabric at upper portion of interval is oriented at 257°/20° relative to S_2. Lower contact is sharp and oriented parallel shear fabric - 47° relative to core axis.

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: S. 2BERTNUTT

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	468.5	469.5			5B4	=> 500 Shear (500 : 5B0 => 5B02) 85 : 10 : 05
						Buff to buff olive green moderately to strongly calcareous phyllite contains a strong shear fabric as upper unit. Interval contains a strongly disrupted CS_0 fabric which creates difficulty in differentiating 5B4 => 500 from 500. Shear fabric hosts 5% wisps and stretched blocks of 5B0 => 5B02. Rock is moderately hard with a very well healed shear fabric. Core is slightly broken with good recovery. Upper contact is sharp and oriented parallel shear fabric at 47° to core axis. Lower contact is very sharp and consists of well healed very finely ground 5B02 oriented at 223°/33° to S_0. No portion of 5B0 => 5B02 tarnishes fingers
	469.5	474.7			5B0	(=>5B04) 60:40
						Medium gray locally Medium buff to medium buff olive green moderately to strongly calcareous phyllite is CS_0 foliated where buff color persists unit tends to approach PS_0. Alteration of 5B0 => 5B04 is sporadic and weak generally in bands <1.0m with gradional contacts. Locally isolated wisps of alteration is moderately strong and occurs in bands 1-2mm wide parallel S_0 and may infact be 500. Rock is slightly hard to slightly soft, core is moderately to slightly broken with good recovery. Upper contact with shear fabric is sharp and oriented at 223°/33° to S_0. Lower contact represents a gradual loss of alteration

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: B. Zbeteff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						of 5B0 => 5B04 (5B04 tends to reach 500).
	474.	480.9			5B0	
						Medium gray, moderately to strongly calcareous phyllite is CS_2 foliated with medium to medium dark gray S_2 surfaces. Unit hosts 2% calcite filled, well healed fractures which crosscut S_2. Rock is slightly to moderately soft core is slightly broken with good recovery. Upper contact is gradational, lower contact is sharp and oriented 163°/24°. Lower contact is noted as the beginning of a weak fault zone and contact angle measured accurate but may not be representative.
	480.9	481.7			5BP1	FAULT *
						Medium gray, moderately calcareous phyllite is moderately to strongly crushed and locally slightly gouged. Crushed rock and gouge are weakly to moderately calcareous, occur in bands from 1-3cm wide and are at various orientations. Undisturbed blocks of phyllite are CS_2 foliated. S_2 and crushed surfaces are medium-dark gray. Core is soft recovery is good. Upper contact is oriented @ 163°/24° to S_2. Lower contact is oriented @ 222°/46° to S_2.

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: Z. Zbetnall

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	481.7	486.9			5B0	* $
						Medium to light gray, strongly calcareous phyllite is CS_2 foliated with medium gray S_2 surfaces. Interval hosts
						10-15% dolomite filled fractures (.5-2mm x 10-20mm)
						oriented subparallel core axis. Frequency of dolomitic
						fractures gradually decreases down hole. Rock is generally
						moderately soft locally slightly hard. Core is moderately
						to slightly broken with good recovery throughout.
						Upper contact is sharp, oriented at 292°/ 40° to S_2;
						lower contact is noted as a loss of dolomitic fractures.
	486.9	500.2			5B9	(500) 99:01
						Medium gray phyllite is moderately calcareous, CS_2 foliated
						locally approaching PS_2 with medium to medium dark gray S_2
						surfaces. Unit host rare cm-scale bands at 500-
						occurring parallel S_2, 0-1% clots, Po and 1% cm-scale
						quartz-calcite veins oriented parallel S_2. Rock is moderately
						soft slightly broken and recovery is good. Upper
						contact is noted as a loss in dolomitic
						fractures at upper unit. Lower contact is sharp and
						parallel S_2.
	500.2	521.2			5B01	8 (500) 98:02
						Medium gray phyllite is moderately to strongly
						calcareous PS_2 foliated with medium-dark S_2 surfaces.

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Interval hosts 15% quartz-calcite veins, 1-2 rarely upto 4cm wide. Veins are parallel S_2 and often have moderate to weak chloritic alteration along margines. Interval also hosts 1-2% clotty Po, often associated with veins. 5DO units are rare, 1-1.5cm wide and parallel S_2. Upper and lower contacts are sharp, parallel to subparallel S_2 and marked by quartz veins and chloritic alteration. Rock is moderately hard, core is slightly broken with good recovery.
	502.2	513.9			5BQ	(±crushed and gouged *) 99:01
						Medium gray, moderately to strongly calcareous phyllite is CS_2 foliated with medium to medium-dark gray S_2 surfaces. Interval contains 1-3% 5-10mm clots of Po, a 25cm quartz-calcite vein (± chloritic alteration) at 509.4 and calcareous crushed and gouged zones at 511.6-511.8 and 512.45-512.6. Crushed and gouged zones are moderately to strongly calcareous 2-3cm wide and oriented at low angles to core axis. Rock is slightly soft, core is moderately to slightly broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2.

DDH 90DX04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: A. Sheedy

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	513.9	529.6			1500	* Strongly broken Medium gray, strongly calcareous phyllite is CS_2 foliated, rarely approaching PS_2, with medium-dark gray S_2 surfaces. Interval is strongly broken along S_2 surfaces, locally weakly crushed with very rare gouge bands from 2-3cm wide. Gouge is often subparallel to parallel S_2. Crushed and gouged intervals are moderately calcareous throughout. Rock is moderately soft, strongly broken. Recovery is good thsoughout. Upper and lower contacts are sharp, parallel S_2 and mark the limits of broken interval.
	529.6	524.7			1599	(500) 99:01 Medium gray moderately to strongly calcareous phyllite is $CS_2 \Rightarrow PS_2$ foliated with medium-dark gray S_2 surfaces. Interval hosts 2-3% 2-6cm quartz calcite veins oriented parallel S_2. Po occurs as scattered 2-5mm clots and does not exceed 1% of interval. Rock is moderately soft, core is moderately broken with good recovery. A single 1cm band of 500 occurs at 521.6 Upper and lower contacts of interval are sharp and parallel S_2

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Beetstra

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	524.7	527.3			5B0	(=>584 : 500) 88:10:02
						Medium gray strongly to moderately calcareous phyllite displays a well developed CS_2 fabric with medium-dark gray S_2 surfaces. Interval displays an increase in alteration downhole. Alteration is to a an olive green color similar to 500. Alteration increase is gradual over 1.0 - 1.5 metres, but strong with diffuse contacts subparallel S_2 at 526.9 - 527.1. 500 occurs in sharp contact with 584 at 527.1. Rock is moderately to slightly soft, core is slightly to moderately broken. Upper contact is sharp and noted as first weak to very weak occurance of 530 => 584. Lower contact is sharp and parallel S_2.
	527.3	530.3			5B0	* strongly broken
						Medium gray moderately to strongly calcareous phyllite is PS_2 foliated, locally $PS_2 \Rightarrow CS_2$, with medium-dark gray S_2 surfaces. Interval is strongly broken with S_2 dominate fracture planes. Rarely interval hosts fractures subparallel core axis. Unit hosts a single calcareous gouge band at 527.3 - 527.35. Rock is soft to moderately soft, core is strongly broken with good recovery. Upper contact is marked by narrow gouge zone subparallel to parallel S_2. Lower contact is sharp, parallel S_2 and noted by an increase in RQD.

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J. ZBELTNOFF

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	530.3	532.0			5B9	(5D0) · 85:15
						Medium gray, moderately to strongly calcareous phyllite is generally CS_2 foliated locally P_2, with medium-dark gray S_2 surfaces. Interval hosts sporadic occurances of olive green non-to-very weakly calcareous 5D0. 5D0 units do not exceed 10cm in width and are oriented parallel S_2 rarely 1 cm wide and folded parallel S_1. Rock is slightly hard, core is slightly-locally moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	532.0	540.2			5B9	(5B2) 95:05
						Medium gray moderately to strongly calcareous phyllite is CS_2 foliated with 5% ± S_2 planes dark gray. These 1-2mm widths of increased carbonaceous material have been designated "5B2". "5B2" surfaces moderately tarnish fingers medium gray. All other S_2 surfaces are medium-dark gray. Interval contains sporadic occurances of strongly broken and weakly crush rock. Broken intervals do not exceed 70cm, commonly 3-15cm wide and are moderately to strongly calcareous. P_2 and P_3 occurances are sporadic and clotty. Rock is slightly hard core is generally moderately to slightly broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2

DDH C90DY04DS (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: D. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	540.2	551.8			SBQ	
						Medium gray locally medium-light gray, strongly to moderately calcareous phyllite is CS_2 foliated with medium to medium dark gray S_2 surfaces. Interval contains 0-1% cm-scale white quartz-calcite veins 0-1% clotty B_2. locally CS_2 fabric is disrupted by and rock hosts 5-7% short clotty, irregular calcite fractures. Rock is slightly hard to very slightly soft, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	551.8	552.9			SBP2	*
						Dark gray, moderately calcareous phyllite contains a PS_2 fabric which is commonly contorted and disrupted by a post D-2 event. Calcareous nature of rock is hosted by a network of irregular discontinuous pattern of fractures closed with $CaCO_3$. Fractures consitute 10% of interval and do not exceed 2mm in width. S_2 surfaces are dark gray and very rarely weakly tarnish fingers medium gray. Interval contains 5-7% Po occuring commonly as very irregular clots and stringers rarely in bands .5 cm wide. Rock is is hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.

DDH 90DY041DS (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: A Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	552.9	554.0			369	$ (5B02 : 500) 65:20:15
						Black to very dark gray phyllite is non-calcareous, with a moderately contorted, poorly developed D_2 fabric. S_0 surfaces are black and easily tarnish fingers black. Units host 0-7% dolomite-quartz and dolomite fractures and veinlets of highly variable orientation - never exceeding 1.0cm and most often clotty when over 0.5cm. Interval contains 4-5% Po.
						500 occurs sporadically throughout interval in bands and wisps from 0.2 - 2.0cm. Contacts are slightly irregular but parallel the contorted D_2 fabric.
						5B02 occurs over the lowest 40cm of interval. Unit is medium gray to medium dark gray non-calcareous and hosts 3% dolomite stringers and clots which fill narrow (1-2mm) discontinuous irregular fractures. Lowest 5cm of 5B02 unit hosts a band supporting +70% Po. All contacts are parallel S_2
						Rock is hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	554.0	554.3			500*	(?)
						Medium green massive, strongly calcareous unit is PS_2 foliated with a weak igneous texture preserved. Rock hosts 10% chloritized mafic minerals (1mm) and 10-15% leucoxene(?). Rock is hard, unbroken and upper and lower contacts are sharp and parallel S_2.

DDH 90DY04DS (2 — 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: J. Zbetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	554.3	555.2			AGAA	* ± 7
						Strongly mineralized unit is grayish purple and grayish yellow, moderately calcareous, strongly baritic, fine to very fine grained, and well banded. Unit contains rare cm-scale bands of up to 30% Po 3-5% scattered clots of barite 1-2mm, and 0.2-1.75cm bands rich in Py. Banding dip angles relative to core axis rotate and internal folding is strongly suspected, although not readily visible. Rock is moderately hard, streaks black, core is slightly broken with excellent recovery. Upper contact is very sharp, irregular and subparallel S_2. Banding 5cm below contact is oriented 026°/69°, S_2 is oriented 75° to core axis. Lower contact is very sharp and irregular. No relationship between contact and S_2 can be established.
						ESTIMATED grade of interval is 12-15% Pb+Zn.
	555.2	555.9			AHO4	6 ± 8
						Reddish brown interval is non-calcareous, strongly magnetic moderately well banded with banding progressively steepening in dip relative to S_2 of lower unit. Unit hosts 1-2% baritic clots and 0-7% calcite clots commonly 1-3mm in diameter. Banding is locally weakly contorted with Pyrite-rich bands displaying a discontinuous behavior - boudens. Interval is fine to

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: E. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						very fine grained. Rock is very hard, core is slightly broken with excellent recovery. Upper contact is sharp and parallel banding. Lower contact is very sharp and oriented at 303°/18° relative to S_2 within lower unit. S_2 of lower unit dips 74° relative to core axis
						(?)
	555.9	556.8			3692	
						Dark bluish-gray phyllite is non-calcareous, cs_2 foliated with S_2 surfaces defined as 1-2 mm bands of black phyllite. S_2 surfaces slightly tarnish fingers when rubbed. Unit hosts 5-7% white and dark gray quartz veins barren of carbonate. Veins range from .2 - 2.5cm in width, crosscut S_2 at various relationships and contain upto 15% Po ± Py. Rock is hard to very hard. Upper contact is oriented at 303°/18° relative to S_2. S_2 is oriented at 74° to core axis. Lower contact is marked by an irregular 2cm quartz vein, roughly trending subperpendicular core axis.
	556.8	559.9			4604	
						Grayish-yellow and locally light gray unit is non-calcareous

DDH 90DY04DS (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Zbacknik

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						well banded. Orientation of banding varies greatly relative to core axis throughout interval, locally parallel core axis. Broad open fold occurs at 559.0 with axial plane oriented sub perpendicular core axis. Interval consists of 30-40% fine grained Py, locally 60-70% Py, 25-30% white mineral (baryte?), trace - 10% galena and sphalerite combined, 10-20% quartz. Interval streaks black. Local concentrations of Py is associated with 5-7% clotty calcite blobs. Calcite is often associated with medium grained sphalerite and galena - remobilized. Rock is medium soft, core is slightly broken, recovery is good throughout. Upper contact is marked by 2cm quartz vein oriented sub perpendicular core axis. Lower contact is sharp and parallel contorted S_2 fabric. Estimated grade is less than 7% Pb+Zn.
	559.9	561.4			AA04	
						Light gray and black, non calcareous phyllite is PS_2 foliated, with fabric moderately contorted. Light gray bands are domiant and very silicous. Black bands commonly leave moderate tarnish on fingers. Mineralization consists of Py and sphalerite bands commonly 2cm wide. These mineralized bands constitute 15% of interval, and are silicous with 15-20% Py, 2-20% sph. Silicous bands are hard, graphitic bands are moderately soft, core is slightly broken, recovery is good. Upper

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: D Beaufait

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and lower contacts are sharp, and parallel to a contorted S_2 fabric. Estimated grade is < 3% Pb+Zn.
						(?)
	561.4	562.0			360	
						Medium to light gray, non-calcareous phyllite is CS_2 foliated with dark gray S_2 surfaces. Unit hosts 7-10% euhedral Pyrite crystals 2-10 mm in size commonly partially replaced by P_o, occasionally total replaced by P_o. Interval contains 2% light gray and white quartz veins .5 - 3.0 cm wide. Veins are parallel S_2. Rock is medium soft, slightly broken, recovery is very good. Upper and lower contacts are sharp and parallel S_2. S_2 surfaces do not tarnish fingers.
	562.0	565.9			4E,44	(4E,44 : 4LO) 80:15:5
						Massive Sulfide units are brassy yellowish-purple locally dark reddish-purple, non-calcareous to locally very weakly calcareous, generally well banded, moderately mineralized, locally intensely mineralized. Interval folding is common.
						4LO units do not exceed 20cm in width and are light gray, soft PS, foliated and non-calcareous. 4LO at 564.6 - 564.7 supports 20% strongly carbonaceous influence.
						Intensely mineralized intervals occur at 563.65 - 564.3.

DDH 90DX04 DS

2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: ~~D.~~ Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						564.7 - 565.0, 565.3 - 565.9. Strongly mineralized interval @ 563.65 - 564.3 contains 4Lo contact parallel core axis over lowest 0.5m. Strongly mineralized intervals are estimated to contain 25 - 30% Pb+Zn. Overall grade estimate for interval is 15% Pb+Zn. Mineralization is overwhelmingly Zn dominate. Lower contact of interval is subparallel S_2 Unit looks barren but assays indicate low values
	565.9	567.7			AAQ	
						Very dark gray to black non calcareous phyllite is PS_2 foliated rarely $PS_2 \Rightarrow CS_2$. S_2 surfaces commonly tarnish fingers very dark gray to black. Unit hosts 10 - 15% stringers, clots and bands of fine grained Py often associated with very siliceous bands and clots. Sphalerite and galena occurances are rare and constitute trace of interval. A single 15cm quartz vein occurs 20cm from top of interval, vein contains 1-2% dolomite in clots. Rock is hard, core is strongly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
						Hole has been reduced to NQ at 570.0m. Reduction from HQ to NQ was to be used for collar for down hole motor - and is in no way reflecting rock or drilling conditions...

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	567.7	572.6			360	1
						Medium gray, non-calcareous phyllite is $CS_2 \Rightarrow PS_2$ foliated with medium-dark to dark gray S_2 surfaces. Interval consists of medium to finely laminated bands, sporadically distributed 0.5-1.0 cm bands are medium to light gray & moderately silicous. Frequency of silicous bands increase down hole. Unit contains 5-7% clotty trains of P_2 generally subparallel S_2. Non calcareous 1.0-10cm quartz veins are subparallel S_2 and constitute 1-2% of interval, most commonly located in upper portion of interval. 10cm gouge band occurs at 571.4. A 1cm quartz vein with slip plane contacts is oriented @ 210°/34° to S_2 @ 570.8. Slickensides rake 04° within slip plane. Rock is generally slightly soft, locally hard where silicous. Core is generally strongly broken along S_2 planes in both HQ and NQ intervals, with good recovery throughout. Upper and lower contacts are sharp and parallel S_2.
						S_2 planes commonly tarnish fingers medium gray
	572.6	575.5			370.1	
						Medium gray, non calcareous phyllite is $PS_2 \Rightarrow CS_2$ foliated with medium-dark to dark gray S_2 surfaces. S_2 planes Sporadic silicious cm-scale lamina are more common than in upper unit, and constitute 5-7% of interval. Lower meter of interval hosts 2-3mm dark gray soft porphroblasts occuring in non-silicous bands. Interval contains

DDH 90DY04DS

CURRAGH RESOURCES INC.
Lithologic Log

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Date: _____ Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						trace - 1% quartz veins and quartz ankerite stringers oriented at low angles to core axis. Rock is generally soft locally hard where siliceous. Core is strongly broken along S_2 planes with good recovery throughout. Upper and lower contacts are parallel S_2. Unit contains 1-2% clotty P_o
	575.5	576.6			4GQ	
						Medium to medium gray, non-calcareous quartite is weakly PS_2 foliated and hosts 1-3% clotty stringers of P_y, and 3-5% finely disseminated sulphides also considered to be P_y. Rock is hard & very siliceous. Core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	576.6	579.4			3GQ	2
						Medium-dark gray non-calcareous phyllite is PS_2 foliated rarely $PS_2 \Rightarrow CS_2$. Unit is poorly laminated, approaching a massive texture. S_2 surfaces are medium-dark gray and do NOT tarnish fingers. Unit contains 2% cm-scale quartz veins generally oriented at low angles to core axis. Rock is slightly hard, core

DDH 9004DS

CURRAGH RESOURCES INC.

Lithologic Log

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Date: _____ Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						is slightly locally moderately broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2
						Unit contains 0- trace Py.
	579.4	580.1			3479	
						Very dark gray to black non-calcareous phyllite is weakly PS_2 foliated, and tends to a massive texture. Lamina are common several cm thick. S_2 surfaces tarnish fingers very dark gray to not quite black. Unit contains 5-7% clots are rare stringers of Py, and 1-2% cm-scale quartz veins. Rock is hard, slightly broken with good recovery. Upper contact is sharp, parallel S_2 and marked by cm-scale quartz vein. Lower contact has not been cored.
	580.1	598.3			N/A	No recovery. Interval has not been cored, interval was drilled using downhole motor. See 9004-W1 which represents wedge interval drilled with coring procedures.

C.R.I. 1987 E-3A

DDH 90DX0405

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	598.3	600.3			5C4	Gouge zone
						Light buff to very light gray gouge zone is very weakly calcareous (10% HCl). Gouge hosts 10% wall rock and exotic fragments. Most fragments are also buff to very light gray, angular and matrix supported. More rare are medium gray 5B0 fragments and localized concentrations of fuchsite within a buff matrix. Rock is very soft, and consists of gouge. RQD is 0% recovery is fair to good.
						Upper contact has not been cored, indications by erratic nature of down hole motor and water pressure support gouge to begin at an estimated hole depth of 597.3 m. Lower contact is crushed and intensely broken, but does appear to be subparallel to S_2 and does certainly crosscut shear fabric. No readable measurment possible
	600.3	604.1			5B6	FAULT ZONE
						Medium gray non-calcareous phyllite is very strongly broken and crushed, 2-3cm gouge bands are common. Fractures are very caotically oriented. 1-3 cm blocks of phyllite often display a well developed CS_2 fabric. Fracture planes commonly host an extremely fine grained, non lithified, bone white clay filling. Filling is non-calcareous and non dolomitic. Sporadic intervals of crushed and broken rock (10-25cm wide) are strongly tarnished to a yellow-brown (oxidized (?)). Qtz vn fragments are very rare. RQD is 0%, recovery is generally good, locally poor. (30% at 603.5-604.1). Upper contact appears to be approximately subparallel S_2, lower contact is gouge and

DDH 90DY04-DS

CURRAGH RESOURCES INC.
Lithologic Log

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Date: _____ Logged By: J. Zbeckoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						intensely crushed. No attitudes available.
	604.1	605.2			5C4	FAULT ZONE
						Very light gray-buff to buff, non-calcareous, non-dolomitic unit is generally crushed, very strongly broken and locally supports 2-7cm gouge bands. Rare occurances of fuschite suggest a 5C0 origin for rock type. Bone white clay occurs along fractures and voids. Clay is not lithified and is extremely fine grained. Two 10-15cm blocks of 5C4 near lower contact are supported by crushed and gouged rock. These blocks are soft. Recovery is generally good. Upper contact is crushed and gouged, lower contact is oriented 55° to core axis.
	605.2	605.9			5B6	FAULT ZONE
						Light gray phyllite is sporadically weakly to very weakly dolomitic, and strongly broken, locally crushed. Fracture orientation varies from 10° to 40° to core axis, commonly oriented 30° to core axis. Fuchsite is extremely rare and is limited to clots within slip planes on fractures => exotic fragments of 5C4. RQD is 0%, 2-3cm blocks of phyllite are slightly hard and very soft on fractured surfaces. Upper contact is oriented 55° to core axis and lower contact is oriented 40° to core axis

DDH 9UDY04DS

CURRAGH RESOURCES INC.
Lithologic Log

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Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	605.9	608.7			5C4S	Broken interval
						Buff-brown rock is fine grained, generally massive, sporadically weakly dolomitic, moderately broken, quartz veined and locally gouged. Fuchsite has not been noted in core. Unit hosts a 40cm quartz-ankerite vein (moderately to strongly broken) at 607.3. Vein is locally weakly dolomitic. A very weakly calcareous gouge zone occurs at 608.0-608.3. Gouge is yellow buff and turns greenish buff after reacting with 10% HCl. Unit is soft and when strongly ground and scratched - powder very weakly reacts with 20% HCl - dolomite? ankerite? Upper contact is oriented 40° to core axis. Lower contact is broken but hosts a minor block of 5B6 with contact oriented at 25° to core axis. 5B6 block is exotic.
	608.7	610.0			5C4S7	
						Buff-brown and green unit is weakly to moderately dolomitic, PS_2 foliated and slightly to moderately broken. Buff matrix hosts 20% strongly chloritized highly stretched (1-2mm X 4-5mm) clots elongated what is interpreted as S_2 (oriented 75° to core axis). Fuchsite is common and occurs in stringers and also as wisps parallel chloritic clots. Interval is generally slightly to moderately broken with rare gouge bands in width of 1-2cm and of varing orientations. Rock is soft and recovery is good

DDH 90DX04-DS

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: J. Sheehy

Codes	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Upper and lower contacts are broken and no orientation measurements are possible.
	610.0	611.8			5B6$	(3G0) 98:02 FAULT ZONE
						Medium grey phyllite is weakly to locally moderately dolomitic, PS_2 fabric consists of fine laminations of very light grey and medium grey bands (<1mm). Lowest 20-15cm of interval is medium to dark grey, massive and interpreted as 3G0. Interval is strongly broken locally crushed and gouged. Fractures are commonly coated in bone white extremely fine grained non lithified clay. Broken intervals are dominantly along S_2; far less common are fractures oriented at low angles to core axis. Rock is soft; RQD is 0%. Upper contact is broken, lower contact is oriented 89° to core axis
	611.8	614.1			5C04	3$ (5B4) 95:05 ± Broken
						Medium to light grayish-green rock is weakly to very weakly calcareous, locally weakly dolomitic. Rock contains a moderately well preserved fine grained igneous texture. Bone white non calcareous extremely fine grained clay occurs in fractures and clots; often moderately lithified. Upper 30cm of interval hosts 5B4 => 5F0 with a well developed

DDH 90DY-04-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: D. Seethaler

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						CS_2 fabric and a variable calcareous nature varing from nil to weak. CS_2 unit is medium buff green. Rock is soft, generally strongly broken very strongly broken below 613.6. Upper contact is oriented 52° to core axis. lower contact is obscured in strongly broken core.
	614.1	615.0			5C84	strongly broken light buff brown rock is intensely dolomitic, massive and contains a weak PS_2 fabric. Bone white clay is common and occurs within fractures and in voids. Clay is generally competant. Rock has been replaced by dolomite. Protolith could be anything, although upper and lower units are identical 5C0 units and contain similar massive texture as this 5C84 unit! Rock is soft to very soft, and core is strongly broken. Recovery is good. Upper and lower contacts are sharp but strongly broken and no orientation is available.
	615.0	618.0			5C08	* Strongly broken and crushed light green, massive, moderately dolomitic unit. Contains a well preserved fine grained igneous texture and a weak PS_2 fabric. Interval is strongly broken and often crushed, bone white clay is very common and generally occurs along fractures, more rare are clots and voids

DDH 90DY04DS

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: S. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						hosting the clay. Calcite is fairly common and alway occurs within moderately to well healed closed fractures. Rock is soft, strongly broken locally crushed. Recovery is good. Upper and lower contacts are strongly broken but appear to be sharp.
	618.0	619.6			15CH$	(5BO) 95:05 Strongly broken. Medium to light buff brown weakly dolomitic rock is strongly broken and gouge in 0.5-1.0cm bands is very common. Unit commonly display a moderately well preserved fine grained igneous texture. 5BO occurs in 2.0-10cm bands and is commonly crushed - orientations are variable. Bone white clay is not common and occurs as very poorly lithified fillings in fractures. Rock is soft, strongly broken with good recovery. Upper contact is sharp and strongly broken. Lower contact with intense gouge zone is sharp.
	619.6	625.2			15GG22	* GOUGE ZONE Medium to dark gray gouge zone is generally weakly calcareous and fine grain pyrite is very common. Gouge contains a very strong shear fabric generally oriented @ very

DDH 90DY-04-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: D. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						low angle to core axis. Gouge supports 20-30% wall rock fragments of variable composition. Fragments are generally 1cm in size and are 5C48, 5B0(?) 360(?) in composition. Locally gouge is medium buff incolor and these bands are generally 20-40 cm thick with contacts parallel shear fabric. 5B0 slip faces occassionally slightly tarnish fingers medium to light gray. Upper contact is sharp and oriented 060°/54° to S_0. This dip differs greatly from shear fabric which is generally 0-<10° to core axis. Lower contact is gradational noted as a progressive increase in rock competancy, but RQD remains 0% thoughout. Gouge is very soft and friable.
	625.2	628.3			5B62	(5C0: 5B7) 88:02:10 strongly broken ± crushed rock & gouge. Medium dark to dark gray phyllite is non calcareous, rarely weakly dolomitic, PS_2 foliated with fine laminations and hosts minor bands of 5C0 and 5B7(?). Calcite occurances are sporadic and are limited to fractures of variable orientation. 5C0 & 5B7(?) units occur in bands 25cm wide or less, and are commonly moderately calcareous. Rock is generally strongly broken, often crushed, rarely gouged. RQD is generally 0% except for interval 626.7-627.2 where RQD is 100%. All units are soft and recovery is

DDH 90DV-04-DS

CURRAGH RESOURCES INC.

Lithologic Log

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Date: _____ Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good throughout. Upper contact is gradational and noted as an increase in rock competency down hole from upper unit. Lower contact is also gradational and noted as an increase in greenish gray alteration down hole.
	628.3	635.5			5167*	(500* : 520*) 75:25:00 Medium to medium light greenish-gray interval is generally moderately to strongly calcareous. Interval consists of a caotic sequence of narrow bands of 500* and 520* within a variably altered calcareous phyllite. Interval is strongly to very strongly broken with sporadic narrow crushed zones, gouge is extremely rare and limited to bands <1.0 cm wide and parallel PS_2 fabric. Rock is slightly hard rock very soft. RQD is <10%. Upper contact is gradational. Lower contact is sharp, parallel S_2 and marked by <1.0 cm gouge band.
	635.5	1649.2			3609	Dark gray non-calcareous phyllite is generally PS_2 foliated often lacking in distinct laminations. Sporadic occurrences

DDH 90DX041-DS

2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: A Zbeda

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						at a well defined CS_2 fabric with SBG similarities are sporadic and generally occur in 5-25 cm bands. Po is very common, constituting 5-7% of the interval and occuring as massive clots and stringers parallel to subparallel S_2. S_2 surfaces are black and commonly moderately tarnish fingers very dark gray to black. Core is slightly broken, moderately broken over upper 0.7 metres. Rock is hard and recovery is good. Upper contact is sharp and marked by a <1.0 cm gouge band oriented parallel S_2. Lower contact is sharp and marked by a 8 cm quartz vein oriented parallel S_2
	649.2	658.5			36P	(5C0* : 5D0) 96:03:01
						Medium gray non-calcareous phyllite contains a $PS_2 \Rightarrow CS_2$ fabric and rarely contains a well developed CS_2 fabric. S_2 surfaces often slightly to moderately tarnish fingers light to medium light gray. Interval contains 3-5% clotty Po and 0-1% cm scale quartz veins generally oriented parallel to subparallel S_2. Rock is hard, moderately broken. Recovery is good though. Upper contact is sharp and marked by an 8cm quartz vein oriented parallel S_2. Lower contact is marked at the top of an interval containing moderate quartz injection.
						5C0* unit occurs at 656.5-656.8, and is

DDH 90DX04DS

2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: E. Sheet

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						strongly calcareous, medium gray wk green, weakly PS_2 foliated and contains a very poorly preserved igneous texture. Contacts are parallel S_2 and sharp.
						500 units are rare and do not exceed 3cm in width. Units are olive green to olive buff, non calcareous and have sharp contacts parallel S_2.
	658.5	662.3			3691	
						Medium to medium dark gray phyllite is non calcareous PS_2 foliated, rarely CS_2 foliated with S_2 surfaces medium and dark gray. S_2 surfaces moderately tarnish fingers very light gray. Interval contains 5-7% vein quartz generally oriented parallel S_2 and 5% clotty and massive Po. Rock is generally hard moderately broken, with good recovery throughout. Upper contact is marked by the first occurrance of abundant quartz vein matter. Lower contact exists below 662.3.
		662.3				END OF HOLE

DDH 90 DY 04 DS CURRAGH RESOURCES INC.

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Logged by S. Zycelift

ASSAY LOG (SAMPLER'S COPY) Date Oct 90 Sampled by S. Z

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	554.3	555.2	65101	0.9	0.9	4G0	
	555.2	555.9	65102	0.7	0.7	4H04	
	555.9	556.8	65103	0.9	0.9	3G02	
	556.8	557.8	65104	1.0	1.0	4G4	
	557.8	558.5	65105	0.8	0.8	4G4	
	558.5	559.4	65106	0.9	0.9	4G4	
	559.4	559.9	65107	0.5	0.5	4G44	
	559.9	560.6	65108	0.7	0.7	4A0	
	560.6	561.4	65109	0.8	0.8	4A0	
	561.4	562.0	65110	0.6	0.6	3G0	
	562.0	562.9	65111	0.9	0.9	3G0	
	562.9	563.9	65112	1.0	1.0	4EC4	
	563.9	564.7	65113	0.8	0.8	4EC4	
	564.7	565.3	65114	0.6	0.6	4EC4	
	565.3	565.9	65115	0.6	0.6	4EC44	

DDH 90DY04.DS (2 – 8)

CURRAGH RESOURCES INC.
Fault Log

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Date: ____ Logged By: J. Zbeetalk

Code	FROM	TO (At)	Feature	REC.	UPPER Dip	UPPER Direct	INTERNAL Dip	INTERNAL Direct.	LOWER Dip	LOWER Direct	Description
1	10 – 14	16 – 20	22 – 24	26	28	32	34	38	40	44	
	99.6	102.9		1	31	?	03	?	51	284	Strong crushed locally gouged interval. Dominate shear fabric is subparallel core axis
	131.2	133.6		2	14	343	?	?	?	?	Strongly crushed locally gouged Dominant shear fabric subparallel core axis.
	135.5	137.3		3	19	014	—		—		Strongly crushed, moderately gouged interval. Shear fabric commonly subparallel core axis.
	153.4	153.8			19	000					FAULT consists of strongly crushed rock and gouge. Well developed slickensides are oriented 87° to core axis. Breccia fragments within fault zone consist of local lithologies: phyllite, and quartz carbonate vein material.
	161.6	166.9			44	090			31	011	MAJOR FAULT: Extensive gouge and crushed rock. S_2 is highly variable within blocks not crushed by fault => often subparallel core axis!
	245.6	249.4									Strongly broken locally crushed and gouged. no relayable measurements available.

DDH 90DY045 (2–8) CURRAGH RESOURCES INC. Page 86 of _____

Fault Log Date: _____ Logged By: P. Brett

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		
	294.6	295.7									Interval strongly broken down, S_2, moderate zones of crushed rock, minor gouge. No measurements available other than dominant S_2 fractures
	312.8	313.3			15	018			55	015	Strongly broken interval, minor gouge with crushed rock
	317.5	318.5									Upper 25cm consists of gouge, lower portion is strongly to moderately broken. Fabric and contacts suggest coincident orientation with S_2
	353.1	353.6									Soft rock and gouge zone, upper and lower contacts are parallel S_2. Internal fabric of cm-scale gouge band(s) wander, at variable angles, down core axis.
	403.8	407.0			47	270					FAULT zone generally consists of well healed breccia. Occasional open shear is filled with gouged and crushed SR2. Dips of open shears vary from 70–25°.

DDH 90DY04DS (2–8) CURRAGH RESOURCES INC.

Fault Log

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Date: Logged By: J Zbeetnoff

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	
	411.8	412.9			24	094	—		22	094	Fault consists of 5B2 matrix supporting 20-30% polymitic angular fragments 0.3-1.5cm in diameter. Fault is locally moderately competant, locally gouged (50%) Fault is generally at a low angle to core axis.
	423.0	423.1			—		39	059	—		Gouge of 5B2 with sharp contacts upper & lower
		425.1			—		26	340	—		3cm gouge zone - 5B0(?)
		426.6			—		25	065	—		1-2cm gouge zone 5B2
	430.2	431.7			16	047	10	024	13	326	Sporadic low angle faults of 5B2 gouge (1-3cm wide) faults are separated by moderately broken competant blocks. (Minor Zone)
	440.2	440.6			—		—		—		Band of strongly broken, locally moderately crushed rock. No orientation available
	441.3	445.4			—		—		34	156	Low angle well healed fault zone generally consists of moderately competant rock. Local wisps on bands of gouge occur

DDH 90DY04DS (2–8)

CURRAGH RESOURCES INC.
Fault Log

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Date: ____ Logged By: D ZBLETNOFF

Code	FROM (10–14)	TO (At) (16–20)	Feature (22–24)	REC. (26)	UPPER Dip (28–32)	UPPER Direct	INTERNAL Dip (34–38)	INTERNAL Direct.	LOWER Dip (40–44)	LOWER Direct	Description
											at low angles relative to core axis
	448.4	448.8			73	235	—		64	146	Fault consists of calcareous gouge
	466.8	469.5			47	—	—		33	223	Well healed shear/fault consists of moderately competant rock with trace 1cm bands of 5B2 gouge. Interval is only slightly broken
	480.9	481.7			24	163	—		46	222	Crushed, broken and gouged zone is moderately calcareous. Fault contains 5% gouge.
		511.7			18	294	—				3cm gouge and crushed zone
	512.4	512.5			—		—		22	018	3cm gouge band with sharp upper and lower contacts is oriented at a shallow angle relative core axis
	513.9	520.6			—		—				Strongly broken zone supports fracture overwhelmingly parallel S_2, rarely fractures

DDH 90DY04DS (2 – 8)

CURRAGH RESOURCES INC.
Fault Log

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Date: ____ Logged By: J. Zbeckett

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	
								are oriented at low angles relative core axis Gouge bands are very rare, do not exceed 5cm and are of variable orientation (// S_2 => 20° to core axis).
	527.3	530.3						Strongly broken zone very similar to above interval (513.9 - 520.6) Gouge zones are very rare and do not exceed 3cm widths.
	532.0	532.7						Strongly broken zone, locally crushed with sporadic gouge. Trend of crushed ± gouged zone is irregular oriented slightly oblique to core axis
	598.3	605.9				21 N/A	20 N/A	MAJOR FAULT ZONE: Hanging wall contact has not been cored, fault intersected while drilling with down hole motor - no recovery. ESTIMATE is begining of gouge is 597.3 (?) ± a bit. Intense gouge above 600.5 Intensely crushed below 600.5

DDH 90DY04DS (2 — 8) CURRAGH RESOURCES INC. Page 90 of _____

Fault Log Date: _____ Logged By: J. Bedwell

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	
								with gouge throughout. Slickenside oriented 64° to core axis. Extremely well developed slip planes near lower contact are curved; rotating from 20° ⇒ 30° to curved axis with well formed Slickensides raking from 60° to 160° with Shear Fabric plane.
	605.9	619.6						Broken zone: Interval is generally very strongly broken, locally gouge and intensely crushed rarely only moderately broken. Fractures filled with bone white clay - ? talc ? consistently oriented at very low angles to core axis are very common. Sporadic Slickensides also indicate horizontal component of movement.
	619.6	626.7			48 955	05 020	20 910	Intense Gouge Zone: Dark gray matrix supports 10-20% becciated fragments occuring in very strong shear fabric as trains. Shear fabric is generally 0-10° to core axis rarely upto 20°. Slickensides are not common and when located indicate

DDH 90DY04DS CURRAGH RESOURCES INC.

Fault Log

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Date: Logged By: J. Zbeetuff

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	
								Slip directions raking 10-20° within shear fabric
	626.7	636.3						strongly broken zone: interval is generally strongly broken - often along S_2 planes. Rare are zones of moderate broken ground, crushed rock and gouge.
		662.3						END OF HOLE

DDH 90DY-04 DS CURRAGH RESOURCES INC.

metres

Structural Log

Date: Aug 26/90 Logged By: JAZ

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		18.3	PIS12				714	micaceous foliation
S		112.3	PIS12				611	micaceous foliation
S		113.6	PIS12				615	$S_1 = S_2$ = foliation + compositional banding
S		121.3	PIS12				619	elongated mafic grains in pyroxenite
S		125.5	PIS12				514	elongated mafic grains in pyroxenite
S		129.0	CIS12	M		211 114.0	615	S_1 = compositional banding S_2 = pressure striping - micaceous foltn
S		130.7	CIS12	S		217 310.8	610	S_1 = compositional banding S_2 = micaceous foliation
S		131.5.5	PIS12				312	PS2 — micaceous foliation + elongated mafic grains gouge &
								shear just above
S		141.1.0	CIS12	Z		317 210.0	616	S_1 = compositional banding S_2 = micaceous foliation
S		143.2	CIS12	S		215 314.5	615	S_1 = compositional banding S_2 = crenulation cleavage
S		148.2	CIS12	S		316 0.31.1	717	S_1 = compositional banding S_2 = micaceous foliation
S		155.0	CIS12	Z		010 0.5.14	719	S_1 = compositional banding S_2 = micaceous foliation
S		157.7	CIS12	M		11 118.7	617	S_1 = compositional banding S_2 = micaceous foltn
S		164.6	CIS12	S		115 110	711	S_1 = compositional banding S_2 = micaceous foltn crenulage
								11 4 4 11
S		168.6	CIS12	Z		113 119.3	619	
S		174.8	PIS12				614	micaceous foltn
S		178.5	CIS2D			010 314.2	812	S_1 = comp. banding S_2 = crenulage // micaceous foltn.
S		183.0	CIS12	S			714	highly strained S_1 transposed close to S_2 - difficult to measure
S		186.8	PIS12				815	micaceous foltn.
S		193.0	PIS12				712	micaceous foltn.
S		196.6	PIS12				513	micaceous foltn
		199.0	PIS12				714	breaking pattern in core. ↕ ended
		10H.2	CIS12	M			511	weak micaceous foliation
		1.10.3	CIS12	S		713 315	710	S_2 now planar, macro crenulation coincident with S_2
		113.8	CS12	S		29 061	716	mic. foltn
		117.3	CS12	Z (?)		30 038	713	mic. foltn
		122.7	CS12	Z		22 212	716	mic. foltn.
		126.1	CS12	Z		20 112	712	
		129.9	CIS12	Z		19 186	610	
		134.9	CS12	Z		15 146	719	irregular S_2 surfaces
		137.9	CS12	Z		30 195	719	irregular S_2 surfaces
		142.8	CS12	Z		20 157	714	
		147.3	CS12	Z		26 335	810	
		151.4	CS12	Z		27 296	716	
		154.5	CS12	Z		202 211	618	

DDH 90DY04DS (2 – 8)

CURRAGH RESOURCES INC.
Structural Log

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Date: ____ Logged By: F. Zbeelatt

Code (1)	From (10–14)	To (16–20)	Feature (22–24)	Sym (26)	L38 Dip (28–32)	Direct.	S_1 Dip (34–38)	Direct.	S_2 Dip (40–44)	Direct	Description
1545		158.2	PS2						52		
		160.6	CS2	Z	19	–	23	190	38		
		168.0	CS2	S	19	–	16	063	84		Poorly defined S_1, suspect measurement.
		171.0	CS2	Z	45	–	38	246	82		
		176.4	CS2	Z	34	–	31	219	62		
		178.7	PS2						78		
		183.1	CS2	S	32	–	20	353	76		
		187.9	CS2	Z	165	–	34	162	75		
		190.4	CS2	S	095	–	26	097	74		
		197.5	CS2	S	N/A	–	47	335	60		
		201.5	CS2	Z	174	–	24	175	78		
		204.0	CS2	S	54	–	16	213	75		
											205.7 - 236.2 : interval drilled with down hole motor - no recovery
		237.0	CS2	Z	N/A	–	18	235	80		
		239.7	CS2	Z	175	–	42	162	78		
		244.1	CS2	S	04	–	29	031	81		
		247.0	PS2						44		
		250.0	PS2						68		
		255.0	PS2						66		
		259.7	CS2	M	123	–	05	349	79		poorly defined CS_2
		262.1	CS2	M	058	–	05	014	79		
		269.3	CS2	M	173	–	03	152	70		
		272.5	CS2	S	11	–	17	337	84		
		274.4	CS2	Z	27	–	11	025	71		
		280.2	PS2						74		inconsistant CS_2 fabric !
		282.9	CS2	Z	129	–	11	128	80		
		287.1	CS2	Z	38	–	24	220	79		
		293.8	PS2						84		
		297.8	CS2	Z			12	222	80		S_1 orientation is variable !
		302.1	CS2	Z			10	232	82		
		305.5	PS2						74		
		309.8	CS2	S	133		16	313	79		
		313.5	PS2						78		
		318.6	CS2	S	87		55	329	85		

DDH 90DX04PS (2 — 8) CURRAGH RESOURCES INC.

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Date: _____ Logged By: J Sackville

Code	From	To	Feature	Sym	Dip 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 36	38	40	44	
		322.5	CS2	S	139	42	117	88		
		324.1	CS2	Z	75	15	279	71		
		331.2	CS2	Z	86	24	252	80		
		335.7	PS2	—	—	—	—	84		
		339.8	PS2	—	—	—	—	72		
		344.2	PS2	—	—	—	—	74		
		348.7	CS2	Z	517	33	265	89		
		351.2	CS2	S	38	47	048	82		
		354.7	CS2	S	145	08	136	75		
		359.1	PS2	—	—	—	—	81		
		364.3	CS2	Z	57	33	247	80		
		369.4	PS2	—	—	—	—	80		
		373.1	PS2	—	—	—	—	78		
		377.5	CS2	M	18	—	916	83		highly variable S_1 orient.!
		383.2	CS2	Z	114	30	112	85		S_2 very irregular
		386.5	CS2	S	—	22	321	77		
		390.1	CS2	Z	45	43	220	78		
		396.1	CS2	Z	62	22	228	53		
		403.0	CS2	S	—	15	044	70		
		408.2	CS2	S	120	20	307	75		
		419.0	CS2	S	071	29	052	84		
		416.6	CS2	Z	030	08	197	83		
		419.5	CS2	S	063	21	035	79		
		425.0	CS2	Z	—	15	159	68		
		429.7	CS2	S	63	14	049	77		
		432.5	CS2	S	152	13	332	83		
		435.1	CS2	S	159	34	010	60		
		439.1	CS2	Z	—	14	195	70		
		445.7	CS2	Z	38	13	201	86		
		450.5	CS2	Z	—	21	200	71		
		454.2	CS2	S	—	18	029	78		
		458.5	CS2	S	29	26	023	60		
		462.8	CS2	S	—	13	958	62		
		465.2	CS2	Z	57	22	248	73		
		470.7	CS2	Z	155	15	220	85		
		475.6	CS2	S	≠	17	311	83		

180
360

DDH 90DY04DS (2 8) CURRAGH RESOURCES INC.

Structural Log

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Date: Logged By: J. ZBEETNOFF

Code	From	To	Feature	Sym	S_3 Dip	S_3 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	
		478.2	CS2	S	145		22	315	77		
		484.1	CS2	Z	61		21	229	76		
		486.3	CS2	Z	41		12	038	77		
		490.9	CS2	S	22		22	013	84		
		495.0	CS2	Z	92		14	259	79		
		499.7	CS2	Z	64		20	240	83		
		502.5	CS2	Z	28		18	188	76		
		508.1	CS2	Z	—		22	252	78		
		510.6	CS2	S	78		10	032	75		
		514.7	CS2	S	61		44	063	78		
		520.7	CS2	Z	03		22	175	73		
		525.8	CS2	M	73		04	062	72		
		530.9	CS2	Z	70		32	180	62		
		534.8	CS2	Z	32		30	274	64		
		537.8	CS2	S	90		28	040	81		Suspect S_1 reading!
		540.7	CS2	S	47		17	044	69		
		544.6	CS2	Z	52		26	214	72		
		550.2	PS2		—		—		79		
		554.3	CS2	S	—		69	026	67		Upper contact of ore
		555.9	CS2	S	—		18	303	—		lower ore contact
F		559.0	—	F	—		00	—	—		Broad open fold oriented
											@ 90° to core axis
		561.6	CS2	Z	149		55	149	76		S_1 fabric relative S_2
		569.0	CS2	Z	168		18	180	78		
		570.9	CS2	Z	121		19	164	73		
		574.8	PS2		—		—		62		
		576.6	PS2		—		—		44		
	580.1	598.3	—		—		—		—		No recovery - drilled
											with down hole motor.
		601.0	PS2		—		—		70		
		605.2	PS2		—		—		73		
		612.0	CS2	S	10		08	345	75		
		618.2	PS2		—		—		60		
		619.0	PS2		—		—		78		
		627.0	PS2		—		—		53		
		631.9	CS2	S	—		21	009	57		

ore

DDH 90DY04DS (2–8) CURRAGH RESOURCES INC.

Structural Log

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Date: Logged By: J. Zbectnik

Code	From	To	Feature	Sym	Dip Direct. L3		S_1 Dip Direct.		S_2 Dip Direct		Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
		633.9	CS2	S	—		18	017	76		
		638.4	CS2	S	121		11	025	73		
		643.8	CS2	Z	—		20	211	77		
		648.3	CS2	Z	110		23	280	75		
		651.2	CS2	Z	—		19	222	72		
		654.7	CS2	Z	122		23	208	53		
		658.4	PS2		—		—		66		
		662.2	PS2		—		—		71		
											END OF HOLE

10cm lengths.

PROJECT _____ DRILLHOLE NO. 90 DY-04-DS COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Zbeetnoff INCLINATION _____ ELEVATION _____

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PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
3.7		0.5		0.1				6	E							8	rubble
4.6		0.3		0				6	E							9	rubble
5.2		0.7		0				7	E							11	
6.1		0.85		0.1				6	E							12	
7.3		1.0		0.8				6	E							16	rubble is common
8.2		1.2		0.4				9	F							10	
9.8		1.3		0.2				9	F							18	
11.4		1.7		1.0				10	F							22	
14.6		3.2		1.1				9	F							45	
17.4		2.9		1.8				10	E							27	
18.3		0.8		0.65				10	E ⇒ F							6	
21.3		2.9		0.9				9	E							29	
24.1		2.2		0.6				7	E							17	Locally strongly broken, gouge at 23.9-24.0
25.2		0.9		0.4				10	E							8	
26.8		1.6		0.85				10	F							18	
28.5		1.6		1.0				10	E							18	
30.0		1.3		0.65				9	F							17	
32.6		2.5		1.35				10	D							29	Very soft at 31.9 - 32.6
33.5		0.9		0.4				10	E							9	
35.4		1.5		0.5				10	E							25	gouge and rubble at 34.8 - 35.4
36.0		0.5		0.15				9	E							8	
39.0		3.0		1.3				12	E							29	
40.8		1.8		1.0				10	E							25	
43.9		3.0		1.75				10	E							36	
47.1		3.2		2.1				12	E							26	
50.3		3.2		2.5				10	E							21	
53.3		3.0		2.9				13	E							11	
54.9		1.6		1.4				12	E							8	

Fig. 1. Typical rock mechanics core log.

90DY-04-DS

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

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Sweetnam INCLINATION _____ ELEVATION _____

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PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
57.9		3.0		2.6				13	F							20	
61.0		3.1		2.6				14	F							16	
64.0		3.0		2.3				12	F							26	
67.1		3.1		2.6				13	F							16	
70.1		3.1		2.4				13	F							24	
73.2		3.0		2.8				14	F							12	
76.2		3.0		2.9				14	F							10	
79.3		3.1		2.65				13	F							14	
82.3		3.0		2.1				13	F							13	
85.3		2.9		2.2				12	F							26	
88.4		3.1		1.85				12	F							22	
91.4		3.0		2.9				14	F							14	
94.5		3.1		2.1				13	F							21	
97.5		3.0		2.2				12	F							22	
100.1		2.3		1.2				10	F							N/A	Very soft ± gouge below 99.6
101.2		2.4		0				2	F							N/A	Very soft - fault zone
102.3		1.1		0				2	F							N/A	" " fault zone
103.7		1.4		0.1				2	F							N/A	very soft fault zone above 102.9
106.1		1.8		1.1				9	F							20	
106.7		0.5		0.1				7	F							12	
109.7		1.6		1.0				9	F							23	Locally strongly broken zone 3m
112.6		2.9		0.95				9	F							46	
114.9		2.2		1.05				10	F							25	
115.8		0.9		0.6				10	F							11	
118.6		2.9		1.6				10	F							30	
121.8		3.2		1.25				7	F							46	strongly broken from 120.5 - 121.4
125.0		3.2		1.9				10	F							37	
128.0		3.0		2.6				12	F							14	

Fig. 1. Typical rock mechanics core log.

90DY04-DS

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

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Zbeetnoff INCLINATION _____ ELEVATION _____

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PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
—																	
131.1		3.1		2.4				12	F							21	
134.1		3.0		0.1				3	F							27	FAULT Subparallel Core axis (crushed
136.6		2.5		1.0				10	E							27	local fault gouge & crushed rock
139.8		3.1		2.0				12	F							25	Local " " " " "
142.8		3.0		2.45				13	F							20	
143.3		0.5		0.3				10	F							5	
146.3		3.0		1.9				10	F							28	
149.4		3.1		1.3				9	F							41	
152.4		3.0		1.6				9	F							49	
152.7		0.3		0				9	F							4	strongly crushed @ 153.4 - 153.8
155.5		2.8		0.2				7	F							51	
157.4		1.9		0.8				10	F							33	
158.5		1.1		0.4				9	F							15	
159.9		1.4		0.1				9	F							28	
161.5		1.4		0.3				7	F							27	
162.9		1.2		0				1	F							N/A	FAULT - Gouge with occasional crushed rock
164.6		1.4		0				2	F							N/A	FAULT Gouge and crushed rock
165.8		1.1		0.1				6	F							16	minor crushed zones >10cm
167.5		1.6		0				6	F							30	Sporadic gouge zones upto 40cm
170.7		3.2		0.4				7	F							64	
173.7		3.0		1.9				12	F							36	
175.6		1.9		1.35				12	F							14	
178.8		3.1		2.35				12	F							27	minor crushed zones at 177.2 & 178.5'
182.0		3.2		3.1				13	F							11	
185.2		3.2		2.8				10	F							20	
185.9		0.7		0.7				13	F							2	
189.0		3.1		1.85				12	F							28	

Fig. 1. Typical rock mechanics core log.

aq-DY-04-05

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

LOCATION _____ HOLE SIZE HQ/NQ E _____ PAGE __ of __

LOGGER J. Zbeetnoff INCLINATION _____ ELEVATION _____

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PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
191.7		2.7		1.0				9	F							38	Strongly broken & crushed 190.9 - 191.7
192.0		0.3		0.1				6	F							8	
193.2		1.1		0.95				13	F							4	
195.1		1.8		0.8				9	F	↑						27	strongly broken at 193.8 - 194.6
198.1		3.0		1.65				10	F	↑						34	
198.7		0.5		0.35				12	F	HQ						3	
201.2		2.5		1.6				10	F	NQ						25	
203.3		2.3		1.0				10	F	NQ						27	
205.7		2.3		1.0				9	F	NQ						24	205.7 - 236.2 - drilled with downhole motor - no recovery
237.7		1.5		0.55				9	F	HQ						19	
240.5		2.9		1.35				10	F	↓						31	
242.3		1.8		1.3				12	F	↓						18	
243.5		1.2		1.2				13	F							4	
246.1		2.6		1.5				12	F							29	strongly broken below 245.6
247.7		1.6		0.5				7	F							30	strongly broken interval
248.4		0.7		0.1				6	F							16	locally very strongly broken, local gouge
249.8		1.4		0				6	F							37	Very strongly broken and crushed above 249.8
251.9		2.1		0.65				7	F							38	
255.1		3.2		1.6				9	F							46	
255.9		0.5		0				7	F							14	strongly broken interval
259.1		3.2		1.6				12	F							39	
262.1		3.0		2.2				12	F							23	
265.2		3.1		2.85				12	F							29	
268.2		3.0		2.1				12	F							28	
271.3		3.1		2.15				13	F							27	
273.0		2.7		1.2				12	F							18	
274.3		1.3		0.7				10	F							12	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY043S COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE HQ E _____ PAGE __ of __

LOGGER J. Sexton INCLINATION _____ ELEVATION _____

P.101

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
276.3		1.9		1.0				12	F							22	
279.4		3.1		1.9				13	F							24	
282.5		3.1		2.5				13	F							26	
285.8		3.2		1.9				10	F							35	
289.0		3.2		1.7				9	F							31	
292.2		3.0		1.15				9	F							36	minor local gouge < 5cm
295.1		2.9		1.45				9	F							34	crushed zone below 294.6
298.4		3.2		2.2				10	F							25	gouge crushed zone above 295.7
301.6		2.3		2.2				10	F							27	
304.8		2.7		1.4				7	F							35	local moderately broken intervals
307.9		3.2		1.7				10	F							25	
310.9		3.1		1.85				10	F							26	
313.9		3.0		1.1				9	F							45	strongly broken with gouge 312.8 - 313.3
314.9		1.0		0.3				9	F							11	
316.1		1.2		0.1				9	F							22	
316.4		0.3		0				7	F							5	
317.6		1.2		0				7	F							21	Gouge below 317.4
320.0		2.4		0.65				9	F							29	Gouge and strongly broken above 318.5
323.1		3.1		1.9				12	F							33	
326.1		3.0		2.2				12	F							15	
329.2		3.1		1.3				10	F							43	sporadic gouge zone < 10cm thick
332.2		3.0		2.5				12	F							20	
335.3		3.1		1.4				12	F							20	
338.3		3.0		2.9				12	F							9	
340.6		2.3		1.7				10	F							21	
341.4		0.8		0.6				12	F							3	
344.4		3.0		2.6				12	F							17	
347.5		3.1		2.75				10	F							15	

Fig. 1. Typical rock mechanics core log.

TBC

PROJECT _____ DRILLHOLE NO. 90DY04 DS COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Zbeetnoff INCLINATION _____ ELEVATION _____

P. 102

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS	DEGREE OF BREAKAGE CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
350.5		3.0		1.8				9	F							25	
353.6		3.1		1.35				9	F							+29	broken & gouge below 353.1
356.6		3.0		2.15				12	F							26	
359.7		3.1		3.1				14	F							4	
362.7		3.0		2.8				12	F							12	
365.8		3.1		2.3				10	F							20	
368.8		3.0		1.65				9	F							+31	crushed and gouged at 366.6-367.0
371.9		3.1		1.4				7	F							41	
374.9		3.0		1.7				9	F							26	
375.5		0.6		0.5				14	F							3	
381.0		3.0		1.3				10	F							34	
384.1		3.1		2.5				12	F							23	
387.1		3.0		2.75				12	F							19	
390.1		3.0		2.8				12	F							14	
393.2		3.1		1.65				9	F							35	
396.2		3.0		1.9				12	F							37	
399.3		3.1		2.0				10	F							30	
402.3		3.0		1.6				12	F							25	
405.4		3.1		1.15				10	F							36	sporadic low angle faults < 2cm thick
408.4		3.0		1.9				12	F							25	crushed at 405.65 - 408.8
411.5		3.1		2.25				12	F							30	crushed below 411.3
414.5		3.0		1.5				6	F							+36	gouged and crushed above 413.0
417.6		3.1		2.9				14	F							13	
420.6		3.0		2.7				14	F							21	
378.0		2.5		1.3				10	F							26	
423.7		3.1		2.5				12	F							15	

Fig. 1. Typical rock mechanics core log.

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

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

P.103

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
426.7		3.0		0.4				6	F							52	
429.8		3.1		1.3				10	E							33	
432.8		3.0		0.7				6	F							46	Locally strongly broken
435.9		3.1		2.3				12	F							18	
438.9		3.0		1.6				10	E							33	
441.5		2.6		0.5				6	F							40	Crushed at 440.2 - 440.6
444.7		3.2		1.7				10	F							25	well healed fault
447.8		3.0		0.7				9	F							39	
451.0		3.2		1.5				10	F							35	gouge at 448.4 - 448.8
454.2		3.2		2.3				10	F							22	
457.2		3.0		2.6				14	F							12	
460.2		3.0		1.6				12	F							29	Locally strongly broken
463.3		3.1		2.8				14	F							14	
466.3		3.0		1.5				10	F							33	
469.4		3.1		1.95				10	F							18	
472.4		3.0		1.3				10	F							31	
475.5		3.1		1.6				10	F							32	
478.5		3.0		2.16				14	F							13	
481.6		3.0		1.75				12	F							27	crushed and gouge below 480.9
484.6		3.0		0.6				9	F							32	
487.7		3.1		2.75				14	F							17	
490.7		3.0		2.8				14	F							14	
493.8		3.1		2.4				12	F							15	
496.8		3.0		2.5				12	F							16	
499.9		3.1		2.3				12	F							21	
501.7		1.8		1.4				12	F							6	
504.8		3.1		1.9				12	F							26	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY04DS COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Zbeetwff/L.S. INCLINATION _____ ELEVATION _____

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PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS	DEGREE OF BREAKAGE CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
507.8	3.0	3.0		2.3			12	12	F							18	
510.8	3.0	3.0		1.5				9	F							32	
513.9	3.1	3.1		1.1				9	F							32	minor bands of gouge (<10cm)
516.6	2.7	2.7		0.3				6	F							71	
519.7	3.1	3.1		0.5				7	F							59	
522.7	3.0	3.0		1.2				9	F							38	
524.0		1.3		0.2				6	F							21	
527.2		3.2		2.2				10	F							26	
530.1		1.9		0				6	F							53	
532.2		2.1		0.8				9	F							41	
535.4		3.2		0.7				6	F							49	Crushed to 532.7
538.6		3.2		1.2				6	F							51	Crushed at 537.8-538.0
541.8		3.2		2.4				12	F							23	
545.0		3.2		2.35				10	F							27	
547.8		2.8		2.7				14	F							14	
551.1		3.3		3.2				14	F							17	
554.0		2.9		2.7				14	F							17	
554.7		0.7		0.7				14	F							1	
557.8		3.1		3.0				13	F							9	
560.8		3.0		2.9				14	F							8	
563.9		3.1		2.15				10	F							23	
566.9		3.0		1.8				10	F	HQ						28	
570.0		3.1		0.6				7	F	HQ						59	
571.9		1.7		0.4				7	F	NQ						26	
574.0		2.0		0.5				9	F	NQ						35	
576.1		2.6		0.7				10	F	NQ						24	
577.0		0.9		0.65				12	F	NQ						10	
										NQ							

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY045 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ for this interval E _____ PAGE __ of __

LOGGER J. Zuccherato INCLINATION _____ ELEVATION _____

NQ core only

P.105

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
580.1		2.8		2.0				12	F	NQ						30	
X																	580.1 - 598.3 has
X																	been drilled with down
598.3																	hole motor - no recovery
598.9		0.35		0				1	F	NQ						N/A	
599.2		0.3		0				1	F							N/A	
600.5		0.7		0				2	F							N/A	
601.4		0.6		0				3	F							N/A	
602.1		0.4		0				3	F							N/A	
603.5		0.6		0.1				3	F							N/A	
604.1		0.3		0				2	F							N/A	
605.3		1.1		0				3	F							22	common gouge
605.9		0.5		0.3				3	F							12	sporatic gouge
607.5		1.4		0				9	F							26	minor crushed rock
608.7		1.2		0.55				11	F							13	
610.1		1.3		0.45				9	F							20	
610.7		0.6		0				2	F							N/A	gouge - very common crushed rock
613.6		2.8		0.6				7	F							52	
616.0		2.4		0				7	F							35	clay filled fractures and gouge common
616.9		0.8		0				7	F							29	Sporadic crushed zones
618.4		1.5		0				6	F							31	crushed rock very common sporadic gouge
620.0		1.5		0				6	F							30	gouge + crushed rock below 619.5
622.1		1.7		0.25				1	F							NA	
623.6		1.5		0				1	F							NA	
624.5		0.7		0				1	F							NA	
625.8		1.0		0				7	F							22	gouge above 625.2
626.7		1.65		0				3	F							NA	crushed rock + gouged

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY04JS COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ this interval E _____ PAGE __ of __

LOGGER [illegible] INCLINATION _____ ELEVATION _____ (NQ only)

P.106

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS	DEGREE OF BREAKAGE CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
628.5		1.3		0.5				6	F	NQ						25	Sporadic crushed rock
630.3		1.45		0.15				6	F							46	crushed rock common
631.9		1.3		0.2				9	F							26	
634.3		2.4		0.4				7	F							43	Sporadic crushed rock
634.9		0.6		0				6	F							23	
636.1		1.1		0.1				9	F							31	gouge bands less than 2 cm common
638.0		1.8		1.1				12	F							22	
641.0		2.9		1.8				12	F							37	
644.0		3.0		2.7				10	F							24	
647.1		3.1		1.7				10	F							30	
650.1		3.0		1.3				9	F							48	
653.2		3.1		1.8				10	F							43	
656.2		3.0		2.5				12	F							23	
659.3		0.9		2.2				10	F							20	
662.3		3.0		1.6				9	F							36	
—	END OF HOLE																END OF HOLE

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 90DY-05

Reference Fabric Orientation Diagram:

Project: DY DECLINE

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6901121.3 N

597801.5 E

Grid Co-ords: _____

Elevation: 1017.0 m dev.

All symmetry determinations looking

Total Depth: 657.8m

_____ with _____ dipping

Inclination: -90 @ Collar

_____ with dip azimuth _____.

Purpose: TEST base of ramp rock quality

Reason hole Terminated: COMPLETED TO REQUIRED DEPTH

Logged by: J. Zbeda-ft

Date(s) Logged: _____

Drilling Contractor: ECARON DD

Hole Cemented: _____ Steel down Hole: No

Size	CORE From	To
CASING	0.0	9.1
NQ	9.1	657.8m

Collar Cased and Capped: ✓

Assay Lab: NAL

Certificate No's: _____

Started: _____ Completed: _____

SPERRY-SUN DRILLING SERVICES

CURRAGH RESOURCES INC.
9[illegible]-05

1990 11 07
CX-LB-00602

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0.00	89.43	319.50	0.00	0.00	0.00	0.00	0.00
50.00	89.63	231.80	50.00	0.09 N	0.29 W	0.29	1.33
100.00	88.73	265.97	99.99	0.05 S	0.96 W	0.76	1.97
150.00	88.46	255.15	149.98	0.26 S	2.16 W	1.61	0.75
200.00	88.05	264.34	199.96	0.51 S	3.65 W	2.68	1.00
250.00	88.00	265.57	249.93	0.67 S	5.37 W	4.00	0.13
300.00	88.21	267.27	299.90	0.77 S	7.02 W	5.28	0.45
350.00	88.00	266.37	349.87	0.86 S	8.67 W	6.57	0.44
400.00	88.00	274.52	399.84	0.85 S	10.41 W	8.00	0.57
450.00	87.83	270.64	449.81	0.77 S	12.22 W	9.52	0.44
500.00	87.66	275.75	499.77	0.66 S	14.18 W	11.19	0.52
550.00	87.50	270.83	549.72	0.54 S	16.28 W	12.97	0.53
600.00	87.50	273.89	599.68	0.45 S	18.46 W	14.80	0.27
650.00	87.31	270.94	649.63	0.36 S	20.72 W	16.69	0.45
700.00	87.21	271.94	699.57	0.30 S	23.10 W	18.67	0.22
750.00	87.20	274.97	749.51	0.15 S	25.53 W	20.74	0.30
800.00	87.20	270.00	799.45	0.04 S	27.97 W	22.79	0.49
850.00	87.05	284.15	849.39	0.27 N	30.44 W	24.98	1.45
0.00	86.85	287.80	899.32	1.01 N	32.99 W	27.49	0.56
950.00	86.66	290.58	949.24	1.94 N	35.66 W	30.21	0.48
1000.00	86.61	292.43	999.15	3.01 N	38.39 W	33.05	0.24
1050.00	86.56	292.63	1049.06	4.15 N	41.13 W	35.95	0.10
1100.00	86.38	293.82	1098.97	5.36 N	43.96 W	38.96	0.40
1150.00	86.36	295.03	1148.87	6.67 N	46.84 W	42.06	0.16
1200.00	86.31	298.25	1198.77	8.10 N	49.69 W	45.21	0.42
1250.00	86.16	299.92	1248.66	9.69 N	52.55 W	48.47	0.37
1300.00	85.86	302.82	1298.54	11.50 N	55.51 W	51.93	0.72
1350.00	85.33	307.97	1348.39	13.73 N	58.63 W	55.77	1.33
1400.00	85.13	309.08	1398.22	16.32 N	61.88 W	59.91	0.44
1450.00	85.03	311.20	1448.03	19.08 N	65.15 W	64.18	0.41
1500.00	85.10	310.30	1497.85	21.89 N	68.41 W	68.47	0.20
1550.00	85.11	309.40	1547.67	24.62 N	71.68 W	72.72	0.16
1600.00	85.13	308.51	1597.49	27.29 N	74.99 W	76.96	0.15
1650.00	85.00	309.60	1647.30	30.00 N	78.33 W	81.25	0.33
1700.00	84.95	311.03	1697.11	32.84 N	81.67 W	85.61	0.27
1750.00	84.95	311.10	1746.91	35.73 N	84.98 W	89.99	0.01
1800.00	83.10	317.28	1796.64	39.38 N	88.68 W	95.12	3.91
1850.00	82.28	325.38	1846.24	44.35 N	92.63 W	101.21	2.63
1900.00	82.15	329.42	1895.78	50.05 N	96.27 W	107.48	1.13
0.00	82.13	330.44	1945.31	55.97 N	99.69 W	113.70	0.28

SPERRY-SUN DRILLING SERVICES

:URRAGH RESOURCES INC. 1990 11 07
)0[illegible]-05 CX-LB-00602

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
2000.00	82.03	332.45	1994.83	62.02 N	102.99 W	119.88	0.59
2050.00	82.18	333.44	2044.36	68.13 N	106.11 W	125.96	0.40
2100.00	82.08	333.40	2093.89	74.25 N	109.17 W	132.00	0.20
2140.00	82.08	333.40	2133.50	79.18 N	111.64 W	136.87	0.00

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET
THE VERTICAL SECTION WAS COMPUTED ALONG 305.35° (GRID)

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE DISPLACEMENT IS 136.87 FEET, IN THE DIRECTION OF 305.35° (GRID)

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH _____ (2 – 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 – 8	10 – 16	17 – 24	25 – 32	34 – 39	41 – 42	
T							

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

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

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: J. Sweetnam

Code	From (m)	To (m)	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0.0	9.1			11A	CASING (CASING LEFT IN HOLE)
						PACKER TESTS CONDUCTED IN HOLE. LOGBOOK EXISTS
	9.1	12.0			5F60	(5CO) 75:25
						Medium grayish green, very weakly calcareous phyllite is PS_2 foliated with dark to medium greenish gray S_2 surfaces. 5CO is dark to medium green, ± calcareous and contains a moderately well preserved igneous texture. 5CO occurs at 9.1 - 9.6. Interval is strongly broken often crushed with moderate gouge. S_2 surfaces and fractures are moderately oxidized. Rock is soft, core is strongly broken, recovery is poor. Upper contact has not been recovered, lower contact is sharp and parallel S_2
	12.0	16.2			5B60	(5BO) 60:40
						Medium gray very weakly calcareous locally moderately calcareous phyllite is $CS_2 \Rightarrow PS_1$ foliated with medium to dark gray S_1 surfaces. Sporadic sections of moderate calcareous rock type are more common in lower ½ of interval. Unit hosts 0 - 2% cm - dm scale quartz veins subparallel S_1. Rock is rarely oxidized along S_1 surfaces and at best oxidation is weak. Interval is strongly to

DDH 90DX-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: J. Sedgwick

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						moderately broken, recovery is good. Unit is soft. Upper and lower contacts are sharp and parallel S_2. Py is sporadic
	16.2	18.5			5F0	
						Medium greenish gray moderately calcareous phyllite is CS_2 foliated with S_2 surfaces medium green to greenish gray. Interval contains weak oxidation of S_2 surfaces throughout & rare bands (cm-scale) of moderate to strong oxidation. Py is sporadic. Rock is slightly hard, core is moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	18.5	28.1			5B0	
						Medium gray weakly locally moderately calcareous phyllite is CS_2 foliated, locally PS_2 foliated. S_2 surfaces are medium to medium dark gray. Unit hosts 0-1% cm scale quartz-calcite veins (1-1.5 cm) oriented parallel S_2 and 0-1% pyrite. Rock is slightly soft, core is moderately broken with good recovery. Unit hosts sporadic crushed and gouge zones which never exceed 2 cm in width. Upper and lower contacts are sharp and parallel S_2.

DDH 90DY-05

CURRAGH RESOURCES INC.

Lithologic Log

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Date: Nov '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	28.1	29.1			5F0	
						Medium to light green, moderately calcareous phyllite is CS_2 foliated with light to medium gray S_2 surfaces. Oxidation of S_2 surfaces are fair and are moderate to weak in intensity. Rock is moderately hard, core is moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	29.1	30.6			5B6	
						Medium gray non-calcareous to very weakly calcareous phyllite is PS_2 foliated with dark to medium dark gray S_2 surfaces. Unit is well laminated with 3-5 mm darker gray bands with 2 mm bands of lighter gray phyllite. Rock is soft, core is moderately to strongly broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact is with gouge and is oriented parallel S_2.
	30.6	32.9			5B60	(5F60 : 10Q) 60 : 20 : 20
						All units are very weakly to non-calcareous moderately to very strongly broken, strongly to locally moderately oxidized. Sporadic sections are crushed. Gouge is sporadic.
						5B60 occurs at 30.6 - 31.8 with a gradational

C.R.I. 1987 E-3A

DDH GUDY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: J Zbeetnuff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						lower contact with 5FLO. Unit is crushed and gouged from 30.6-31.2 (FAULT). Rock is CS_2 foliated with medium to dark gray S_2 surfaces, oxidation is common.
						5FLO occurs at 31.8-32.4, lower contact with 10Q is sharp and parallel S_2. Unit is strongly oxidized, broken, & PS_2 foliated and.
						10Q occurs at 32.4-32.9: unit is moderately broken and moderately oxidized along fractures
						phyllite units are soft, strongly broken, locally crushed.
						** Interval suspect to be water bearing - contributing to artesian flow in hole!
	32.9	33.4			5B02	FAULT
						Crushed gouged, oxidized phyllite is strongly calcareous. Proto lith has similar texture and
						color to lower 5B62 unit.
	33.4	37.0			5B62	=> 5B602
						Medium dark gray phyllite is non-calcareous, sporadically
						very weakly calcareous, PS_2 foliated with dark to

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CURRAGH RESOURCES INC.

Lithologic Log

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Date: Nov 90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Medium dark gray S_2 surfaces. S_2 surfaces do not tarnish fingers. Moderate oxidation along S_2 surfaces is very common. Rock is soft, core is moderately broken, rarely strongly broken over 10-20 cm widths, recovery is good. Upper and lower contacts are parallel S_2.
						Degree of oxidation markedly decreases down hole.
	37.0	46.7			5B02	
						Medium dark gray, moderately calcareous phyllite is PS_2 foliated locally CS_2. S_2 surfaces are dark gray and only slightly tarnish fingers medium to medium light gray. Moderate oxidation of S_2 surfaces is common, oxidation is moderate to strong within and 40 cm below a gouge zone at 40.3 - 40.6. Py is common. Unit hosts sporadic gouge and broken zones which do not exceed 5 cm in width - commonly no increase in oxidation nor loss in calcareous nature is noted. Rock is moderately to slightly soft. Core is generally moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov '90 Logged By: J. Zbeduff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	46.7	50.2			5B62	Medium dark gray phyllite is non-calcareous, $CS_2 \Rightarrow PS_2$ foliated with dark gray S_2 surfaces. S_2 surfaces slightly tarnish fingers. Unit hosts 1-2% 1-5 cm quartz-calcite veins oriented parallel S_2. Oxidation along S_2 planes is rare and weak, Py is sporadic. Rock is slightly hard, core is slightly to moderately broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	50.2	50.9			5B0	Medium gray, moderately locally strongly calcareous phyllite is $CS_2 \Rightarrow PS_2$ foliated with medium to medium dark gray S_2 surfaces. Rock is moderately hard core is slightly broken with good recovery. Upper contact is sharp and parallel S_2. Lower contact is gradational over 25 cm.
	50.9	57.1			5B02	Medium - dark gray, moderately calcareous phyllite is PS_2 rarely CS_2 foliated, with medium dark gray S_2 surfaces. S_2 surfaces slightly tarnish

DDH 90DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov '90 Logged By: J. Sexton

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fingers medium gray. Oxidation at S_2 surfaces are weak and rare. Pyrite is common. Unit hosts 0-5% quartz calcite veins - most abundant over lower 30cm of interval. Rock is slightly soft, core is moderately, locally slightly broken. Recovery is good. Upper contact is gradational over 25cm, lower contact is sharp and parallel S_2.
	57.1	62.4			5862	(10Q : 5DO) 84 : 15 : 01. Medium dark, non-calcareous to very weakly calcareous phyllite is PS_2 foliated with medium dark gray S_2 surfaces. Interval hosts 10-15% dm scale quartz-calcite veins oriented generally subparallel S_2. 5DO bands are rare, sporadic and are commonly 0.5-1.5 cm wide, and do not exceed 5cm. Oxidation along fractures and S_2 surfaces are weak and rare. Rock is moderately soft core is strongly, locally moderately broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2.

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov '90 Logged By: S. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
	62.4	65.4			5BQ	
						Medium gray, moderately to strongly calcareous phyllite is $CS_2 \Rightarrow PS_2$ foliated with medium gray S_2 surfaces. Oxidation along S_2 surface is very rare but when occurs is moderately strong within bands which do not exceed 15cm. Rock is slightly hard, core is slightly broken locally moderately broken with very rare 1cm gouge bands (gouge is weakly calcareous). Upper and lower contacts are sharp and parallel S_2
	65.4	69.2			5BQ4	Oxidized
						Medium gray, moderately calcareous phyllite is PS_2 foliated, rarely CS_2 foliated. S_2 surfaces are medium gray. Oxidation is very common and is generally moderate in intensity. Rock is slightly soft, core is moderately broken, sporadically strongly broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2.
	69.2	73.9			5BQ	2 (5DO : 1QQ) 60 : 30 : 10
						Medium to medium-dark gray phyllite is non-calcareous to very weakly calcareous, $\pm CS_2$ foliated. Unit hosts 30% 5DO and 10% cm and dm scale Quartz-

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: J. Zbedniak

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Calcite veins. 500 units are strongly calcareous massive and range from 20cm - 0.5cm in width. Interval contains 10% veins generally oriented subparallel S_2. Rock is slightly hard to slightly soft, moderately - locally - strongly broken. Strongly broken intervals are moderately oxidized. Recovery is good. Upper and lower contacts of interval are sharp and parallel S_2.
	73.9	76.6			500	
						Olive green, strongly calcareous massive rock is PS_2 foliated with medium olive green S_2 surfaces. Unit hosts 2-3% calcite veinlets and 5% wispy dark green crystals (?) highly stretched parallel S_2. Oxidation is rare and weak. Rock is slightly hard. Core is slightly broken, rarely moderately broken with good recovery throughout. Upper contact is sharp and parallel S_2. Lower contact is also sharp, parallel S_2, and is marked by a 2cm weakly calcareous gouge band.
	76.6	82.0			580	
						Light to medium gray moderately to strongly calcareous phyllite is $CS_2 \Rightarrow PS_2$ foliated with medium gray S_2 surfaces. Oxidation is sporadic, weak to moderate

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov '90 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and occurs at 76.6 - 77.3, 80.3 - 80.6, and 81.6 - 82.0. Rock is slight soft to slightly hard, core is strongly broken, weakly crushed over the two lower oxidized zones at 80.3 - 80.6 and 81.6 - 82.0. Recovery is good. Upper and lower contacts are sharp, parallel S_2 and marked by gouge zones (2.0 - 4.0 cm). Unit is generally laminated with 1-2mm darker bands within 2 - 10mm lighter bands.
	82.0	85.7			5B02	
						Medium to medium dark gray phyllite is generally PS_2 foliated, rarely CS_2 foliated. S_2 surfaces are medium dark to dark gray and slight to moderately tarnish fingers medium to medium dark gray. Unit is moderately calcareous, coarsely laminated with 0.2 - 1.5 cm darker bands within 0.1 - 0.5 cm bands of lighter phyllite. Interval contains 1-2% cm & dm quartz-calcite veins oriented parallel S_2. Oxidation is extremely rare and very weak. Rock is slightly hard, Py is common. Core is moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	85.7	87.5			5D0	
						Olive green, strongly calcareous rock is massive PS_2 foliated and hosts 0 - 5% calcite and quartz

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov '90 Logged By: J. Sectaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcite veinlets. Rock is moderately hard, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_0.
	87.5	89.8			5100	2 (500: 100) 80:10:10
						Medium to medium dark gray phyllite is moderately calcareous, $CS_2 \Rightarrow PS_2$ foliated with medium-dark S_2 surfaces S_2 surfaces slightly tarnish fingers medium to light gray. Interval contains 7-10% 500 bands which are variably calcareous and 1.0 - 3.0 cm wide. Interval also hosts 5-7% quartz-calcite veins. Rock is moderately to slightly soft, moderately to moderately-strongly broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2.
	89.8	90.8			500	2
						Medium to medium dark gray phyllite is moderately calcareous. As above unit but lacks 500 bands. Unit hosts 1% quartz-calcite veins. Upper and lower contacts are sharp and parallel S_2

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CURRAGH RESOURCES INC.

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Date: Nov 90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	92.8	94.6			5B2	
						Dark to very dark gray, non-calcareous phyllite is $CS_2 \Rightarrow PS_2$ foliated with S_2 surfaces tarnishing fingers dark gray to very dark gray. Py is common and often occurs as disseminated grains, rarely as clots. Rock is slightly hard, moderately locally strongly broken. Quartz-calcite veins are rare and commonly 1 - 1.5 cm wide and parallel S_2. Recovery is good. Upper and lower contacts are sharp.
	94.6	131.8			5B9	
						Medium to light gray, strongly calcareous phyllite is commonly $CS_2 \Rightarrow PS_2$ with medium gray S_2 surfaces. Unit hosts 2-3% dm scale quartz-calcite veins, parallel S_2. Py is common throughout, Po is sporadic, locally abundant (<2%). Rock is slightly soft to slightly hard, generally moderately broken; rarely strongly broken in intervals which do not exceed 10-15cm. Gouge is very rare and exists in bands 2-3cm in width. Recovery is good throughout. Upper and lower contacts are sharp and parallel S_2.
	131.8	135.8			5B602	
						Medium-dark gray, very weakly calcareous to non-calcareous phyllite is PS_2 foliated with medium dark gray S_2 surfaces

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov '90 Logged By: J. Zuccotti

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						that very slightly tarnish fingers medium-light gray. Interval hosts 7-10% calcit-quartz veins that often host brecciated calcite fragments. Unit hosts 1-2% clotty Py and 0-trace Po. Rock is slightly hard core is moderately broken with good recovery throughout Upper and lower contacts are sharp and parallel S_2
	135.8	148.1			5B02	
						Medium-dark gray weakly to moderately calcareous phyllite is $PS_2 \Rightarrow CS_2$ foliated with medium dark gray S_2 surfaces which very slightly tarnish fingers medium to light gray. Unit hosts 1-2% quartz-calcite veins (dm scale) oriented parallel S_2, 2-3% clotty Py and 0-trace Po. Rock is slightly hard, core is moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	148.1	152.3			5B02	
						Medium-dark gray strongly to moderately calcareous phyllite is PS_2 foliated with dark to medium dark gray S_2 surfaces which moderately tarnish fingers medium gray. Unit hosts 1% cm scale quartz-calcite

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: F. Zbeetaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						veins oriented parallel S_2, 1-2% clotty Py and
						visible Po. Rock is slightly soft core is
						moderately to slightly broken with good recovery.
						Upper and lower contacts are sharp and parallel
						S_2.
	152.3	155.2			5B602	strongly broken
						Medium dark gray very weakly to non-calcareous phyllites is
						strongly broken with no gouge. Unit is PS_2 rarely ⇒ CS_2
						foliated. S_2 surfaces are dark to medium dark gray and
						very slightly tarnish fingers medium to medium light gray. Interval
						hosts 2-3% euhedral pyrite, 5-7% ankerite (?) veinlets
						and clotts, and 1-2% cm scale quartz veins. Rock is
						moderately soft, strongly broken with poor recovery; 0.9m
						lost - ground core blocks at base of interval. Upper
						and lower contacts are broken.
	155.2	166.0			5B62	(5DO) 99:01
						Medium dark gray phyllite is non calcareous, generally PS_2
						foliated, locally CS_2. S_2 surfaces are medium dark
						gray and slightly to moderately tarnish fingers medium gray.
						Unit hosts 1-2% calcite stringers, 3-5% quartz-dolomite
						veins with common chloritic alteration - oriented subparallel

DDH CODY-05

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						S_2, 5-7% quartz calcite veins lacking in chloritic alteration with highly variable orientations. Also common are ankerite(?) dolomite(?) stringers and clotts (2-3%). Pyrite is clotty and sporadic (1-2%). Rock is slightly soft moderately locally strongly broken with rare gouge (2-3cm). Upper contact is broken, lower contact is sharp and parallel S_2. Interval hosts rare 1cm bands of 500 oriented parallel S_2.
	166.0	166.9			10ES	[500(?)] 60:40 Light gray to buff massive highly strained intrusive rock is very weakly dolomitic. Feldspars are moderately to weakly elongated parallel S_2 and are 1-2mm in size. Mafic minerals are very highly strained and consists of wisps parallel S_2. 10E is hard. 500(?) 5FO(?) is medium to medium olive green highly strained parallel S_2. 500 unit hosts 10-12% quartz-dolomite veins and 1-2% quartz-calcite veins. Vein systems are subparallel S_2. 500 is limited to consitutes the upper 40% of interval. Unit is slightly soft. All contacts are sharp and parallel S_2.

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov. '90 Logged By: S Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	166.9	171.1			586	* FAULT
						Medium gray non-calcareous phyllite is BS_2 foliated with medium gray S_2 surfaces. Interval is strongly broken throughout with gouge bands at 167.2 - 167.9, 168.6 - 169 and 170.2 - 171.1. Strongly broken intervals host 10-12% dolomite stringers occuring as a caotic network and rarely as clots. Gouge is generally weakly to moderately calcareous at least displays a weak to moderate reaction to 10% HCl. Strongly broken phyllite is moderately soft, recovery is good throughout. Upper contact is sharp and oriented @ 078/42 relative to S_2, lower contact is also sharp oriented at 055/30°.
	171.1	185.3			580	
						Medium gray, moderately to strongly calcareous phyllite is generally CS_2 foliated with medium gray S_2 surfaces. Interval contains 5% dm scale quartz-calcite veins, generally oriented parallel S_2 with a rare association with clotty chloritic alteration of wall rock fragments. Pyrite is sporadic and rare (<1%). Rock is slightly hard to slightly soft. Upper contact consist of gouge from upper fault zone oriented 055/30° to S_2. Lower contact is sharp and parallel S_2.

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	185.3	189.6			5BO	(5DO:5CO) 70:25:05
						Medium gray locally slightly green phyllite is moderately to strongly calcareous and $CS_2 \Rightarrow PS_2$ foliated. S_2 surfaces are medium gray and light to medium green. 5DO and 5CO units are sporadic, from 2 - 40cm thick and are often very similar and difficult to distinguish apart. Green color varies from medium to slightly olive green. Units are moderately calcareous and rarely display a moderately well preserved igneous texture (5CO). Interval hosts 10-15% quartz-calcite veins, 5-30cm thick and generally subparallel S_2. Pyrite is rare, euhedral and 2-5 mm in size. All contacts are subparallel to parallel S_2. Rocks are slightly hard slightly broken with good recovery throughout. Upper and lower contacts of interval are sharp and parallel S_2
	189.6	198.3			5BO	
						Medium gray phyllite is moderately to strongly calcareous, CS_2 foliated with medium gray S_2 surfaces. Interval contains 3-5% cm scale quartz-calcite veins oriented parallel S_2. Rock is slightly hard core is slightly broken, recovery is good. Upper and lower contacts are sharp and parallel S_2

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov '90 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	198.3	202.6			5B9	(5D0) 90:10 Medium gray moderately to strongly calcareous phyllite is CS_2 locally PS_2 foliated with medium gray S_2 surfaces. Unit hosts 10% 1-15 cm quartz-calcite veins with only larger veins ± containing chloritic alteration. Veins are generally oriented parallel to subparallel S_2. 5D0 units are sporadic, from 2-10 cm thick and variably calcareous. All contacts are sharp and parallel S_2. Rocks are slightly soft, slightly broken with good recovery. Upper and lower contacts of interval are sharp and parallel S_2.
	202.6	226.0			5B0	(5D0) 99:01 Medium gray moderately to strongly calcareous phyllite is generally CS_2 foliated, rarely PS_2. Interval host 10-15% quartz calcite veins oriented parallel rarely subparallel S_2. 5D0 occurs as wispy bands .1-10 mm parallel S_2 and contorted into forming a fold nose at 204.7. Associated with this structure is a high proportion of quartz-calcite veining also defining fold structure. Pyrite is rare <1%, throughout interval. Rock is slightly hard and slightly broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov 90 Logged By: J. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	226.0	228.5			5BQ	(5DO) 85:15 Medium gray moderately to strongly calcareous phyllite is CS_2 foliated locally BS_2. Interval hosts trace-1% quartz calcite stringers and 15% 5DO bands and wisps from 2-25cm wide. All contacts are parallel S_2. Pyrite is very rare, Po is rare. Rock is moderately hard and slightly broken. Upper and lower contacts of interval are sharp and parallel S_2
	228.5	233.0			5BQ	(± => 5FO) Medium gray moderately to strongly calcareous phyllite is CS_2 to CS_2 => BS_2 foliated. A very faint green color is very weakly visible - sporadically? Unit hosts 1% quartz calcite veins 1-3 cm in width often displaying brecciated quartz within calcite matrix. Rock is slightly hard slightly broken and recovery is good. Upper and lower contacts are sharp and parallel S_2. Py is sporadic and rare, Po is very rare.
	233.0	237.5			5BQ	(5DO) 80:20 Medium gray moderately to strongly calcareous phyllite is CS_2 foliated. Unit hosts 3-5% quartz-calcite veins 2-15cm oriented parallel S_2. 5DO units are commonly 2-3 cm thick, rarely upto 20cm, and weakly to moderately calcareous. 5DO bands are interbedded

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov 90 Logged By: J 2Seetnaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						1-1.5 cm thick strongly to very strongly calcareous phyllite(?) Rock very from slightly hard to slightly soft and is moderately to slightly broken. Upper and lower contacts are sharp and parallel S_2
	237.5	241.4			5BO	
						Medium gray moderately to strongly calcareous phyllite is PS_2, sporadically CS_2 foliated. Interval contains 3-5% quartz-calcite veins 2-10cm oriented subparallel to rarely parallel S_2, Py and Po are not common. Rock is moderately to slightly soft, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	241.4	243.5			5BO*	
						Light gray, strongly calcareous phyllite is CS_2 foliated and hosts 2-3% calcite clotts and stringers. Rock is slightly soft, core is slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	243.5	245.6			5BO2	Medium to medium dark gray, moderately to strongly calcareous phyllite is CS_2 foliated. S_2 surfaces are medium dark gray and slightly tarnish fingers medium to medium light gray. Interval hosts 2% calcite stringers and 0-trace Po. Rock is slightly hard, core is moderately broken and recovery is good. Upper and lower contacts are sharp.
	245.6	246.4			5BO2	(5DO) 80:20 Medium to medium dark gray, moderately to strongly calcareous phyllite is PS_2 foliated with S_2 surfaces that rarely tarnish fingers medium to light gray. Interval hosts 20% cm scale bands of 5DO(?) bands often occur in clusters in widths upto 15 cm. Po is moderately common. Rock is slightly hard and moderately broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2
	246.4	252.0			5BO2	Medium to medium dark gray phyllite is moderately to strongly calcareous, $CS_2 \Rightarrow PS_2$ foliated. Unit hosts trace dm scale quartz-calcite veins, 1-2% Py clotts partially or completely replaced by Po, and 2-3% calcite stringers. Rock is slightly hard moderately broken with good recovery throughout. Upper and lower

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: J. Zsectnaff

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
	252.0	252.8			5G9	→ 5D0 (5B02) 70:30
						Medium grayish green to medium olive green unit is moderately to strongly, rarely weakly calcareous. Unit is PS_2 foliated with sporadic occurance of possible igneous texture; poorly preserved. Phyllite bands are medium to medium dark grayish green. Po is common (2-3%). Rock is hard moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	252.8	256.9			5B0	2
						Medium gray to medium dark gray phyllite is PS_2 => CS_2 foliated with S_2 surfaces medium dark gray. Unit is moderately to strongly calcareous and hosts 1-2% Po and 0-1% 2-3cm quartz calcite veins. Rock is slightly hard, generally slightly broken with good recovery. Upper contact is sharp and parallel S_2 lower contact is fault bound, sharp and oriented parallel a low angle S_2. S_2 angle to core axis is 35° and is a deviation from upper and lower orientations for S_2.

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Date: Nov '90 Logged By: F. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	256.9	262.2			5C0	± S_2 (5B0 : 5D0) 40:40:20
						5C0 is medium grayish green, moderately calcareous, massive with a moderate PS_2 fabric. A weak igneous texture is very poorly preserved. Unit is most common over lowest half of interval.
						5B0 is medium gray, moderately to strongly calcareous, PS_2 foliated and intermixed with 5D0. P_2 is common, and 5D0 occurs in 1 - 20cm bands.
						All units are slightly soft to very slightly hard moderately to slightly broken with good recovery. Upper contact is marked by a 1cm gouge band oriented 35° to core axis. 30cm below fault unit appears 5D0 but is weakly dolomitic and strongly bleached buff in color. Lower contact is sharp and parallel S_2
	262.2	268.0			5B2	(5D0) 95:05
						Medium dark to dark gray moderately calcareous phyllite is PS_2 rarely => CS_2. S_2 surfaces moderately tarnish fingers medium gray. Interval contains trace quartz-calcite stringers 1-2% P_2 and sporadic occurances of 5D0. 5D0 occurs in 0.5 - 1.5 cm bands often in clusters over 10-30cm widths. Rock is moderately hard, core is slightly broken with good recovery.
						AT 267.1 - 267.5 interval consists of 5B2

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Date: Nov 90 Logged By: S. Zsectnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						which hosts a very well healed breccia with 1-5 mm fragments of vein quartz and 5DO. Fragments are supported by a dark to very dark gray host with a moderately strong shear fabric oriented at a high angle to core axis. [5A*(?)]. Upper and lower contacts of this breccia band are somewhat gradational.
						Interval contains sharp upper and lower contacts oriented parallel J_1
268.0	270.6				5DO	(5BO2 ⇒ 5FO : 5B2) 45:35:20
						Highly mixed unit is commonly noted as having gradational contacts making it difficult to distinguish between units.
						5DO is light olive green to medium olive green, moderately calcareous and PS_2 foliated.
						5BO2 ⇒ 5FO is generally medium gray locally approaching greenish gray. Rock is moderately calcareous PS_2 foliated with greenish color along contacts with 5DO.
						5B2 is in sharp contact with 5DO units, dark gray and PS_2 foliated.
						All units are slightly hard, moderately broken, with good recovery. Upper and lower contacts of interval are marked by quartz veins, sharp and parallel S_2.

C.R.I. 1987 E-3A

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov '90 Logged By: T. Scott-H

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	270.1	284.3			580	
						Medium gray moderately to strongly calcareous phyllite is CS_2 foliated. Unit hosts trace - 1% quartz-calcite veins oriented parallel S_2, commonly 2-5 cm wide rarely 25cm. 2% clotty Po occurs throughout. Rock is slightly hard, moderately broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2.
	284.3	300.7			580	(582 : 500) 90 : 09 : 01
						Medium gray, moderately to strongly calcareous phyllite is generally CS_2 foliated, locally PS_2. Unit host trace - 1% clotty Po, and minor inter beds of 582 and bands of 500. All contacts between sub units are parallel S_2 and generally sharp.
						582 beds are from 10 - 30cm thick, dark gray moderately tarnish fingers medium to dark gray, $PS_2 \Rightarrow CS_2$ foliated and are moderately calcareous, 582 rock types commonly display weak to moderate brecciated texture.
						500 bands are rare and occcur in widths from 2 - 10cm.
						Interval hosts 5-7% quartz-calcite veins in widths commonly 10-15cm, rarely upto 35cm. Veins are parallel to subparallel S_2.
						All rock types are slightly hard to slightly soft

C.R.I. 1987 E-3A

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CURRAGH RESOURCES INC.
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Date: Nov '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						moderately broken with good recovery throughout. Upper and lower contacts of interval are sharp and parallel S_2.
	300.7	305.3			5B9	(5D0) 65:35
						Medium gray, strongly calcareous phyllite is CS_2 foliated and hosts 35-40% 1-2cm wide 5D0 bands. 5D0 bands are chocolate brown (?), massive, strongly calcareous and PS_2 foliated. Contacts between units are sharp and parallel S_2 to faint and gradational. Interval contains 3-5% cm scale quartz calcite veins oriented parallel S_2. Rock types are hard, slightly broken, rarely strongly broken (< 10cm wide) with good recovery throughout. Upper and lower contacts of interval are sharp and parallel S_2.
	305.3	307.2			5B20	(5D0) 90:10
						Medium dark gray, strongly calcareous phyllite is CS_2 foliated with S_2 surfaces dark gray which slightly tarnish fingers medium gray. Interval hosts 10% 5D0 bands (0.5 - 2.0 cm) scattered throughout with contacts sharp and parallel S_2. Rock is slightly soft, moderately broken, strongly broken over last 30cm. Recovery is good throughout. Upper contact is sharp and parallel S_2. Lower

DDH [illegible]DX-05

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Date: Nov '90 Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contact is broken but appears sharp and parallel S_2
	307.2	308.7			5B0	(5D0) 80:20
						Medium gray, strongly calcareous phyllite is CS_2 foliated and hosts 15-20% 0.5-2.0cm bands of 5D0. All internal contacts are sharp and parallel S_2. Rock is slightly soft, moderately to strongly broken with good recovery throughout. Upper contacts is broken but appears sharp and parallel S_2. Lower contact is sharp and parallel S_2.
	308.7	323.4			5B0	± => 5B02 (5B2) 95:05
						Medium gray, locally medium gray; strongly calcareous phyllite is commonly CS_2 foliated, locally PS_2 foliated. Carbonaceous content varies slightly throughout grading to 5B02 sporadically. 5B2 bands are commonly 2.0-5.0cm wide with moderately sharp contacts - always parallel S_2. Interval hosts 1% quartz calcite veins 2-3cm wide and oriented parallel S_2. Rock varies from slightly soft to slightly hard. Core is generally moderately to strongly broken locally very strongly broken at: 312.4-312.6, 314.5-315.3, 316.7-316.9 (2cm gauge), 320.6-321.5. Recovery is good throughout. Upper and lower contacts are sharp and parallel S_2

DDH 90DX-05

CURRAGH RESOURCES INC.
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Date: Nov '90 Logged By: J. Sheehan

Code	From	To	Recov.	No.	Unit	Description
	323.4	326.7			5BQ	± FAULT (5B6) 75:25
						Medium gray, generally moderately to strongly calcareous very weakly to non calcareous at 325.8 - 326.7 (5B6). 5BL unit is moderately porous and hosts two 3cm strongly calcareous quartz carbonate veins oriented parallel S_2. Interval contains two strongly broken, crushed and gouge-bearing zones at: 323.4 - 323.9 and 324.6 - 326.7. Interval between these two zones is moderately broken. Gouge bands do not exceed 20% of broken intervals, are less than 10cm thick, and are moderately calcareous. Rock is moderately soft, generally strongly broken, with good recovery. Upper and lower contacts are sharp and noted as an increase in fractures parallel S_2.
	326.7	351.6			5BQ	(5DD) 99:01
						Medium gray, strongly calcareous phyllite is CS_2 foliated and hosts a narrow section containing sporadic 5DD bands (.05 - 1.5cm) at 340.8 - 342.5. Interval hosts 5-7% 1.5 - 3.0 cm quartz-calcite veins generally oriented parallel to rarely subparallel S_2. Po consititutes trace - 1% of rock mass. CS_2 fabric is disrupted and overprinted by a weak well healed breccia texture at 346.3 - 347.3. Rock is slightly hard throughout moderately broken rarely strongly broken. Recovery is good throughout. Upper and lower contacts are sharp and parallel S_2

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: J. Zbretnuff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	351.6	354.3			SBQ	Heated shear (SQQ) 90:10
						Medium gray strongly calcareous phyllite contains a moderate CS_2 fabric with is moderately overprinted by a well healed shear fabric. Shear fabric is oriented 45°-60° to core axis and is best displayed by 1-3mm breccia trains of quartz vein material. Interval hosts 10% SQQ (most abundant over upper 70cm) occuring in 0.5-1.5 cm bands parallel shear fabric. Interval also contains 10-12% quartz calcite veins which are intact, 1.0-15cm and oriented parallel to and also crosscut shear fabric. Shear fabric may be coincident with S_2. Rock is moderately broken slightly hard, recovery is good. Upper and lower contacts are sharp. Upper contact is paralel S_2, lower contact is parallel shear fabric $\Rightarrow S_2$(?).
	354.3	357.7			SBQ	
						Medium gray, strongly calcareous, phyllite is CS_2 foliated. Interval contains <2% quartz calcite veins, 1-1.5 cm wide oriented parallel S_2 and are limited to upper 0.8meter of interval. Calcite stringers 1-2mm wide X 10-15cm are oriented subparallel core axis and constitute 2-3% of interval. Rock is moderately hard slightly to moderately broken with good recovery. Upper contact is sharp and parallel S_2. Lower

C.R.I. 1987 E-3A

DDH 90DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov'90 Logged By: J. Sweetnam

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contact is marked by a 2-3cm gouge band.
	357.7	358.4			5BO	*$ FAULT
						Medium gray, sporadically calcareous, sporadically dolomitic phyllite is CS_2 foliated and faulted. Interval consists of 3 slip planes with or without gouge but do consistantly contain crushed rock. Slip planes vary from 2-3cm to 1-3mm. Rock is generally soft with moderately broken rock between slipplanes. 15-20 cm of core is missing. Upper contact is sharp and oriented at 000°/35° to S_2. S_2 is oriented 77° to core axis. Lower contact is also sharp, oriented 010°/40° to S_2.
	358.4	367.9			5BO	(5DO:5B2) 97:02:01
						Medium to light gray strongly calcareous phyllite is CS_2 foliated, rarely FS_2. Unit hosts 2-3% 2-5mm wispy bands of 5DO which define S_2 locally. 5DO wisps are best noted when core is wet. Interval supports <1% quartz calcite veins, ≤1.5cm wide and parallel S_2. P_2 is sporadic and rare. 5B2 occurs sporadically and occurs as .5-1.0cm bands. All interval contacts are sharp and parallel S_2. Rock is slightly hard, slightly broken and recovery is good. Upper and lower contacts of interval are sharp.

DDH 90DV-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '92 Logged By: J. Sketch

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Upper contact is fault bound, lower contact is parallel S_2
	367.9	368.9			5B2	(5B0) 60:40
						Very dark gray to black non-calcareous to locally very weakly calcareous carbonaceous phyllite is PS_2 foliated with S_2 surfaces moderately tarnishing fingers medium-dark to dark gray. Interval hosts 40% 5B0 commonly occurring in 10cm bands, less commonly interbedded with 5B2 on the 2-5mm scale. Interval contains trace - 1% Po as clots (2-3mm) and rarely as disseminated stringers parallel S_1. Rock is moderately hard, slightly broken, recovery is good. Upper and lower contacts are sharp and parallel S_2.
	368.9	370.0			5B0	
						Light gray, very strongly calcareous phyllite is CS_2 foliated. Unit contains trace Po, no veining nor veinlets => Barren! Rock is moderately hard, slightly broken with good recovery. Not a damn thing is unique concerning this unit! Upper and lower contacts are sharp and parallel S_2

DDH 90DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '92 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	370.0	375.2			5B20	(5B0 : 5B2) 50:35:15
						Highly mixed unit, carbonaceous content varies with both sharp and less commonly gradational contacts over a few cm's.
						Interval is also variable in calcareous nature, consistantly the amount of carbonate is inversely proportional to carbonaceous content. 5B0 is strongly calcareous, 5B2 is non-to-very weakly calcareous. All units are generally CS_2 foliated, rarely 5B2 is PS_2.
						Gradational contacts occur between 5B0 and 5B20 each subunit is commonly 1-15 cm wide, 5B2 bands are commonly 0.5-1.5 cm wide.
						All contacts are parallel S_2, rock is moderately to slightly hard. Core is slightly broken.
	375.2	388.3			5B0	[5E0(?)] 99:01
						Medium to medium light gray strongly calcareous phyllite is CS_2 foliated with fine lamina common (1-3mm). Unit hosts sporadic light gray strongly calcareous, massive bands 1-8cm in width (5E0(?)). Bands are parallel S_2 with very sharp contacts. Rock is generally slightly hard rarely moderately soft. Upper and lower contacts are sharp & parallel S_2.

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Date: DEC '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	388.3	388.9			5CO	
						Medium greenish-gray, strongly calcareous rock is strongly PS_2 foliated with a very poorly preserved igneous texture. Unit contains 15-20% fine grained leucoxene(?) elongated parallel S_2. Rock is moderately hard, very slightly broken, with good recovery. Upper and lower contacts are sharp and parallel S_2.
	388.9	391.1			5BO	→ 5FO (5CO : 5DO) 45:40:05
						5BO is medium gray, slightly greenish moderately calcareous and displays a faint CS_2 fabric, with sporadic PS_2 development. PS_2 is common near 5CO bands. Contacts between 5BO → 5FO and 5CO are difficult to pick although highly stretched leucoxene(?) defines 5CO bands from 3-20cm. 5DO bands occur sporadically and in 1-2cm widths - and are difficult to pick at times. Both 5DO and 5CO units are PS_2 foliated and moderately calcareous. Rock is moderately hard, slightly to moderately broken. Recovery is good. Upper and lower contacts are sharp and parallel S_2.

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CURRAGH RESOURCES INC.
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Date: Dec '90 Logged By: J. Zbectnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	391.1	397.7			5B0	71 → 5F0
						Medium to light gray, slightly greenish, strongly calcareous phyllite is CS_2 foliated. Lamina are distinctly ghosty, biotite is sporadic and limited to darker bands and wisps. Unit hosts 0-1% quartz-calcite veins parallel S_2 and 1.0cm in width. Rock is slightly to moderately hard possibly slightly siliceous. Core is slightly to moderately broken. Upper contact is sharp and parallel S_2. Lower contact is gradational with sporadic occurances of very slight increase in carbonaceous matter down hole.
	397.7	398.8			5B26	(5B0 → 5F0) 65:35
						Dark grey and medium grayish green interval is PS_2 foliated where carbonaceous and CS_2 foliated where non carbonaceous. 5B26 is non-calcareous to very weakly calcareous, 5B0 → 5F0 is strongly calcareous
						5B0 -> 5F0 is slightly greenish and occurs in 1.0-5.0cm bands with sharp contacts with 5B26.
						Rock is slightly hard, slightly broken with good recovery. Upper contact is gradational over a few cm, lower contact is sharp and parallel S_2. Lower contact is with 5E0(?) 15cm band.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	398.8	401.6			5BO	(5EO) 98:02
						Medium to light gray, strongly calcareous phyllite is CS_2 foliated. Unit hosts a single 0.5 cm quartz calcite vein oriented parallel S_2. Rock is slightly to moderately soft slightly broken, recovery is good. Upper and lower contacts are sharp and parallel S_2
						Upper contact is marked a 15cm massive light gray very strongly calcareous band 5EO(?). 5EO contains sharp contacts parallel S_2.
	401.6	403.6			5BO	→ 5FO (5BO:5DO) 65:25:10
						Medium gray to slightly greenish phyllite is $CS_2 \Rightarrow PS_2$ foliated and hosts 10% 5DO, and sporadic gradational loss of chloritic alteration giving 25% 5BO. 5DO bands are from 1.0 - 20.0 cm wide and have sharp contacts with 5BO → 5FO. 5DO units are moderately calcareous, phyllite units are moderately to strongly calcareous. Rock is slightly hard moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	403.6	404.5			5BO2	(5DO) 98:02
						Medium dark gray phyllite moderately to weakly calcareous slightly carbonaceous and CS_2 foliated. Unit contains

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						2% 0.2-0.5cm bands of 500 with sharp contacts parallel S_2. Rock varies from slightly hard to slightly soft, is moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	404.5	406.0			5B9	→ 5F0 (500) 90:10
						Medium-light gray, slightly greenish phyllite is strongly calcareous, CS_2 foliated and hosts a 15cm band at 500 at the upper contact. Rock is slightly hard, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	406.0	409.9			5B20	
						Medium - dark gray phyllite is moderately calcareous CS_2 foliated with S_1 surfaces that slightly to moderately tarnish fingers medium gray. Unit host trace wisps and stringers of quartz-calcite veinlets of variable orientation. Rock is slightly hard moderately broken, rarely strongly broken. Recovery is good throughout. Upper contact is sharp and parallel S_2. Lower contact is gradational over 10cm.

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Date: Dec '90 Logged By: E. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	409.9	412.6			5FO	→ 5BO (5BO) 70:30
						Medium gray with moderate green tint, strongly calcareous phyllite is CS_2 foliated. Interval grades locally into 10-15 cm bands of 5BO. Green tint progressively strengthens downhole over last 40-50 cm. Interval is strongly broken with gouge rare - <2.0cm wide. Rock is slightly to moderately soft. 10cm of core is missing. Upper contact is gradational over 10cm noted as progressive loss in carbonaceous material from upper unit. Lower contact is sharp and parallel S_2
	412.6	414.1			5DO	(5FO) 90:10
						Medium greenish-gray - slightly olive green, moderately to strongly calcareous unit is massive with a strongly to moderately developed PS_2 fabric. 10% of unit is CS_2 foliated, greenish and moderately to strongly calcareous. Contacts between 5DO & 5FO are indistinct. Rock is generally strongly broken, locally moderately broken. Unit is crushed at gauged at 413.0-413.1. 10cm of core is missing. Upper and lower contacts are sharp and parallel S_2

C.R.I. 1987 E-3A

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '90 Logged By: D. Seebach

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	A14.1	A23.8			5DO	(5BO-) 55:45
						Medium to olive green, weakly to moderately calcareous unit is PS_2 foliated and massive. Interval contains moderately calcareous phyllite in bands rarely upto 1.5m commonly 20-30cm thick. Internal contacts are sharp and parallel S_2. Quartz-calcite veins are sporadic, generally 1-2.0 cm wide, rarely upto 40cm and constitute 3-5% of interval. Vein contacts are parallel S_2. Rock is moderately soft, slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	A23.8	A34.3			5B02	(5DO) 99:01
						Medium-dark gray, moderately to strongly calcareous phyllite is CS_2 foliated and slightly carbonaceous. 5DO bands are very rare 1.0-1.5 cm wide and occur with sharp contacts parallel S_2. Unit hosts 1-2% 2-3cm quartz-calcite veins oriented parallel S_2. Rock is slightly hard, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	A34.3	A37.9			5B2#	(5DO : 5AO) 60:30:10
						Highly mixed unit is generally bedded on the dm scale with very sharp contacts. All units are moderately to strongly calcareous. 5B2# is CS_2 foliated, moderately carbonaceous and contain sharp contacts parallel S_2 with

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						5DO units greater than 5cm. Occasional thin bands (1-1.5cm) are parallel S_1. Stringers of disseminated Po is common within 5BD# and 5AO. "Interval is highly distinct with dm-scale banding of beds with very sharp contacts" Rocks are moderately hard slightly to strongly broken. Recovery is good throughout. Upper and lower contacts are sharp and parallel S_2.
	437.9	442.2			10D#	
						Medium grayish-slightly green dyke is weakly calcareous and massive. Unit has a ghosty texture to matrix but displays distinct rounded quartz eyes (15-17%) and euhedral biotite clotts (2-3%). Rock is very hard, slightly broken with good recovery. Upper contact is very sharp and parallel S_2 lower contact is gradational over 1.5m. Gradation in loss of ghosty texture of matrix and loss of gray-greenish color is noted.
	442.2	454.7			10A	#
						Light gray to buff, medium grained dyke is very weakly calcareous to non-calcareous. Igneous texture is very well preserved. Unit consists of 10-15% quartz eyes (2-4mm) 15-17% hornblende (?) (.1-3mm) and 1-2% anhedral rarely

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Sedman

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						euhedral feldspar phenocrysts (5-7mm). Rock is very hard and very slightly broken. Upper contact is gradational over 1.5m, lower contact is gradational over 1.0cm.
	454.7	461.2			10D	#
						As 437.9 - 442.2; but is weakly to non-calcareous. Upper contact is gradational over 1.0 cm and a progressive increase in ghosty texture and gray-greenish color is noted down hole over the upper 2.5 metres. Lower contact is sharp and parallel S_2
	461.2	476.7			5AD	→ 5B2 (500) 55:45
						Very dark gray to nearly black, strongly calcareous phyllite is often PS_2 folded very rarely CS_2 folded. S_2 surfaces tarnish fingers very dark gray to near black quite easily. Phyllite is strongly interbedded with medium to slightly olive green 5DO. 5DO is moderately to strongly calcareous. Common scale for interbedded units is dm-scale, less commonly on the cm scale very rarely with bands of 5DO upto 70cm. All internal contacts are sharp. Cm-scale beds of 5AD and 5DO are commonly parallel S_1, thicker beds are parallel

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CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN'91 Logged By: D. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						S_2. Pyrite and Po are common in each rock type.
						Interval consists of units which are slightly hard,
						strongly broken, except beds of 5DO > 50cm which are
						slightly broken. Recovery is good throughout.
						Upper and lower contacts of interval are sharp and parallel
						S_2.
	4716.7	4785.2			5BO	2 (5DO : 5AO) 60 : 30 : 10
						Medium gray, strongly to moderately calcareous phyllite
						is typically PS_2 foliated, rarely CS_2. Phyllite is very
						slightly carbonaceous and tarnishes fingers medium to light gray.
						Phyllite hosts 30% 5DO and 10% 5AO. Subsidiary units
						occur with sharp contacts parallel S_2 and in bands 10-30cm
						wide. Rarely are 5DO units 1-2cm wide, but when they
						occur are often parallel S_2. 5DO and 5AO units are
						strongly to moderately calcareous. Rocks are strongly broken
						parallel S_2 and are typically slightly soft rarely moderately
						soft. Recovery is good. Upper and lower contacts
						of interval are sharp and parallel S_2.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN 91 Logged By: J. Zbeckmann

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	485.2	492.0			5B6	±2 (5D6) 80:20
						Medium to slightly dark gray non-calcareous phyllite is generally PS_2 foliated rarely CS_2. Phyllite is interbedded with a medium to slightly olive green non-calcareous 5D0 rock type. 5D0 bands are commonly 5-20cm wide with sharp contacts parallel S_2. Rarely are 5D0 units on the cm-scale, but when they occur are parallel S_1. Phyllite appears to contain a slight to moderate carbonaceous content but S_2 surfaces - rarely tarnish fingers v. dark gray. Rock are slightly soft strongly broken, & locally moderately broken. Recovery is good throughout. Upper and lower contacts are sharp and parallel S_1.
	492.0	495.9			5B9	(5D0) 65:35
						Medium to slightly dark gray phyllite is strongly calcareous CS_2 foliated and hosts 35% dm scale 5D0 bands. 5D0 is medium to slightly olive greenish gray, Moderately to strongly calcareous PS_2 foliated and commonly occur in 20-50cm bands, rarely 2-3cm. All internal contacts are sharp and parallel S_2. Rock is generally slightly to moderately broken; strongly broken and locally crushed below 492.6. Rock is slightly hard. Upper and lower contacts are sharp and parallel S_2

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN '91 Logged By: J. Zbetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	495.9	501.5			5A0	(5D0 : 5B0) 65:25:10
						very dark gray to black, strongly calcareous phyllite is PS_2
						foliated with S_2 surfaces easily tarnishing fingers black.
						Interval supports 25% 5D0 bands 15-40cm wide
						rarely 2-5cm. 5D0 is medium olive green PS_2 foliated
						and strongly calcareous. Interval also contains 10-15%
						5B0 bands which are upto 20cm wide, strongly
						calcareous and PS_2 foliated. Rock is slightly
						rarely moderately soft, strongly broken throughout and
						has good recovery. All contacts are sharp
						and parallel S_2
	501.5	505.5			5B6	±1 ± → 5F6 (5D06: 5B0: 5C0 (?)) 51: 45: 02: 02
						Medium gray non-calcareous phyllite is PS_2 foliated
						and hosts 45% wisps and narrow bands of 5D06.
						5D06 is weakly to non calcareous olive green and is
						interbanded with an olive green unit (of similar scale)
						which hosts a very weakly preserved texture which appears
						igneous (5C0 (?)). 5B0 bands are rare <2cm
						wide and consitute 2% of interval. 5B6 unit is
						locally strongly silicified in ≤15cm bands. Silicified
						intervals constitute <10% of interval. 5D06 display a
						weak CS_2 fabric when interbanded with 5B6 on a
						fine scale. Rocks are generally slightly soft to
						slightly hard, very slightly to moderately broken with

DDH GUDY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN 91 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good recovery Upper and lower contacts are sharp and parallel S_2.
						± → 4LO
	505.5	515.1			5B6	±1:@ (5D86±1) 75:25
						Medium gray, non-calcareous phyllite is generally
						foliated and hosts a band of moderately
						to strongly chloritized green package @ 509.2-510.5.
						Chloritized package contains a 5D6 signature and is
						rarely silicified in a 5-10cm band at the base of the
						subinterval. 5B6 is also rarely silicified and is
						limited to 5-10cm bands constituting 2-3% of interval.
						Interval contains 3-5%, 2-15cm cloudy quartz-
						ankerite veins. Texture of 5B6 adjacent veins
						slightly approaches that of 4LO. Rock is generally
						slightly soft to slightly hard. Core is moderately
						broken with good recovery throughout. Upper
						and lower contacts are sharp and parallel S_2

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: D Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	515.1	515.4			5AQ	(5B6) 51:49
						Black, noncalcareous phyllite is PS_0 foliated with S_2 surfaces also black and moderately tarnish fingers black. Unit 5AQ is interbanded with medium dark gray non-calcareous phyllite. 5AQ laminae are commonly on the mm scale, rarely upto 1.5cm. Interval contains 2-3% very irregular - randomly oriented quartz stringers (3-5mm) which host 1% pyrite clots. Py is very rare in phyllite. Rock is hard, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Lower contact is marked by 1.5-2.0cm band of massive Po. Po band is broken but generally appears oriented parallel S_2. Po band and quartz stringers are very weakly dolomitic
	515.4	516.2			ALQ	
						Light gray, weak hint of green, noncalcareous phyllite is PS_0 foliated. Phyllite hosts 0-2% 1mm stringers of dolomite. S_2 surfaces are very micaceous (muscovite). Rock is strongly broken over upper 30cm, slightly broken below. Recovery is good. Rock is slightly soft. Upper contact is sharp, parallel S_2 and is oriented 70° to core axis. Upper contact is marked by a 1.5-2.0cm weakly dolomitic band of massive Po. Lower contact is sharp, parallel S_2(?) S_1(?) and is oriented at 24° to core axis

DDH 100Y-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov '90 Logged By: E Beckett

Code	From	To	Recov.	No.	Unit	Description
	516.2	516.7			4KO	
						Buff to very light gray dolomitic rock displays a brecciated texture and hosts 10-15% sulphides, Po Sph Ga & Pyare all common and roughly of equal proportion. Sulphides do not display brecciated texture and exist in stringers and clotts disseminated within matrix. Sulphides are most common in upper third of unit and constitute 20-25% of rock over this portion. Rock is hard and unbroken. Upper and lower contacts are very sharp. Upper contact is oriented @ 84° to core axis, lower is oriented 75° to core axis. Estimated grade is 5-7% Pb+Zn.
	516.7	517.5			4GO	(4EO) 75:25
						light gray, very wakly calcareous rock is strongly baritic, moderately mineralized and and moderately well banded. Interval hosts 4EO at 516.7-517.0. Banding in all rock types is variable but generally trends 45° to 55° relative core axis. Rock is slightly soft streaks block and is slightly broken. Upper contact is sharp and oriented 75° to core axis. Lower contact is also sharp, parallel banding and is oriented 41° to core axis. ESTIMATED grade is 10-12% Pb+Zn

DDH 90DY-05

CURRAGH RESOURCES INC.

Lithologic Log

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Date: Nov '90 Logged By: J. Beedell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	517.5	519.1			4EO	4EO → 4LO Brassy yellow, weakly to moderately calcareous, rarely displays banding and is moderately baritic. Units hosts 50-60% py. Baritic occurs as clotty (1-3mm) and disseminated within py mass. Banding where noted is generally oriented 35° to 40° relative core axis. Rock is hard, streaks black and is moderately to slightly broken. Upper and lower contacts are sharp. Upper contact is oriented 41° to core axis and lower contact is 65° to C.A. ESTIMATED grade is 10% Pb+Zn
	519.1	519.7			4KO6	(4EO:4LO) 50:45:05 Buff to very light gray, hard rock reacts moderately to weakly with 10% HCl when scratched. 4EO units occurs as slightly contorted bands disrupted by 4KO clots and bands. 4LO bands display similar nature as 4EO being slightly contorted but also discontinous. 4KO generally lacks in mineralization. Interval is unbroken, generally hard - soft where 4LO occurs. Upper and lower contacts are sharp; upper oriented 65° to CA, lower at 62° to CA. ESTIMATED grade is 3% Pb+Zn
	519.7	520.4			4KO6(?)	FAULT Buff, very hard slightly brecciated rock is well healed at 519.7 - 520.0 and crushed at 520.0 - 520.4. Interval is very weakly mineralized. Mineralization occurs

DDH 10DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov 90 Logged By: J Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						in stringers and clots ⇒ remobilized. Rock is very hard crushed below 520.0. Upper contact is sharp oriented 60° to core axis. Lower contact is crushed. ESTIMATED grade is <1%
						Crushed zone correlated with increase in return flow during drilling ⇒ probable artesian zone.
	520.4	525.2			AGQ	
						Light gray, weakly calcareous rock is strongly baritic, moderately mineralized and well banded. Banding is commonly oriented at low angles to core axis (20° or less). Banding is subparallel core axis at 521.3 to 524.3. Interval contains 10-12% disseminated Py. Rock is soft generally moderately broken, rarely strongly broken. Upper contact is crushed lower contact is irregular, sharp and oriented approximately 50° to core axis. Estimated grade is 8-10% Pb+Zn
	525.2	528.6			AG4	(4E0) 94:06
						Slightly purple brown - locally buff weakly calcareous unit is moderately to strongly mineralized. Interval is well banded throughout. Banding varies from rarely as low as 30° to upto 60° to core axis. Common angles for band are 45° to 60°. Interval is strongly baritic, most barite is disseminated among

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov '90 Logged By: D Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sulphides. Interval contains a single band of 4EO at 426.1 to 426.3. 4EO contacts are oriented at 38° to core axis. Interval is moderately hard, streaks black, and is moderately to slightly broken. Upper contact is irregular, sharp, and oriented ~ 50° to core axis. Lower contact is sharp parallel banding and oriented 68° to core axis.
	528.6	529.1			AK4	
						Purplish brown, slightly brassy, moderately calcareous rock is strongly mineralized and hosts 10% 2-3cm clotts of carbonate with ± quartz. Carbonate clots are moderately reactive with 10% HCl when scratched. Unit hosts 10-15% Py. Upper and lower contacts are sharp, parallel banding and oriented at 65-70° to core axis. Interval banding is only slightly disrupted by clotts. Estimated grade is 15% Pb+Zn
	529.1	531.9			AG4	
						Purplish brown, locally slightly brassy, locally buff moderately calcareous rock is strongly, rarely moderately mineralized. Unit is well banded with banding consistantly oriented 65-80° to core axis. Interval is strongly barite with barite occuring as a disseminated

DDH 90DY-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov '90 Logged By: T. Zbeda

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						matrix and as 3-4mm clotts (5-7%). Rock is moderately hard & slightly to moderately broken. Upper and lower contacts are sharp, parallel banding and oriented at 65-70° to core axis. ESTIMATED grade is 15% Pb+Zn.
	531.9	532.6			AEA	(=> AGO) Brassy yellow to slightly purple brassy moderately calcareous unit is well banded and moderately to strongly mineralized. Unit contains 40-50% by 0% barite clotts, 1-2% calcite clotts and possible minor barite within matrix(?). Banding is generally oriented at 45° to core axis. Upper and lower contacts are sharp and parallel banding. Rock is hard streaks black and is slightly broken. ESTIMATED grade is 12-15% Pb+Zn
	532.6	533.0			AGAA	Purplish to purple brown very weakly calcareous rock is very strongly mineralized, generally massive, locally weakly banded. Unit is barite with disseminated barite and 1-2% 2mm barite clots. Rock is hard streaks black and is slightly broken. Upper contact is sharp

DDH 90DX-05

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov '90 Logged By: J Zbretnuft

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						parallel banding and oriented 45° to core axis - Lower contact is sharp, very irregular and part of a fold nose, with axial plane subperpendicular core axis.
						ESTIMATED grade is >20% Pb+Zn.
	533.0	533.6			4L9	(4G44) 55:45
						light gray very weakly calcareous phyllite is locally interbanded with 5FO on the 2-3mm scale. Generally 4LO is crudely PS_2 foliated. 4G44 occurs sporadically in 2.0 - 4.0 cm bands and clots with often crosscut PS_2 fabric of 4LO and 4LO/5FO. 4LO and 5FO are barren of mineralization and are in very sharp contact with mineralized 4G44. All units are moderately hard (4LO??). Upper contact is sharp, contorted and part of a fold nose with axial plane oriented sub perpendicular core axis. Lower contact is sharp and very irregular => generally sub perpendicular core axis.
						ESTIMATED grade is 7% Pb+Zn
	533.6	534.6			4G44	(5AO) 99:01
						Purplish brown and light gray, very weakly to weakly calcareous rock is moderately, locally very strongly

C.R.I. 1987 E-3A

DDH 90DY-05

CURRAGH RESOURCES INC.

Lithologic Log

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Date: Nov '90 Logged By: T. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						mineralized. Unit is well banded barite and contains 5-20% Py. Banding is generally oriented @ 65° to core axis. Rock is hard, streaks black and is very slightly broken. Upper contact is sharp, very irregular and oriented generally sub perpendicular core axis. Lower contact is sharp parallel banding and oriented 65° to core axis. Lower contact consists of 2cm of 5AO mylonite. 5AO unit is well healed black and strongly tarnishes finger black. 5AO is in lower contact with Dyke - also oriented at 65° to core axis.
						ESTIMATED grade is 15-17% Pb+Zn
	534.6	535.0			10E	
						Grayish brown noncalcareous unit hosts a fine grained massive non-foliated texture with gradation color changes to light buff green at upper and lower contacts. Good igneous texture with 1-2% euhedral feldspars and altered remants of amphibole crystals (?) scattered throughout. Unit is moderately altered and slightly silt. Upper and lower contacts are sharp and oriented @ . Lower contact is also marked by 1.0cm of remobilized (?) Pb+Zn mineralization parallel dyke contact and with a very strong PS_2 fabric.

C.R.I. 1987 E-3A

DDH 90DY-05 (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
	535.0	549.0			5C80	(5D80) 75:25
						Medium-light gray unit is moderately to strongly calcareous, strongly P_2 folded and moderately strongly chloritized. A relict igneous texture is obscured by alteration and strong P_2 fabric. Unit hosts 25% 5D0 occurring in a 60-70 cm band at 538.5-539.2. 5D0 is calcareous P_2 folded and is in sharp contact with 5C80, and is chloritized. All units are soft, moderately broken and display good recovery. Upper and lower contacts are sharp and parallel S_2
	549.0	542.3			5B6	±0
						Medium to light gray, non-calcareous to locally very weakly calcareous is P_2 folded. Rock is slightly soft - possibly weakly chloritized, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	542.3	544.4			5C80	(5B6: 5D0) 75: 15: 10
						Medium gray to green moderately to strongly calcareous, strongly chloritized and strongly P_2 folded. A very poorly preserved igneous texture is identifiable. Unit supports 5B6 at 543.6-544.1

DDH 9UDY-05

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
						5B6 is noncalcareous medium gray, slightly greenish, PS_2 foliated and contains sharp upper and lower contacts parallel S_2. 5D0 units are sporadic and are limited to bands within 5C0, and are typically 1-5 cm wide. Rocks are soft to slightly soft, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	544.4	548.3			5B06	
						Medium gray, very weakly calcareous phyllite is PS_2 foliated and hosts 0-5% quartz calcite veins <1cm wide. Rock is moderately soft, moderately to slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	548.3	551.4			5C08	± minor fault
						Medium to light green, slightly buff strongly calcareous unit is PS_2 foliated and weakly chloritized. Unit displays a well perserved igneous texture and contains 2-3% quartz calcite veins 0.5-2cm wide and oriented parallel S_2. A weak fault consisting of crushed rock and gouge occurs at 548.5-548.8. Unit

DDH 91UDY-05 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

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
						is soft, moderately broken and has good recovery. Upper and lower contacts are sharp and parallel S_2
	551.4	564.7			5B4	± → 5F6 (5F6 : 5C0 : 5B0) 40:30:20:10
						Medium gray noncalcareous locally very weakly calcareous is generally CS_2 foliated and is interbedded with several other rock types. Unit grades into and out of 5F6 which differs only by slight green color. Contacts are gradational. 5C0 is fine grained PS_2 foliated, moderately to strongly calcareous and contains sharp contacts parallel S_2. 5B0 is rare and does not exceed 10cm in width. Contacts are sharp and parallel S_2. Rock varies from slightly hard to slightly soft. Interval is moderately rarely strongly broken. Core recovery is good. Upper and lower contacts are sharp and parallel S_2.
	564.7	574.2			5F0	(5F0) 85:15
						Medium green interval is moderately to strongly calcareous, generally PS_2 foliated, locally CS_2 and designated 5F0. 5F0 also lacks igneous texture. Igneous texture is generally fairly well preserved, fine grained and hosts 0-20% very fine grained leucoxene. Rarely igneous texture is medium

DDH 90DX-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN'91 Logged By: F. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grained with 15-20% matic crystals stretched and chloritized into S_2. Locally contacts between 5FO and 5CO are difficult to pick. Rock is slightly soft, moderately to slightly broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
	574.2	574.7			5B60	(5FO6) 75:25
						Medium gray very weakly to non-calcareous unit is PS_2 foliated and is interbedded with 5FO6 which is medium greenish gray, very weakly calcareous and also PS_2 foliated. Interbedded nature is on the cm-scale. All contacts are sharp. Rock is slightly soft, moderately broken and has good recovery. Upper and lower contacts are sharp and parallel S_2.
	574.7	583.1			5CO1	6 (5FO6) 75:25
						All units are medium green, weakly to rarely moderately calcareous with 5CO units PS_2 foliated and 5FO units CS_2 foliated, textural contains 5FO6 at 574.7-575.7, 578.3-579.2 and 582.9-583.1. 5CO units are fine grained with a well preserved igneous texture. Rock is slightly soft moderately to slightly broken and hosts 2-3% quartz calcite stringers and veins (< 2.0cm). Recovery is good. Upper and lower contacts are sharp and parallel S_2.

DDH 90DY-05 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JAN '91 Logged By: J. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	583.1	588.2			5C46	$ (5F60) Buff with green wisps weakly dolomitic unit is strongly bleached and hosts 15-20% stretched chloritized mafic minerals oriented parallel S_2. Inequigranular texture is crudely preserved within a strong PS_2 fabric. Unit hosts 5F60 at 584.3 - 586.0. Subsidiary unit is very weakly to non-calcareous, CS_2 locally PS_2 foliated and contains sharp contacts parallel S_2. 5C46 $ unit is soft to very soft, 5F60 is moderately soft. 5C46 is rarely crushed. Interval contains 5-7% dm- and cm-scale quartz calcite veins of variable orientation. Recovery is good. Upper and lower contacts are sharp and parallel S_2.
	588.2	590.8			5F46	(?) (5B60 → 5F60) 60:40 Medium green, textureless PS_2 foliated is non-calcareous and rarely displays 2-3mm bands interpreted as S_1 beds parallel S_2. Rock is slightly hard to slightly soft. Interval hosts a medium gray-slightly green unit at 589.6 - 590.8. Unit is very weakly calcareous and displays a well developed CS_2 fabric. Unit is slightly soft to slightly hard. Recovery is good throughout. Upper contact is sharp and parallel S_2. Lower contact is strongly broken with minor gouge.

CDI 1987 F 7

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN '91 Logged By: J. Zbednoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	590.8	592.5			5C4	$
						Bleached greenish buff weakly dolomitic unit displays a strong PS_2 fabric which faintly perserved an igneous texture defined by 5-10% mafic wisps altered to chlorite. Rock is soft moderately broken and locally crushed in bands 2-15cm wide. Recovery is good. Upper and lower contacts are sharp and parallel S_2. Contacts are also marked by quartz calcite veins 10-2cm wide.
	592.5	593.8			5B6	±8 ± -> 5F6
						Medium gray - locally slightly to moderate greenish in color, non calcareous to locally very weakly calcareous CS_2 locally PS_2 foliated phyllite is sporadically weakly chloritized and tends to a 5F6 appearance. Rock is slightly soft, moderately broken and has good recovery. Upper and lower contacts are sharp and parallel S_2
	593.8	601.3			5F60	(5B0 : 5C6) 90:05:05
						Medium green, non-calcareous to very weakly calcareous, generally CS_2 foliated locally PS_2 foliated rock hosts bands of 5B0 and 5C6. 5B0 units are 20-30cm wide, medium gray, moderately calcareous and are in sharp contact with 5F60. 5C0 bands are

DDH 90DY-05 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN 91 Logged By: J. Beadnell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fine grained, PS, foliated, non-calcareous to very weakly calcareous. SCB bands are often difficult to isolated from PS foliated SFBO. Rocks are slightly soft, moderately broken and have good recovery. Upper and lower contacts are sharp and parallel S_2
	601.3	606.9			5B04	±0 ±8 (10E) 99:01
						Protolith is medium grey, moderately calcareous, CS_2 foliated and has commonly been altered to a light to medium yellowish green to light green color. Altered intervals are very weakly calcareous. Alteration commonly displays gradational contacts. Unit supports a 25cm dyke 10E. Upper contact of dyke is oriented 045°/33 relative S_2. Lower contact is oriented 50 TCA. 10E is medium grayish brown with 0-7% 2-3mm feldspar crystals within a very fine grained massive matrix. Rock is slightly hard, moderately broken with good recovery. Upper and lower contacts are sharp. Upper contact is parallel S_2, lower contact is oriented 345°/27 relative S_2

CDI 1987 F 7

DDH 90DY-05 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JAN '91 Logged By: E. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	606.9	607.4			104#	
						Medium to slightly dark brownish gray, moderately calcareous dyke is fine grained and hosts 0-1% feldspar crystals <2mm in diameter. Chilled margins with lighter coloration near contact appears at lower contact. 10-15% vessicles (?) occur within 20cm of lower contact. Rock is hard slightly to moderately broken. Upper contact is sharp and oriented at 345/27° to S_0. Lower contact is sharp and is oriented at 40° to core axis, parallel shear fabric of lower unit.
	607.4	610.2			5A*	
						Very dark gray to black very weakly calcareous unit contains a strong shear fabric. Fragments within shear fabric are dominated by quartz but also contain 5FO(?) SDO wisps and bands. Fabric varies in orientation but generally trends at high angles to core axis. Unit is slightly hard, moderately broken, rarely strongly broken, even more rarely crushed (<10cm). Upper and lower contacts are sharp. Upper contact is oriented at 40° TCA, Lower contact at 33° TCA.

CRI 1997 E-3A

DDH 90DY-05 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN '91 Logged By: S. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	610.2	618.1			3A14	Hornfelsed Interval is dark gray to black, non-calcareous, with weak brownish alteration common - hornfels(?). Unit also altered yellow brown in sporadic clots and bands - sharp contacts are common. Unit contains a strong shear fabric commonly 30° TCA. Locally unit is strongly brecciated with a matrix supported fabric. Unit is moderately silicified throughout. Rock is hard, slightly broken with good recovery. Upper and lower contacts are sharp. Upper contact is oriented 33° TCA Lower contact is is very irregular and generally trends 60° TCA.
	618.1	621.3			10E	(360 ±1) 70:30 Light brown to tan locally chocolate brown dyke is moderately to strongly calcareous, massive and hosts 20-25% <1mm feldspar crystals altered to yellowish tan. Rarely feldspar crystals are upto 0.5cm. Interval hosts 1.0 m band of 360 with sporadic silicification. 360 ±1 is dark gray, non-calcareous and does not tarnish fingers. Moderate brecciate texture is displayed in 360 ±1 and is clast supported. All contacts are sharp, Dyke is slightly hard, phyllite is soft where silicification is absent.

DDH 90DY-05

CURRAGH RESOURCES INC.
Lithologic Log

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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
	621.3	633.6			3EQ$	±1 ± hornsfels ± #
						Dark gray to black phyllite is non-calcareous, very rarely weakly calcareous, displays a weak to moderately well developed shear fabric generally trending 30° TCA. Locally shear fabric is overprinted by weak breccia texture. Silicification is common but weak, hornfels is sporadic. Dolomitic clots and fracture fillings are common (2-5%). Py and Po are rare but does occur as networks comprising 10-15% of 5-10cm bands. Rock is generally slightly hard, locally very soft with open shear fabric consisting of gouge. Recovery is good. Upper and lower contacts are sharp.
	633.6	657.8			10E	
						Medium to light gray, non-calcareous, locally weakly calcareous dyke hosts 5-7% 0.5-0.75cm feldspar phenocrysts, 5% biotite phenocrysts (.2-.3mm) and 0-15% quartz eyes. Rock is hard, locally strongly broken with good recovery throughout. Upper contact is sharp and oriented 30° TCA. Lower contact has not been cored.
		657.8				END OF HOLE

DDH 90A4-05 (2 8) CURRAGH RESOURCES INC. Page 66 of 84

ASSAY LOG (SAMPLER'S COPY) Date Nov'90 Logged by J. Sinclair Sampled by S. Sinclair

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
							0-516.2 - WASTE
	516.2	516.7	65116	0.5	1	4K0	
	516.7	517.5	65117	0.8	1	4G0	
	517.5	518.3	65118	0.8	1	4G0	
	518.3	519.1	65119	0.8	1	4E0	
	519.1	519.7	65120	0.6	1	4G0	
	519.7	520.4	65121	0.7	1	4K06	
	520.4	521.1	65122	0.7	1	4G4	
	521.1	521.8	65123	0.7	1	4G4	
	521.8	523.2	65124	1.4	1	4G4	
	523.2	524.6	65125	1.4	1	4G0	
	524.6	525.2	65126	0.6	1	4G0	
	525.2	526.1	65127	0.9	1	4G4	
	526.1	526.3	65128	0.2	1	4G4	
	526.3	527.4	65129	1.1	1	4G4	
	527.4	528.6	65130	1.2	1	4G4	
	528.6	529.1	65131	0.5	1	4K4	
	529.1	530.2	65132	1.1	1	4G4	
	530.2	530.9	65133	0.7	1	4G4	
	530.9	531.9	65134	1.0	1	4G4	
	531.9	532.6	65135	0.7	1	4E4	
	532.6	533.0	65136	0.4	1	4G4	
	533.0	533.6	65137	0.6	1	4G4	
	533.6	534.6	65138	1.0	1	4G4A	
							534.6 - EOH WASTE

184m ✓

DDH 90AX-05 (2 8) CURRAGH RESOURCES INC.

Fault Log

Date: Nov '90 Logged By: P. Escott

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	
		9.1						CASING
	30.6	31.2						Crushed to strongly crushed, minor gouge, very weakly calcareous. Parallel to subparallel S_2. Moderate oxidation (Suspect source for artesian water)
	32.9	33.4			34	34		Very strongly crushed, minor gouge, moderately calcareous moderately to strongly oxidized (Possible source for artesian water)
	33.4	37.3			20	20		Moderate to locally strong oxidation on S_2 and fractures at low angles to core axis. Fractures are common are are of variable strike, dips from 0° to 30° to core axis. (Possible source for artesian water)
	40.2	40.5			45	45	48	Weak fault - gouge bands and crushed zones 0.5 - 3.0 cm. Moderate to strong oxidation, weak to moderate calcareous nature
	80.0	82.3						Strongly broken parallel S_2, crushed and gouge at 81.8 - 82.1
	90.8	91.8						Very strongly broken, weakly crushed, rare gouge

DDH 90DX-05 (2 8) CURRAGH RESOURCES INC. Page 68 of _____

Fault Log Date: Nov '90 Logged By: D. Sheahan

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	
	93.5	95.5						Strongly broken locally very strongly broken and weakly crushed, gouge is very rare.
	152.3	155.6						75% of interval is strongly broken, S_2 breaks are very much dominant. (Possible source for artesian flow).
	167.2	171.1			42 078		30 955	FAULT ZONE: gouge at: 167.2 - 168.0; strongly broken, crushed and 15-20% gouge at 163.6 - 169.9; gouge at 169.9 - 171.1. Internal angles are variable (Probable source for artesian water)
	323.4	323.8			40 155			FAULT: 80% gouge - calcareous, Phyllite also calcareous - strongly broken crushed.
	324.6	326.7				20 040		FAULT: Strongly broken, rarely crushed 1-2% gouge in 5-10 cm bands - calcareous. Phyllite generally calcareous, non calcareous and moderately porous below 325.8.

DDH 90DX-05 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: Dec'90 Logged By: J. Sheehan

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	
	357.7	358.4			35 020		45 295	Wide fault: soft rock very weakly crushed still intact. 2cm gouge band at top of interval.
		383.1						Drilling reports indicate strong increase of water returning to surface: artesian flow. No corresponding interval is noted in core! Moderate breakage of rock occurs at 382.7 - 383.3 - interval is strongly to very strongly calcareous => NOT SOURCE FOR ARTESIAN FLOW!
	409.2	414.1						Broken Zone: Interval is strongly broken (S_2 dominant with rare low angle to CA) Minor gouge 1-2cm wide, rare 8cm gouge bands.
		437.3						2cm gouge near dyke contact, parallel S_2.
	461.4	463.2						Strongly broken // S_2 minor gouge and crushed bands 1 - 10cm.

DDH 90DY-05 (2 / 8) CURRAGH RESOURCES INC. Page 70 of _____

Fault Log Date: JAN 91 Logged By: F. Sheehan

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	
	484.0	484.3						very strongly broken parallel S_2 70° TCA, trace gouge
	491.0	492.5						V. strongly broken // S_2, minor gouge
	499.0	499.6						V. Strongly broken & crushed // S_2
	519.7	520.4						Dolomite: competent & hard from 519.75 - 519.9, crushed @ 519.9 - 520.4 poor recovery, artesian flow during drilling.
	539.5	540.1						rubble, strongly broken, clay on very irregular fracture surfaces
	548.4	548.7						crushed with minor gouge // S_2
	590.5	591.2						very soft rock, strongly broken
	623.1	621.7				17 —		crushed and gouged
	625.9	626.6						Crushed with minor gouge
	629.0	629.3						Crushed

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DDH 90DY-05 (2 / 8) CURRAGH RESOURCES INC.

Fault Log

Date: JAN '91 Logged By: F. Beckwith

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	
	1630.1	1630.3						crushed
								END OF HOLE

C.R.I. 1987 E-7

DDH 90DY-05 (2 – 8)

CURRAGH RESOURCES INC.
Structural Log

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Date: Nov '90 Logged By: J. Zbeetall

Code	From	To	Feature	Sym	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	
		13.5	PS2	—	064	—	72	
		16.1	CS2	S	157	22 336	56	
		24.2	CS2	Z	160	15 157	64	
		27.1	CS2	Z	—	10 220	77	
		35.5	CS2	Z	006	17 180	67	
		39.4	CS2	Z	017	16 180	85	
		47.4	CS2	Z	—	10 154	84	
		51.7	CS2	S	002	25 330	85	
		57.3	PS2	—	052	—	78	
		64.0	CS2	S	006	30 011	70	
		66.7	CS2	S	—	18 020	77	
		70.5	CS2	S	—	22 029	76	
		78.4	CS2	S	—	24 017	78	
		85.6	PS2	—	—	—	80	
		91.9	CS2	Z	032	14 218	73	
		94.4	PS2	—	007	—	69	
		102.3	PS2	—	081	—	82	L_3 => 034°
		106.7	CS2	S	043	12 025	76	
		112.8	CS2	S	051	15 063	81	
		119.8	CS2	S	107	15 047	75	
		122.2	CS2	S	016	08 015	43	
		131.0	CS2	S	—	15 032	78	
		137.2	CS2	S	038	24 334	77	
		144.5	CS2	S	045	13 049	81	
		150.0	CS2	Z	009	13 160	82	
		153.7	PS2	—	052	—	83	L_3 => 043
		161.5	CS2	S	160	12 341	70	
		164.1	CS2	S	170	20 325	65	
		172.0	PS2	—	—	—	74	
		174.6	CS2	Z	006	21 201	71	
		180.3	PS2	S	095	29 279	84	
		187.0	PS2	S	013	22 358	86	L_3 => 173°
		192.7	PS2	Z	167	20 178	82	
		198.7	PS2	Z	166	13 139	84	
		206.1	PS2	S	167	17 330	75	
		210.3	PS2	S	091	29 075	81	

DDH 90DX-05 (2–8)

CURRAGH RESOURCES INC.
Structural Log

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Date: Nov 90 Logged By: J. Zbeetnoff

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	
		218.6	CS2	Z		101	11	283	89		Poor orientation of S_2!
		224.5	CS2	Z		059	28	253	71		
		226.9	CS2	S		022	10	023	81		
		233.6	CS2	S		031	19	027	73		
		237.6	CS2	Z		042	16	035	73		
		243.8	CS2	Z		032	14	207	76		
		250.0	CS2	S		003	11	015	78		
		254.2	CS2	S		174	15	000	76		
		261.6	PS2		—	—	—	—	78		
		265.9	PS2		—	—	—	—	62		
		272.5	CS2	S		024	18	039	84		
		279.6	CS2	Z		022	44	219	64		
		285.5	CS2	S		035	14	043	76		
		292.6	CS2	Z		025	15	198	70		
		296.8	CS2	S		022	13	341	63		
		302.9	PS2		—	—	—	—	60		
		308.5	CS2	Z		085	17	265	84		
		312.9	CS2	S		003	12	342	75		
		319.5	CS2	S		110	16	314	81		
		324.3	PS2		—	126	—	—	77		
		329.9	CS2	S		004	12	328	80		
		336.5	CS2	S		090	17	067	72		
		342.6	CS2	S		068	18	034	73		
		348.7	PS2		—	—	—	—	75		
		352.5	PS2		—	—	—	—	50		shear fabric - well healed
		358.7	CS2	Z		008	09	145	71		
		365.9	CS2	Z		005	05	175	81		
		370.3	CS2	S		076	05	058	86		
		376.0	CS2	S		070	17	031	83		
		383.3	CS2	Z		—	24	175	69		
		386.0	CS2	S		165	15	350	73		
		392.6	CS2	Z		050	11	230	83		
		402.3	CS2	S		—	19	010	74		
		405.7	CS2	Z		018	21	211	75		
		412.5	PS2		—	010	—	—	77		CS2 Caotic
		418.0	PS2			045	—	—	71		

DDH 92DY-05 (2 8) CURRAGH RESOURCES INC. Page 74 of _____

Structural Log Date: Dec '90 Logged By: J. Sheehy

Code	From	To	Feature	Sym	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	
		425.3	CS2	S	008	08 343	81	
		429.5	CS2	S	005	06 338	84	
		433.8	CS2	S	937	07 020	72	
	4380	461.2						Dyke contacts // S_2
		463.7	PS2				70	
		470.6	CS2	Z		26 240	80	
		2	CS2	Z	035	30 185	81	
		480.0	CS2	S	035	30 005	76	
		483.8	CS2	S	043	18 035	73	
		490.5	CS2	Z	—	22 112	84	
		498.2	CS2	S	031	12 052	80	
		502.3	CS2	S	010	08 350	64	
		509.0	PS2				72	Cataclc S_2
		514.0	CS2	S	—	27 020	57	
		518.5						Fold A.P I CA
		519.3						Banding 40 TCA
		52H.5						Banding // C.A.
		530.2						Band. 65° TCA
		532.8						Banding @ 47° TCA
		536.0	PS2				82	
		543.8	PS2				80	
		547.3	PS2		068		58	
		552.2	PS2				64	
		560.0	CS2	S	150	12 323	77	
		563.8	PS2				67	
		571.1	CS2	S	—	20 333	65	
		574.7	PS2				68	
		580.3	PS2				67	
		589.3	PS2		010		72	
		593.3	CS2	S	156	12 090	72	
		597.4	PS2		147		54	
		602.1	CS2	S	—	15 305	68	
		606.9	—	C	—	26 345	69	CONTACT WITH DYKE
		608.8	PS2				68	SAX show fds.
		618.1					37	DYKE CONTACT - irregular 37
		619.0					44	" " 44

DDH 9DY-05 (2 / 8) CURRAGH RESOURCES INC.

Structural Log

Date: JAN'91 Logged By: J. Escott

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	
		620.0						DYKE CONTACT 28°
		621.3						DYKE Contact 45°
	621.3	633.6						Calcite veined shear fabric
		633.6						DYKE UPPER CONTACT 45°
	633.6	657.8						MGSV - DYKE
								END OF HOLE

PROJECT _____ DRILLHOLE NO. 90DY-05 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ E _____ PAGE 76 of __

LOGGER J. Zbeetnoff @ L.S. INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS	DEGREE OF BREAKAGE CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
9.1																	CASING
11.6		1.4		0				6	E							27	
12.3		0.7		0				6	E/F							32	
14.8		2.3		0.1				7	F							49	
15.6		0.6		0				6	F							27	minor gouge <1cm
16.2		1.6		0.35				9	F							11	
18.0		1.8		1.0				10	E/F							21	
20.1		2.1		1.65				10	F							40	
21.0		0.9		0				9	F							17	
22.4		1.4		0.1				7	F							26	
23.0		0.5		0.2				6	F							10	
24.4		1.4		0.1				7	F							36	
25.0		0.5		0				6	F							22	
25.8		0.8		0				6	F							27	
27.1		1.3		0				6	F							38	sporadic gouge <0.5cm
28.2		1.1		0.3				6	F							23	
29.6		1.4		0.2				7	F							29	
30.9		1.3		0.55				10	F							19	crushed below 30.7
31.2		0.25		0				5	E							~15	crushed, minor oxidation
33.2		1.9		0.35				7	D							25	locally crushed & mod oxidized
35.2		1.6		0.5				9	E							27	mod oxidation along S_2
36.3		1.1		0.2				9	F							18	very local oxidation along S_2
38.7		2.4		0.9				9	F							34	rare wk to mod oxidation at S_2
41.8		3.1		1.3				9	E/F							43	very rare <1cm gouge
45.0		3.2		1.95				11	F							32	
48.2		3.2		2.0				10	F							42	very rare <1cm gouge
51.4		3.1		1.85				11	F							38	
54.6		3.2		2.0				10	F							37	
57.3		2.8		1.3				10	F							36	mod oxidation on sporadic fractures

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DY05 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ E _____ PAGE 27 of __

LOGGER J. Sexsmith INCLINATION _____ ELEVATION _____

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VANCOUVER CALGARY

2 **GEOTECHNICAL CORE LOG**

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
60.1		2.8		0.55				7	F							49	loadly strongly broken
101.6		1.5		0.25				11	E							25	" " "
64.8		3.2		2.0				10	F							37	
68.0		3.2		1.55				7	E							47	
71.2		3.2		2.0				11	E/F							41	
74.4		3.2		1.2				7	D							43	
77.6		3.2		1.7				10	E/F							34	
80.6		3.0		0.65				6	F							53	
82.3		1.7		0				6	F							46	crushed & gouged @ 81.8 - 82.1
85.5		3.2		2.0				10	F							39	
88.1		2.6		1.8				11	F							26	
91.1		2.5		0.8				9	F							44	strongly broken below 90.8
91.8		0.3		0				4	F							N/A	crushed and strongly broken
93.9		2.1		1.05				11	F							30	strongly broken below 93.5
97.2		2.9		1.45				10	F							38	rare gouge & strongly bkn zones
100.3		3.1		2.1				11	F							23	
103.3		3.0		2.7				12	F							18	
106.4		3.1		2.65				11	F							20	
109.4		3.0		2.3				11	F							22	
112.5		3.1		2.25				11	F							21	
115.5		3.0		1.8				10	F							30	
117.4		1.9		1.1				10	F							19	
120.6		3.2		2.2				11	F							31	
123.8		3.2		2.6				12	F							21	
127.1		3.3		1.75				10	F							37	
130.3		3.2		1.9				11	F							32	
133.5		3.2		2.3				11	F							22	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 90DX-05 COORDINATES: N _____ DATE Nov 1990

LOCATION _____ HOLE SIZE NQ E _____ PAGE 78 of _

LOGGER J. Zbeetnoff INCLINATION _____ ELEVATION _____

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GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

3

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS	DEGREE OF BREAKAGE CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
136.9		3.4		1.95				10	F							35	
139.9		2.9		2.3				11	F							21	
143.0		3.1		1.65				10	F							31	
146.0		3.0		2.0				10	F							20	
149.1		3.1		2.05				11	F							24	
152.1		3.0		2.5				12	F							16	
155.1		1.9*		0.65				6	F							59	generally strgly bkn / ± crushed
158.2		3.1		1.2				7	F							38	
161.2		3.0		1.35				6	F							37	bimodal breakage: 6 & 10
164.3		3.1		2.55				11	F							17	
167.0		2.7		2.3				11	F							19	
168.3		1.3		0.1				4	F							18	Generally gouge @ bkn rock
169.5		1.1		0				5	F							23	strongly bkn minor gouge
170.1		0.6		0				4	F							15	gouge & strgly bkn
172.5		2.4		0.75				9	F							29	gouge above 171.5
175.9		3.4		2.4				11	F							21	
179.1		3.2		2.9				11	F							23	
182.3		3.2		2.9				13	F							16	
185.3		3.0		2.5				12	F							20	
188.5		3.2		3.0				12	F							21	
191.7		3.2		2.75				11	F							22	
194.8		3.1		2.6				11	F							23	
197.8		3.0		2.85				12	F							17	
200.9		3.1		2.6				11	F							18	
203.9		3.0		2.85				11	F							21	
207.0		3.1		2.9				11	F							19	
210.0		3.0		3.0				13	F							10	
213.1																	

Artisian

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 91DY-05 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ E _____ PAGE 4 of _

LOGGER J. Zbeetnoff INCLINATION _____ ELEVATION _____

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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
213.1		3.1		3.0				13	F							14	
216.1		3.0		2.7				11								21	
219.2		3.1		2.7				14								17	
222.2		3.0		2.4				12								24	locally mod. broken
225.3		3.1		2.0				12								24	locally mod broken
228.3		3.0		2.8				12								18	
231.3		3.0		2.9				13								15	
234.4		3.1		2.7				12								22	
237.4		3.0		1.85				11								35	locally mod-strgly broken
240.5		3.1		2.0				11								33	
243.5		3.0		2.5				12								23	
246.6		3.1		2.1				10								28	
249.6		3.0		1.9				10								31	
252.7		3.1		1.75				9								34	
255.7		3.0		2.05				11								31	
258.8		3.1		2.9				12								15	
261.8		3.0		2.5				11								20	locally mod broken
264.9		3.1		2.4				12								17	
267.9		3.0		2.3				11								23	
271.0		3.1		2.3				11								22	
274.0		3.0		2.4				11								24	
277.1		3.1		2.2				10								29	
280.1		3.0		2.0				10								37	
283.2		3.1		2.5				11								24	
286.2		3.0		2.4				10								24	
289.3		3.1		2.4				11								21	
292.3		3.0		2.2				10	F							27	

Fig. 1. Typical rock mechanics core log.

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PITEAU & ASSOCIATES
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

5

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
295.4		3.1		2.8				12	F							19	
298.4		3.0		2.7				10								28	
301.5		3.1		2.3				12								20	
304.5		3.0		2.2				11								25	
307.5		3.0		1.65				11								37	strongly broken below 306.8
310.6		3.1		2.0				10								38	moderately broken above 308.1
313.6		3.0		1.7				9								41	
316.7		3.1		0.9				7								60	
319.7		3.0		1.4				9								47	strongly broken with gouge above 317.0
322.8		3.1		0.15				7								61	
325.8		3.0		0.5				6								43	V. stgly broken with gouge @ 323.4 - 324.8 below 324.8
328.9		3.1		0.9				9								51	v. strongly broken above 326.7
331.9		3.0		2.7				13								13	
335.0		3.1		2.0				12								19	
338.0		3.0		2.65				12								17	
341.1		3.1		2.8				13								15	
344.1		3.0		2.7				12								19	
347.2		3.1		2.3				11								20	locally mod-stgly broken
350.2		3.0		2.6				11								25	
353.3		3.1		1.9				11								30	
356.3		3.0		2.9				13								12	
359.4		3.1		1.5				11								34	locally strongly broken
362.4		3.0		2.1				11								26	
365.5		3.1		2.75				12								16	
368.5		3.0		2.7				13								15	
371.6		3.1		3.1				13								16	
374.6		3.0		2.9				13	V							17	

Fig. 1. Typical rock mechanics core log.

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GEOTECHNICAL CORE LOG

6

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
377.7		3.1		2.6				11	F							21	
380.7		3.6		2.8				14								12	
383.7		3.0		2.1				11								31	strongly broken below 382.8
386.8		3.1		2.5				10								30	
389.8		3.0		2.6				12								18	locally mod broken
392.9		3.1		2.0				10								32	
396.0		3.1		2.9				13								12	
399.0		3.0		2.8				12								19	
402.0		3.0		2.6				11								22	
405.1		3.1		2.4				11								23	
408.1		3.0		2.45				11								20	
411.2		3.1		1.3				7								38	strongly broken below 409.2
413.9		2.7		0.8				6								42	strongly broken above 413.1
415.4		1.7		0.7				9								24	strongly broken above 414.4
418.6		3.2		1.55				11								25	
422.0		3.4		1.9				12								15	
425.0		3.0		2.0				12								27	
428.4		3.4		2.35				10								33	
431.6		3.2		2.55				11								30	
434.8		3.2		2.6				12								21	
438.0		3.2		1.95				10								36	2cm gouge at dyke contact
441.2		3.2		1.9				11								16	
444.4		3.2		2.9				13								13	
447.6		3.2		3.1				13								10	
450.8		3.2		3.2				14								6	
453.8		3.0		3.0				14								4	
456.9		3.1		3.1				14								4	

Fig. 1. Typical rock mechanics core log.

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LOGGER J. Zeetnuk | INCLINATION _____ | ELEVATION _____

7

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GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
459.9		3.0		3.0				14	F						9		
463.0		3.1		1.5				6							28		strongly broken below 461.1 ± gouge
465.9		2.9		0.6				6							44		
469.1		3.0		0.7				6							47		strongly broken, locally crushed
472.1		3.0		1.6				10							48		locally only mod broken
475.2		3.1		1.3				6							50		
478.2		3.0		2.1				10							24		
481.3		3.1		0.7				7							50		
484.3		3.0		0.5				6							57		crushed @ 483.9 - 484.2
487.4		3.1		0.45				6							71		
488.3		0.9		0				6							24		
491.6		3.3		0.6				6							66		locally v. strongly broken
494.8		3.2		1.65				11							46		v. strongly broken above 492.6
498.2		3.4		1.2				7							54		rarely slightly broken
500.0		1.8		0				6							42		Crushed & minor gouge @ 499 - 499.8
502.6		2.5		1.25				10							30		locally strongly broken
505.7		3.0		2.55				14							13		
508.7		3.0		2.7				13							13		
511.8		3.1		1.6				13							31		strongly broken @ 509.2 - 510.3
514.8		3.0		2.4				11							29		
517.9		3.1		2.1				11							35		
520.9		3.0		1.95				11							19		
524.0		3.1		2.0				10							31		
527.0		3.0		2.7				12							18		
530.1		3.1		2.9				11							20		
533.1		3.0		2.35				11							21		
536.1		3.0		2.75				11							21		

Fig. 1. Typical rock mechanics core log.

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LOGGER J. Pitt INCLINATION _____ ELEVATION _____ 8

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GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
539.2		3.1		1.7				9	F							39	
542.2		3.1		1.0				8	F							46	Clayey coated fracture at CA20° at 539.6-540.3
545.3		3.0		1.0				11	F							40	Blocky core at 543.4-543.6.
548.3		3.0		2.3				12	F							17	
550.6		2.4		0.7				9	F							55	Friable broken core at 548.5-548.8. Blocky core at 549.0-549.
551.4		0.7		0				7	F							20	Blocky core with clayey gouge at 550.8-551.0.
554.4		3.0		1.9				11	F							28	
557.5		3.1		1.0				8	F							42	Blocky core at 555.1-555.3, 555.7-556.
558.1		0.6		0				6	F							23	Blocky core throughout.
559.0		0.8		0.2				9	F							18	Blocky core at 559.0-559.2, 559.4-559.5.
559.6		0.6		0.4				11	F							5	
560.5		1.0		0.5				10	F							9	
563.6		3.0		2.0				12	F							28	Blocky core at 563.3-563.4.
566.6		2.9		1.8				11	F							26	Blocky core at 536.7-536.8.
569.7		3.0		1.9				10	F							31	Blocky core at 567.3-567.6, 567.9-568.
572.7		3.0		2.2				11	F							23	Blocky core at 572.4-572.6.
575.8		3.1		1.5				12	F							29	Blocky core at 574.2-574.3.
578.8		2.9		2.5				12	F							19	Blocky core at 578.2-578.4.
581.9		2.9		2.8				14	F							9	
584.9		3.1		2.3				13	F							23	Blocky core at 584.7-584.8.
587.8		2.8		1.0				9	F							39	Blocky core at 585.1-585.4. Soft-chlo at 587.5-587.6.
591.0		3.1		1.9				10	F							37	Blocky core at 590.5-591.0.
594.1		2.9		0.7				11	F							56	Soft chloritic-blocky at 591.0-591.2.
597.1		2.9		2.3				11	F							18	Blocky core at 591.8-592.0.
600.2		3.0		2.2				13	F							16	
603.2		3.1		1.9				11	F							28	
606.2		3.0		2.0				10	F							22	

Fig. 1. Typical rock mechanics core log.

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GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
609.3		3.0		2.1				12	F						20		
611.7		2.4		1.1				9							22		
614.9		3.2		3.1				14							5		
618.1		3.1		2.7				11							17		
621.3		3.1		2.2				13							18		minor crushed beds 20cm
624.5		3.1		1.8				12							21		crushed and gouged @ 623.1 - 623.7
627.6		3.0		1.5				11							14		crushed and gouged @ 625.9 - 626.5
630.6		3.1		1.9				11							13		locally crushed and gouged
633.7		3.2		2.5				13							11		
636.7		3.1		2.3				11							15		
639.8		3.0		2.8				14							11		
641.0		1.1		0.85				11							5		
641.6		0.85		0.5				10							5		
642.8		1.3		0.7				9							10		
645.9		3.0		1.8				10							24		
647.4		1.5		0.6				11							11		
648.6		1.3		0.3				9							18		locally strongly fractured
651.1		2.4		1.6				10							22		cummulatively strongly fractured
654.4		2.6		1.4				11							21		
656.8		2.8		1.7				12							24		
657.8		0.8		0.3				9							10		
EOH																	

Fig. 1. Typical rock mechanics core log.

11.6
12.3
14.8
15.6
90-DY-05-DS-Bx2
16.2
18.0
20.1
21.0
90-DY-05-DS-Bx3
22.4
23.0
24.4
25.0
25.8
90-DY-05-DS-Bx4
27.1
28.2
29.6
31.2

90-DY-05-DS-Bx5
33.2
35.2
36.7
90-DY-05-DS-Bx6
38.7
41.5
90 DY-05-DS Bx7
45.0
48.2
90 DY-05-DS Bx8
50.4
51.4

54.6
57.3
90 DY-05-DS Bx 10
60.1
61.6
64.8
90 DY-05-DS Bx 11
90 DY-05-DS Bx 12
71.2
74.4

77.6
80.6
90-DY-05-[redacted]-Bx14
82.3
85.3
85.7
90-DY-05-DS-Dx15
87.6
88.1
91.1
91.8
90-DY-05-DS-Bx16
93.9
97.2

90-DY-05-DS-Bx17
100.3
103.3
90-DY-05-DS-Bx18
106.4
109.4
90 DY-05-DS Bx19
112.5
115.5
90 DY-05-DS Bx20
117.4
120.6

123.8
127.1
90 DY-05-DS Bx 22
130.3
90 DY-05-DS Bx 23
133.5
90 DY-05-DS Bx 24
139.9
143.0

90 DY-05 Bx 25
146.0
149.1
90 DY-05 Bx26
152.1
155.1
90 DY-05 Bx27
158.
161.3
90 DY-05 Bx28
164.3
167.0

90 DY-05 Bx29
168.3
169.5
170.1
171.1
172.5
90 DY-05 Bx30
175.9
90 DY-05 Bx31
179.1
182.3
90 DY-05 Bx32
185.3
188.5

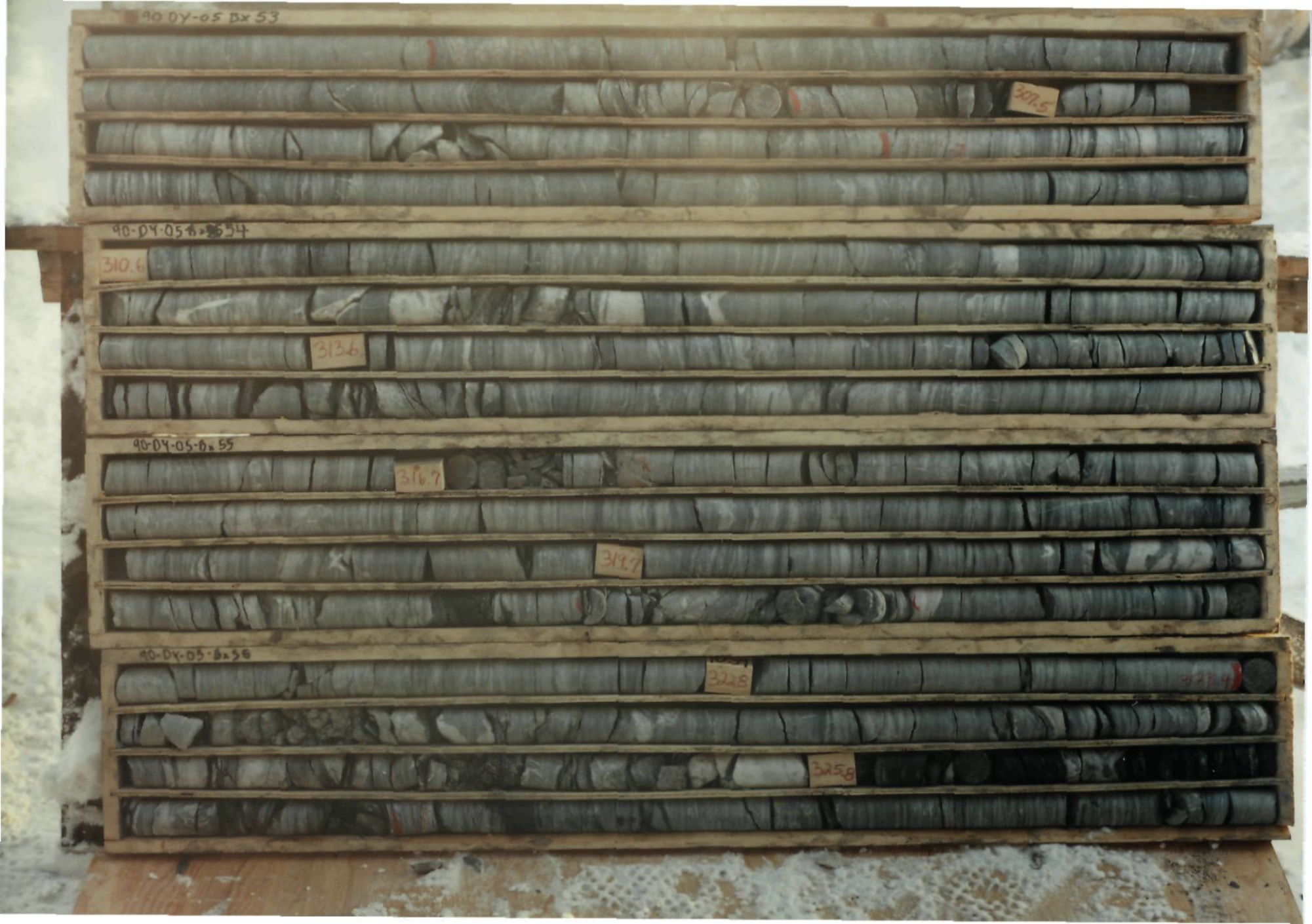
90 DY-05 BX33
191.7
194.8
90 DY-05 BX 34
197.5
200.9
90 DY-05 BX35
203.9
207.0
90 DY-05 BX36
210.0

90 DY-05 Bx 37
216.1
90 DY-05 Bx 38
219.2
222.7
90 DY-05 Bx 39
225.3
228.3
90 DY-05 Bx 40
231.3

90 DY-05 Bx41
90 DY-05 Bx42
90-DY-05-Bx43
90-DY-05-Bx44

90-DY-05-B×45
90-DY-05-B×46
90-DY-05-B×47
90-DY-05-B×48

90 DY-05 Bx 49
283.2
286.5
90 DY-05 Bx 50
289.3
292.3
90 DY-05 Bx 51
295.4
298.4
90 DY-05 Bx 52
301.5
304.5


90 DY-05 Bx 53
307.5
90-DY-05 Bx 54
310.6
313.6
90-DY-05-Bx 55
316.7
319.7
90-DY-05-Bx 56
322.5
325.8

90-DY-05-Bx57
328.9
331.9
90-DY-05Dx58
336.0
338.0
90-DY-05-Dx59
341.1
344.1
90 DY-05 Bx60
347.2
350.2

90 DY-05 Bx 61
353.3
356.3
90 DY-05 Bx 62
357.4
362.4
90 DY-05 Bx 63
365
90 DY-05 Bx 64
368.5
371.6

90 DY-05 Bx65
90 DY-05 Bx66
90 DY-05 Bx67
90 DY-05 Bx68

90 DY-05 Bx 69
398.8
399.8
401.6
402.6
90 DY-05 Bx 70
404.5
405.1
406.6
408.1
90 DY-05 Bx 71
411.2
413.9
90 DY-05 Bx 72
415.4
418.6

90 DY-05 Bx 73
4220
4356
90 DY-05 Bx 74
4284
4314
90 DY-05 Bx 75
4343
90 DY-05 Bx 76
4387
4411

90 DY-05 Bx 77
444.4
447.6
90 DY-05 Bx 78
4508
4538
90 DY-05 Bx 79
4569
4599
90 DY-05 Bx 80
463.0
465.9

90 DY-05 Bx 80
463.0
465.9
90 DY-05 Bx 81
469.1
90 DY-05 Bx 82
472.1
475.2
90DY-05 B83
478.2
481.3

90 DY-05 BX 84
484.3
487.4
488.3
90 DY-05 BX 85
491.6
90 DY-05 BX 86
494.8
495.8
498.2
90 DY-05 BX 87
500.0
502.6

90 DY-05 BX 84
484.3
487.4
488.3
90 DY-05 BX 85
491.6
90 DY-05 BX 86
494.8
498.2
90 DY-05 BX 87
500.0
503.6

90 DY-05 BX 88
505.7
508.7
90 DY-05 BX 89
511.8
514.8
90 DY-05 Box 90
517.9
520.9
90 DY-05 Box 91
524.0
527.0

90DY-05 Box 92
530.1
533.1
90 DY-05 Bx 93
536.1
539.2
90 DY-05 Bx 94
542.2
544.9
90 DY-05 Bx 95
545.3
548.3

90 DY-05 BX96
550.6
551.4
554.4
90 DY-05 BX97
557.5
558.1
559.0
559.6
560.5
90 DY-05 BX98
563.6
566.6
90 DY-05 BX99
569.7

90 DY-05 BX 100
572.7
574.2
574.7
575.8
90 DY-05 Bx 101
578.8
581.9
583.1
90 DY-05 Bx 102
584.9
587.8
589.2
90 DY-05 Bx 103
591.0
592.5
593.8
594.1

90 DY-05 Bx 104
597.1
600.2
90 DY-05 Bx 105
601.3
603.2
606.2
90 DY-05 Bx 106
609.3
611.7
90 DY-05 Bx 107
614.9

90 DY-05 Bx 108
618.1
621.3
90 DY-05 Bx 109
624.5
627.6
90 DY-05 Bx 110
630.6
633.6
633.7
90 DY-05 Bx 111
636.7
639.8

90 DY-05 Bx 112
641.0
641.6
642.8
90 DY-05 Bx 113
645.9
647.4
648.6
90 DY-05 Bx 114
651.1
654.4
90 DY-05 Bx 115
656.8
657.8
EOH

90-DY-05-DS-B×1
11.6
12.3
14.8
15.6
90-DY-05-DS-B×2
16.2
18.0
21.0
90-DY-05-DS-B×3
22.4
23.0
24.4
25.0
25.3
90-DY-05-DS-B×4
27.1
28.2
29.6
31.2

90-DY-05 DS-B-6
90 DY-05-DS BX 7
90 DY-05-DS BX 8

54.6
57.3
90 DY-05-DS Bx 10
60.1
61.6
64.5
90 DY-05-DS Bx 11
90 DY-05-DS Bx 12
71.2
74.4

90-DY-05-D5-Box13
90-DY-05-D5-Box14
90-DY-05-D5-Box15
88.1
91.1
91.8
90-DY-05-D5-Box16
93.9

100.3
103.3
90-DY-05- DS-Bx18
107.4
90 DY-05-DS Bx19
112.5
115.5
90 DY-05-DS Bx20
117.4
120.4

90 DY-05-DS Bx 21
123.8
137.1
90 DY-05-DS Bx 22
130.3
90 DY-05-DS Bx 23
133.5
90 DY-05-DS Bx24
139.9
143.0

90 DY-05 Bx 25
146.0
149.1
90 DY-05 Bx26
152.1
155.1
90 DY-05 Bx27
158.2
161.3
90 DY-05 Bx28
164.3
167.0

90 DY-05 Bx29
168.3
167.5
170.1
171.1
172.5
90 DY-05 Bx30
175.9
90 DY-05 Bx31
179.1
182.3
90 DY-05 Bx32
185.3
188.5

90 DY-05 BX 33
191.7
194.8
90 DY-05 BX 34
197.8
200.9
90 DY-05 BX 35
203.9
207.0
90 DY-05 BX 36
210.0
213.1

90 DY-05 Bx 37
216.1
90 DY-05 Bx 38
219.2
222?
90 DY-05 Bx 39
225.3
228.3
90 DY-05 Bx 40
231.3

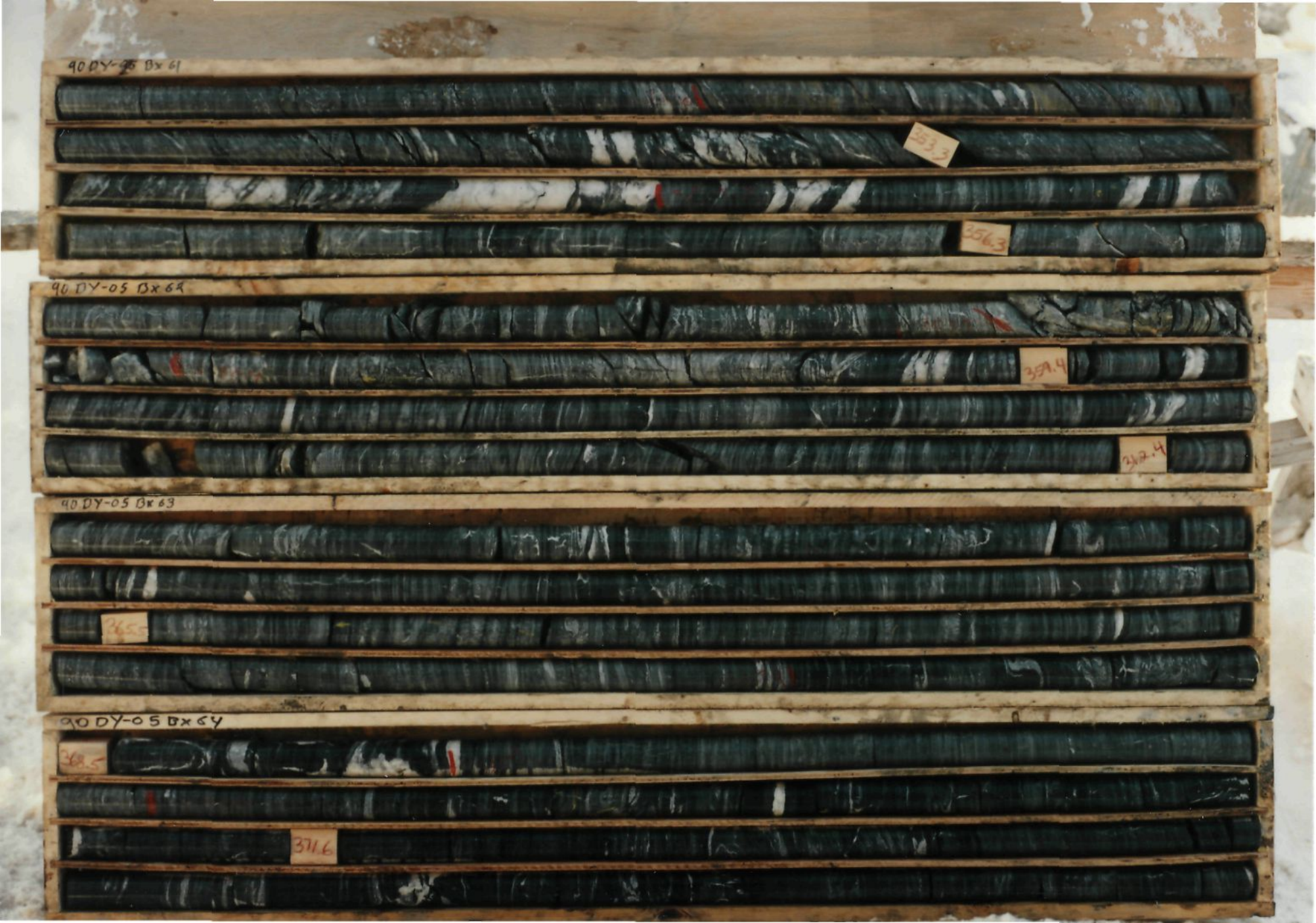
90 DY-05 Bx41
237.4
90 DY-05 Bx42
243.5
246.6
90-DY-05-Bx43
249.6
252.1
90-DY-05-Bx44
255.1
258.8

90-DY-05-B×45
2618
2649
90-DY-05-B×46
2679
90-DY-05-B×47
2710
2740
90-DY-05-B×48
2771
2801

90DY-05 BX 49
283.2
286
90 DY-05 BX 50
289.3
292.3
90 DY-05 BX 51
295.4
298.4
90 DY-05 BX 52
301.5
304.5

90 DY-05 Bx 53
307.5
90-DY-05 Bx 54
310.6
313.6
90-DY-05-Bx 55
316.7
319.7
90-DY-05-Bx 56
322.5
325.8

90-DY-05-Bx57
329.4
331.9
90-DY-05-Bx58
335.0
338.0
90-DY-05-Bx59
341.1
344.1
90 DY-05 Bx60
347.2
350.1


90 DY-05 Bx 61
353.3
356.3
90 DY-05 Bx 62
359.4
362.4
90 DY-05 Bx 63
365
90 DY-05 Bx 64
368.5
371.6

90 DY-05 Bx65
374.6
377.7
90 DY-05 Bx 66
380.7
383.7
90 DY-05 Bx 67
386.8
389.8
90 Dy-05 Bx68
392.8
396.9

90 DY-05 Bx 69
402.0
90 DY-05 Bx 70
405.1
408.1
90 DY-05 Bx 71
411.2
413.9
90 DY-05 Bx 72
415.4
418.6

90 DY-05 Bx 73
4220
4250
90 DY-05 Bx 74
4284
4316
90 DY-05 Bx 75
4348
90 DY-05 Bx 76
4380
4412

90 DY-05 Bx 77
444.4
447.6
90 DY-05 Bx 78
450.8
453.8
90 DY-05 Bx 79
456.9
459.9
90 DY-05 Bx 80
463.0
465.9

90 DY-05 Bx 80
463.0
465.9
90 DY-05 Bx 81
469.1
90 DY-05 Bx 82
472.1
475.2
90DY-05 B87
478.2
481.3

90 DY-05 BX 88
505.7
508.7
90 DY-05 BX 89
511.8
514.8
90 DY-05 BOX 90
517.9
520.9
90 DY-05 BOX 91
524.0
527.0

90DY-05 Box 92
530.1
533.1
90 DY-05 Bx 93
536.1
539.2
90 DY-05 Bx 94
542.2
90 DY-05 Bx 95
545.3
548.3

90 DY-05 BX96
550.6
551.4
554.4
90 DY-05 BX 97
557.5
558.1
559.0
559.6
560.5
90 DY-05 BX98
563.6
566.6
90 DY-05 BX 99
569.7

90 DY-05 Bx 100
572.7
574.7
575.8
90 DY-05 Bx 101
578.8
581.9
90 DY-05 Bx 102
584.9
587.8
90 DY-05 Bx 103
591.0
594.1

90 DY-05 Bx 104
597.1
600.2
90 DY-05 Bx 105
603.2
606.2
90 DY-05 Bx 106
609.3
611.7
90 DY-05 Bx 107
614.9

618.1
621.3
624.5
627.6
630.6
633.7
636.7
639.8

90 DY-05 Bx 112
641.0
641.6
642.8
90 DY-05 Bx 113
645.9
647.4
648.6
90 DY-05 Bx 114
651.1
654.4
90 DY-05 Bx 115
656.8
657.8
EOH

CURRAGH RESOURCES INC.

DIAMOND DRILL CORE LOG

Date: JAN. 14/91

Hole Number: DY90-06

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: DY COLLAR

Claim:

Terr.Plane Co-ords.: 9001ØØ.ØØ N

597693.3Ø E

Grid Co-ords:

Elevation: 963.5Ø

All symmetry determinations looking

Total Depth: 457.2 m.

_____ with _____ dipping

Inclination: VERTICAL

_____ with dip azimuth _____.

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

Reason hole Terminated: HOLE REACHED SUFFICIENT DEPTH.

Logged by: D. HALLIWELL

Date(s) Logged: JAN 14/91 –

Drilling Contractor: CARON DIAMOND DRILLING

Hole Cemented: NO

Steel down Hole: NO

Assay Lab: NAL

Certificate No's: N. A.

CORE Size	From	To
NQ		

Collar Cased and Capped: ____

Started: _____ Completed: _____

SPERRY-SUN DRILLING SERVICES

GYROSCOPIC DIRECTIONAL SURVEY

CUH. ,GH RESOURCES INC. CX-LB-00651
90DY-06 1990 11 21

TOTAL DEPTH	DIRECTION DEG	ANGLE DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0	33.3	1.22	0.00	0.00 N	0.00 E	0.00	0.00
50	42.1	1.13	49.99	0.81 N	0.62 E	0.66	0.40
100	44.2	1.55	99.98	1.66 N	1.43 E	1.31	0.84
150	41.3	1.82	149.95	2.74 N	2.42 E	2.15	0.56
200	38.9	1.50	199.93	3.85 N	3.35 E	3.02	0.65
250	34.7	1.53	249.92	4.91 N	4.15 E	3.89	0.23
300	37.8	1.28	299.90	5.90 N	4.87 E	4.70	0.52
350	32.9	1.20	349.89	6.78 N	5.50 E	5.42	0.27
400	35.5	1.25	399.88	7.66 N	6.10 E	6.15	0.15
450	17.1	1.50	449.86	8.73 N	6.61 E	7.08	1.01
500	18.2	1.50	499.85	9.98 N	7.01 E	8.22	0.06
550	6.3	1.85	549.82	11.40 N	7.30 E	9.54	0.99
600	352.9	1.92	599.80	13.04 N	7.28 E	11.14	0.89
650	348.1	2.23	649.77	14.82 N	6.98 E	12.94	0.72
700	342.2	2.20	699.73	16.69 N	6.49 E	14.87	0.46
7[illegible]	336.4	2.67	749.68	18.67 N	5.73 E	16.97	1.06
[illegible]	340.6	2.97	799.62	20.95 N	4.83 E	19.40	0.73
850	337.2	3.22	849.55	23.47 N	3.86 E	22.06	0.62
900	335.5	3.55	899.46	26.17 N	2.67 E	24.96	0.70
950	337.2	3.87	949.36	29.13 N	1.38 E	28.13	0.67
1000	335.5	4.22	999.23	32.36 N	0.04 W	31.59	0.74
1050	333.7	4.67	1049.08	35.85 N	1.70 W	35.36	0.94
1100	331.9	5.00	1098.90	39.60 N	3.63 W	39.44	0.73
1150	331.7	5.33	1148.70	43.57 N	5.76 W	43.78	0.67
1200	335.8	5.93	1198.46	47.97 N	7.92 W	48.54	1.45
1250	337.7	6.85	1248.15	53.09 N	10.11 W	54.01	1.88
1300	340.9	7.33	1297.77	58.86 N	12.29 W	60.12	1.25
1350	339.7	8.03	1347.32	65.15 N	14.54 W	66.76	1.44

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

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

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH 90DY-06 (2–8)

Date: JAN.14/91 Logged By: D.HALLIWELL

Code (1)	Drillhole (2–8)	Elevation (10–16)	Northing (17–24)	Easting (25–32)	Units (feet/metres) (34–39)	R.F.E. (41 42)	
T	90DY-06	963.50	9001000	597693.30	METRES		

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

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

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN 14/91 Logged By: D. HALLIWELL

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	10	12.2		001	11A	CASING: Glacial Overburden.
L	12.2	13.4		002	100	White-buff. Weakly calcareous. Hard. Cut by ochre(limonite) healed microveinlets. Contains trace carbonaceous material along fractures. Very good core recovery. Good RQD. Sharp lower contact at CA 80° subparallel S_2.
L	13.4	26.0		003	5B10	(5B02) 80:20 Medium to light grey with white-buff bands/laminae parallel S_2, S_1. Moderately to strongly calcareous. CS_2 foliated. Silvery grey and ochre(limonite) fracture surfaces. Moderately hard quartz-carbonate band at 20.9-21.2. Very good core recovery. Good to fair RQD. Sharp upper contact with quartz vein at CA 80° subparallel S_2. Sharp lower contact at CA 60° with quartz vein. Graphitic on some surfaces. More carbonaceous sub-unit is dark grey, strongly calcareous, CS_2 foliated and moderately hard. Silvery grey, dark grey and ochre (limonite) fractures. Gradational contacts with 5B0.
L	26.0	26.6		004	100	(5B02) 80:20 Buff-white with ochre limonite microveinlets. Weakly calcareous. Hard. Sharp upper contact at CA 60°. Sharp lower contact at CA 80°. Weakly carbonaceous phyllite sub-unit is dark grey, strongly calcareous, CS_2 foliated, moderately soft and has silvery grey, dark grey and ochre fracture surfaces.

DDH 90DY-06
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 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
L	266	290		005	5B0	(5B20; 5B1) 60:30:10
						Dark grey with buff-white bands/laminae subparallel S_2. Moderately to weakly calcareous. PS_2 foliated. Silvery black and ochre (limonite) fracture surfaces. Moderately soft to hard (quartz). Very good core recovery. Good to fair RQD. Sharp upper contact with quartz vein at CA 80°. Sharp lower contact at CA 45°-60° (convolute) with chloritic unit.
						Carbonaceous phyllite sub-unit is dark grey, calcareous, PS_2 and CS_2 foliated, moderately soft and has silvery grey and ochre (limonite) fracture surfaces. Gradational contacts with 5B0.
						Siliceous phyllite sub-unit is light grey, weakly calcareous, CS_2 foliated and hard. Gradational contacts with 5B0.
L	290	294		006	5F0	
						Olive greenish grey. Moderately calcareous. PS_2 foliated. Olive green and ochre (limonite) fracture surfaces. Moderately hard. Very good core recovery. Fair RQD. Sharp upper contact at CA 45°-60° (convolute). Sharp lower contact at CA 80° parallel S_2.
L	294	358		007	5B0	(5B0 → 5F0) 80:20
						Light to medium grey with buff-white carbonate-quartz veinlets/bands parallel S_1/S_2. Moderately to strongly calcareous. Strongly CS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately hard. Very good core recovery. Good RQD. Sharp upper contact parallel S_2. Gradational lower contact.
						More chloritic phyllite sub-unit is olive greenish grey, CS_2 foliated. Moderately calcareous. Moderately soft. Olive green and ochre fractures. Gradational contacts with 5B0.

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 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
L	3,58	3,85		Ø98	5FØ	→ 5FØ
						Light olive-greenish grey with buff-white carbonate-quartz bands/laminae subparallel S_2. Strong PS_2 and local CS_2 foliation. Silvery grey, olive green and ochre (limonite) fracture surfaces. Moderately calcareous. Moderate hardness. Very good core recovery. Good RQD. Gradational upper contacts. Sharp lower contact with chill margin of metabasite at CA80° (parallel S_2).
L	3,85	4,05		Ø109	5CØ	→ 5FØ
						Light olive-greenish grey with rare buff-white carbonate-quartz laminae parallel S_2. Weak PS_2 foliation stretching dark grey anhedral (pyroxene, amphibole?) phenocrysts within groundmass in relict porphyritic igneous texture. Upper and lower chill margins exist, suggesting metabasite is a dyke. Moderately to weakly calcareous. Light olive-greenish grey and ochre (limonite) fracture surfaces. Moderately hard. Some core loss at 38,9-39.3. Fair RQD. Fairly sharp upper and lower contacts subparallel S_2.
L	4,05	4,65		Ø110	5FØ	→ 5DØ (5FØ1) 9Ø:1Ø
						Medium olive-greenish grey with white-buff laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Light olive-greenish grey and ochre (limonite) fracture surfaces. Moderately hard to hard (quartz). Very good core recovery. Good RQD. Fairly sharp upper contact subparallel S_2 with metabasite dyke. Gradational lower contact. Lighter olive-grey slightly more siliceous sub-unit is calcareous, slightly harder and occurs locally, with gradational contacts with 5FØ.

DDH 90DY-06

CURRAGH RESOURCES INC.

Lithologic Log

Date: JAN. 14/91 Logged By: D. HALLIWELL

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	46.5	47.0		01 1	5B0	Dark grey with wisps of buff-white carbonate-quartz laminae (following S_1?). Moderately to strongly calcareous. Weak PS_2 and weaker CS_2 foliation. Silvery grey to dark grey fracture surfaces. Moderately soft. Very good core recovery, RQD. Gradational upper and lower contacts.
L	47.0	54.3		01 2	5C0	Medium olive-greenish grey with rare buff-white carbonate-quartz bands/laminae subparallel S_2/S_1. Moderately calcareous. Weak PS_2 and weaker CS_2 foliation. Moderately hard. Medium olive-greenish grey and ochre (limonite) fracture surfaces. Very good core recovery, RQD. Gradational upper contact parallel S_2. Sharp lower contact parallel S_2. (limonite? fracture zone at 49.7-49.9.
L	54.3	57.0		01 3	5C04	FAULT ZONE Chlorite-clay fault gouge (sandy) with friable zone. Poor core recovery with core loss throughout. Poor RQD. Sharp upper and lower contacts
L	57.0	57.3		01 4	5C0	Medium olive-greenish grey. Moderately calcareous. Weak PS_2 foliation. Medium olive-greenish grey and ochre (limonite) fracture surfaces. Moderately hard. Very good core recovery. Good to fair RQD. Sharp upper and lower contact parallel S_2.
L	57.3	59.2		01 5	5C01	→5F0 Light olive-grey with abundant quartz-carbonate veinlets within breccia and rarer bands parallel S_2. Moderately to weakly calcareous. Weak CS_2 foliation.

DDH 90.DY-06 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 15/91 Logged By: D. HALLIWELL

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Moderately hard to hard (quartz weak silicification). Olive-grey and ochre (limonite) fracture surfaces. Clast-supported brecciated texture. Some relict porphyritic igneous texture. Good core recovery. Very good RQD. Sharp upper contact. Gradational lower contact. Chaotic unit of clast-supported (mega.) breccia.
L	59.2	71.0		01.6	5FØ	→ 5DØ (5FØ 1,5ØBØ : 15 : 5
						Medium olive greenish-grey with white-buff quartz-carbonate bands/laminae parallel S_2/S_1. Moderately calcareous. CS_2 foliated. Medium olive greenish-grey and ochre (limonite) fracture surfaces. Moderately hard to hard (quartz). Brecciated and limonitized near lower contact and (locally) elsewhere. Very good core recovery. Good RQD. Gradational upper contact. Sharp lower contact with metabasite at CA 75°. Lighter olive greenish-grey, harder, less calcareous subunit. 5CØ at 68.7-69.6.
L	71.0	85.1		01.7	5CØ	≠$ (5CØ4) 8Ø:2Ø
						Medium to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately to weakly calcareous. Weakly S_2 foliated with rare CS_2 foliation. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft to moderately hard. Trace disseminated pyrite. Limonitized fractures at 76.7-77.2, 81.5. Very good core recovery (some core loss at 78.9-82.0). Weak brecciation at 84.3. Good RQD generally. Sharp upper contact at CA 75°. Fairly sharp lower contact with oxidized unit subparallel S_2. Relict porphyritic igneous texture. Oxidized and dolomitized. Local olive greenish grey more chloritic subunit is softer. Gradational contacts. Chlorite-clay gouge at 76.0
L	85.1	88.2		01.8	5CA	

DDH 90DY-06

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 15/91 Logged By: D. HALLIWELL

Code	From	To	Recov.	No.	Unit	Description
						Yellowish-olive greenish grey. Moderately to strongly calcareous. Weak PS_2 foliation. Soft to moderately soft. Contains buff-white carbonate-quartz bands parallel S_2. Ochre to yellowish-white fracture surfaces of limonite-clay minerals. Fair to poor core recovery (poor in friable zone at 85.2-86.4). Fair to poor RQD (poor in above-mentioned friable zone). Fairly sharp contacts parallel S_2. Healed breccia in lower section. Oxidized-limonitic
L	88.2	10.75		019	5C0	(5C08;5C06) 50:20:30
						Medium to dark grey, darkening downhole, with buff-white bands subparallel S_2. Moderately to weakly calcareous. Weak PS_2 foliation and rare CS_2 foliation. Silvery to greenish grey, ochre (limonite) and apple green (epidote?) fracture surfaces. Moderately soft to hard (quartz). Locally brecciated. Trace disseminated pyrite. Weakly magnetic and more melanocratic near lower contact. Very good core recovery, RQD. Fairly sharp upper and lower contacts parallel S_2. Relict porphyrytic igneous texture.
						More chloritic sub-units are olive greenish-grey, more strongly PS_2 foliated, calcareous and softer. Gradational contacts with 5C0.
						Sporadically calcareous at 95.5
L	107.5	111.7		020	5C6	PYROXENITE (MAGNETIC)
						Black and white c.g. anhedral to subhedral phenocrysts set within dark grey m.g. groundmass. Weakly calcareous. Moderately to strongly magnetic (magnetite bands). Silvery grey and ochre (limonite) fracture surfaces. Moderately hard. Trace disseminated pyrite. Wide chill margins at upper and lower contacts. Very good core recovery, RQD. Fairly sharp upper and lower contacts parallel S_2.

DDH 90.D.Y.-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN.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	1,111 7	1,114 0		021	5C0	(5C08) 60:40 Medium to dark grey groundmass and dark grey stretched subhedral mafic phenocrysts and rarer white anhedral (leucoxene?) phenocrysts. Moderately calcareous. Weak to moderate PS_2 foliation, followed by white-buff carbonate-quartz bands/laminae parallel S_2. Silvery grey and ochre (yellow) fracture surfaces. Moderately hard. Very good core recovery. Good RQD. Fairly sharp upper contact subparallel S_2. Sharp lower contact at CA 65°. More chloritic sub-unit is olive-greenish grey, calcareous, S_2 foliated, softer and has olive-grey and ochre (limonite) fracture surfaces. Gradational contacts with 5C0.
L	1,114 0	1,289		022	5F0	(5F01) 90:10 Medium olive greenish grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderate to strongly calcareous. CS_2 and PS_2 foliated. Silvery grey, olive green and rare ochre (limonite) fracture surfaces. Moderately hard to hard (quartz). Very good core recovery. Good RQD. Sharp upper contact at CA 65°. Gradational lower contact subparallel S_2, 5F0 → 5B02 near lower contact. Trace disseminated pyrite. Lighter olive green more siliceous sub-units are calcareous, CS_2 and PS_2 foliated and slightly harder. Gradational contacts with 5F0.
L	1,289	1,494		023	5B0	(5B02; 5F0 → 5D0) 60:35:5 Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Strongly calcareous. CS_2 foliated. Silvery grey and rare ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 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
						core recovery. Good RQD. Gradational upper contact parallel S_2. Broken fragments of core at 146.0-146.4. Sharp lower contact at CA 40°-40°. Dark grey more carbonaceous sub-units are strongly calcareous, CS_2 foliated, and softer. Dark grey and rare ochre (limonite) fracture surfaces. Gradational contacts with 5BØ.
						Minor chloritic sub-unit at 142.2-142.4 is light olive greenish grey, calcareous, CS_2 foliated, moderately soft, and has fairly sharp contacts with 5BØ parallel S_2.
L	149.6	150.4		Ø24	100	(5BØ2; 5FØ) 50:40:10
						Buff-white. Weakly calcareous. Fresh. Hard. Very good core recovery. Good RQD. Sharp undulose upper contact at CA 40°-60°. Weak S_2 foliation. Sharp undulose lower contact subparallel S_2 at CA 70°-80°.
						Weakly carbonaceous phyllite sub-unit is medium to dark grey, calcareous, S_2 foliated and moderately soft. Silvery grey to dark grey fracture surfaces. Sharp contacts with 100.
						Olive greenish grey chloritic phyllite sub-unit is calcareous, S_2 foliated and moderately soft. Gradational contacts with 5BØ2 and sharp contacts with 100.
L	150.4	154.8		Ø25	5BØ8	(5BØ2) 90:10
						Light to medium grey with buff-white carbonate-quartz (dolomite) bands/laminae following S_2/S_1. Moderately to strongly calcareous. Silvery grey fracture surfaces. Moderately soft to hard (quartz). Trace disseminated pyrite as euhedral cubes. Very good core recovery. Good RQD. Sharp undulose upper contact at CA 70°-80°.

DDH 90.DY-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 17/91 Logged By: D. HALLIWELL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sharp undulose lower contact with 100 at CA 50°-70°.
						More carbonaceous phyllite sub-unit is medium to dark grey with carbonate-quartz bands/laminae subparallel S_2/S_1. More calcareous and soft. Black fracture surfaces with trace graphite (at 151.3-151.4). Gradational contacts with 5B0. Sharp contacts with quartz-carbonate bands.
L	1548	1600		026	5B0	(100) 75:25
						Light to medium grey, with buff-white carbonate-quartz bands/laminae subparallel S_2/S_1. Moderately to strongly calcareous. Silvery grey fracture surfaces. CS_2 foliated. Moderately soft. Good core recovery, RQD. Sharp undulose upper and lower contacts subparallel S_2. Trace disseminated pyrite.
						White-buff quartz-carbonate veins/veinlets are weakly calcareous, hard and have sharp contacts subparallel S_2 with 5B0.
L	1600	1665		027	5B0	(5B02) 85:15
						Light to medium grey with buff-white carbonate-quartz bands/laminae subparallel S_2/S_1. Moderately to strongly calcareous. CS_2 and PS_2 foliated, Moderately soft. Silvery grey fracture surfaces. Very good core recovery, Good RQD. Trace disseminated pyrite. Gradational upper and lower contacts
						Medium to dark grey weakly carbonaceous sub-unit is strongly calcareous, CS_2 and PS_2 foliated, and softer. Silvery grey to dark grey fracture surfaces. Trace disseminated pyrite. Gradational contacts with 5B0.

DDH 90DV-06

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 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	166.5	167.0		028	1QQ	(5BØ2; 5FØ) 70:25:5
						White-buff. Weakly calcareous. Weak PS_2 foliated. Hard. Contains wisps of weakly chloritic phyllite (country rock?). Good core recovery RQD. Sharp undulose upper contact. Graphitic fault gouge at sharp lower contact at CA 20°-40° (curvilinear).
						Dark grey graphitic phyllite sub-unit is softer, more calcareous and has sharp contacts with 1ØQ.
L	167.0	184.7		029	5BØ	(5FØ) 98:2
						Light to medium grey. Very calcareous (quickly etched by 10% HCl). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good to very good RQD. Sharp upper and lower contacts subparallel S_2.
						Local light olive greenish grey S_2 foliated chloritic sub-unit at 182.2-182.3. Sharp contacts with 5BØ.
L	184.7	186.7		030	5BØ2	(5FØ) 95:5 and buff-white carbonate-quartz bands/laminae following S_2/S_1.
						Medium to dark grey. Very calcareous (quickly etched by 10% HCl). CS_2 foliated. Silvery and dark grey fracture surfaces. Graphitic fracture surface at 185.5-185.6. Trace disseminated pyrite. Good core recovery, RQD. Sharp upper contact at CA 7Ø° marked by 5FØ band.
						Local olive greenish grey bands subparallel S_2 near upper contact (184.7-185.1. Sharp contacts with 5BØ2 subparallel S_2.

DDH 90DY-06 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JAN. 17/91 Logged By: D. HALLIWELL

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	186.7	207.6		031	5BØ	(5B6; 5FØ; 1ØQ$) 6Ø:3Ø:5:5 Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Strongly calcareous (quickly etched by 10% HCl). CS_2 and locally PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts. Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Weakly to non-calcareous unit, except for carbonate-bearing bands and laminae. Silvery grey fracture surfaces. Moderately soft. Gradational contacts with 5BØ. Sharp contacts with 5FØ and 1ØQ. Medium olive-greenish grey chloritic sub-unit occurs at 191.1-191.3, 193.Ø-193.4, 206.6-206.7. Moderately calcareous. PS_2 foliated. Softer. Sharp contacts with 5BØ subparallel S_2. White-buff quartz-carbonate (±dolomite) bands or veins subparallel S_2, notably at 192.8-193.Ø, 196.6. Weakly calcareous. Hard. Sharp contacts with all other units.
L	207.6	208.2		032	5B62	(5BØ2) 8Ø:2Ø Medium to dark grey. Moderately to weakly calcareous. CS_2 and PS_2 foliated. Silvery grey and black (graphite and other carbonaceous) fracture surfaces. Graphitic fault(?) gouge at 207.7-207.8. Fair core recovery. Poor RQD. Gradational contacts with 5BØ parallel S_2. More calcareous sub-unit occurs above fault gouge. Gradational upper contact. Sharp lower (fault) contact.

DDH 90-1-06 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 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	2,208.2	2,226.7		033	5BØ	(1ØØ) 99:1
						Light to medium grey. Strongly calcareous (quickly etched by 10% HCl acid). Buff-white carbonate-quartz bands/laminae following S_2/S_1. Strongly CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubic crystals (≤ 1 mm) and smaller subhedral crystals following S_2 bands/laminae. Very good core recovery. Good to very good RQD. Gradational upper and lower contacts.
						Rare quartz-carbonate vein/band sub-unit occurring at 224.2-224.9 is white-buff, calcareous and hard. Sharp contacts with 5BØ subparallel S_2 at CA 3Ø°-4Ø°.
L	2,226.7	2,228.5		034	5BØ	(1ØØ) 7Ø:3Ø
						Light to medium grey with buff-white carbonate-quartz bands or veins subparallel S_2. Strongly calcareous (quickly etched by 10% HCl acid). PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper and lower contacts subparallel S_2.
						White-buff quartz-carbonate bands or veins cutting 5BØ along undulose sharp contacts at CA 45°-9Ø°. Sub-unit occurs at 226.7-227.Ø, 227.9-228.3.
L	2,228.5	2,229.8		035	5BØ	
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 5mm.). Very good core recovery. Good RQD. Gradational upper and lower contacts.

DDH 90-1-06

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 18/91 Logged By: D. Hallewell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	229.8	235.9		036	5B6	(10Q; 5B6→5F6) 85:14:1
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Weakly to non-calcareous. CS_2 and PS_2 foliated. Silvery grey to dark grey (weakly graphitic?) fracture surfaces. Moderately soft to soft. Trace disseminated pyrite as euhedral cubes. Good to fair core recovery. Fair to poor RQD. Friable broken core in short sections (231.9-232.2, 233.3-233.6). Gradational upper ~~and lower~~ contacts parallel S_2. Clayey fault gouge at CA 70° at 235.9. (lower contact)
						White-buff quartz-carbonate bands and veins/veinlets. Weakly calcareous. Hard. Sharp contacts with 5B6.
						Rare olive greenish grey sub-unit appears very locally. Gradational contacts with other units and sub-units
L	235.9	236.6		037	5BØ	(10Q; 5FØ) 90:9:1
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately to strongly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Good core recovery. RQD. Sharp upper (fault) contact. Gradational lower contacts.
						White-buff hard weakly calcareous sub-unit with olive greenish wisps of chlorite. Sharp contacts with 5BØ.
L	236.6	239.0		038	5B6	
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Non-calcareous outside bands/laminae. CS_2 foliated. Moderately soft. Silvery grey on fracture surfaces. Very good core recovery. Good RQD. Gradational upper contact. Sharp lower contact with 10Q vein or band.

DDH 90-Y-06 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 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	239.0	241.0		03.9	5B0	(100S; 5B2Ø; 3F Ø) 7Ø:15:1Ø:5 Light to medium grey with buff-white bands/laminae following S_2/S_1. Moderately calcareous. Silvery grey fracture surfaces. Moderately soft. Very good CR, Good RQD. Gradational upper contact. White-buff quartz-carbonate ±dolomite veins have yellow-orange stain. Weakly calcareous. Hard. Includes wisps of olive greenish grey chlorite. Sharp contacts. Dark grey sub-unit is more carbonaceous. Similar to 5BØ.
L	241.0	246.1		04Ø	5BØ2	(5BØ; 100S) 6Ø:3Ø:1Ø Medium to dark grey with buff-white carbonate-quartz following S_2/S_1. Moderately calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Good core recovery. Poor RQD. Sharp upper contacts subparallel S_2 marked by quartz-carbonate bands or veins. Trace disseminated pyrite. Less carbonaceous unit is similar to 5BØ2 except for colour (darker grey). Quartz-carbonate ±dolomite bands or veins are white-buff, harder, weakly calcareous. Sharp contacts with 5BØ2, 5BØ.
L	246.1	254.0		041	5B6	(1ØQ) 8Ø:2Ø Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Non-calcareous away from carbonate bands/laminae. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper contact subparallel S_2. Sharp lower contact with 1ØQ unit (undulose, averaging @ 8Ø°). White-buff quartz-carbonate ±dolomite bands or veins subparallel S_2. Weakly calcareous. Hard. Contains chlorite wisps. Sharp contacts (parallel S_2) with 5B6 unit.

DDH 90-1-06

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	2548	2554		042	100	White (quartz) with rare buff (carbonate). Weakly calcareous. Hard. Sharp undulose upper contact averaging CA80°. Sharp lower contact at CA50°.
L	2554	2564		043	5B6	Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Non-calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrite. Good core recovery. Fair RQD. Sharp upper contact. Gradational lower contact.
L	2564	2573		044	5B7	FAULTED Medium to dark grey (black chlorite?). Moderately calcareous. Silvery grey fracture surfaces. Very soft. Fair core recovery. Poor RQD. Broken friable core. Slightly carbonaceous fault gouges at 256.9 and at lower contact (257.3). Sharp upper and lower contacts.
L	2573	2634		045	5BØ	(100%; 5BØ→5FØ) 80:15:5 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_2/S_1. Moderately to strongly calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Good core recovery. Fair RQD. Broken friable core at 263.0–263.4 with silvery-grey fault gouge at CA45° at 263.0. Fault gouge occurred at sharp upper contact at CA45°. Sharp lower contact parallel S_2. Quartz-dolomite ± calcite bands or veins are white-buff, very weakly calcareous, hard and have sharp contacts with 5BØ. Contains wisps of olive green chlorite. Locally olive greenish grey sub-unit is chloritic, softer, calcareous and has sharp contacts with 5BØ.

DDH 90-1-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	2634	2683		046	5B0	(5F0) 80:20
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately to strongly calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Good core recovery, RQD. Gradational upper and lower contacts.
						Olive green-grey chloritic sub-unit is calcareous, softer and forms sharp contacts with 5B0.
L	2683	2730		047	5B6	(100$; 5B7) 70:25:5
						Light to medium grey with buff/white carbonate-quartz bands/laminae following S_2/S_1. Non-calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Fair to good RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-carbonate (dolomite ± calcite) sub-unit is weakly calcareous, hard and has sharp contacts with 5B6 parallel to and cross-cutting S_2.
						Black chloritic bands are non-calcareous, soft and are parallel S_2, having gradational contacts with 5B6 and sharp contacts with 100$.
L	2730	2746		048	5B0	(5B02) 90:10
						Light to medium grey with buff-white carbonate-quartz bands following S_2. Moderately to strongly calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper contact, Sharp lower contact at CA 75°.
						Dark grey weakly carbonaceous sub-unit is calcareous, moderately soft, PS_2 foliated and has gradational contacts with 5B0.

DDH 9ØDY-Ø6
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 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
L	274 6	275 Ø		Ø49	~~5TØ~~ 5C8	~~[illegible]~~
						Olive-greenish grey with buff-white carbonate-quartz bands following S_2. Moderately calcareous. PS_2 foliated. Soft to moderately soft. Olive greenish grey fracture surfaces. Weak relict porphyrytic igneous texture with white euhedral m.g. (leucoxene?) phenocrysts set in a f.g. aphanitic groundmass. Very good core recovery. Good RQD. Sharp upper contact at CA 75°. Sharp lower contact at CA 8Ø°.
L	275 Ø	283 5		Ø5Ø	5BØ9	(1ØQ$; 5BØ2) 7Ø:27:3 PYRITIC CALCAREOUS PHYLLITE.
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. PS_2 and (locally) CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Abundant (Ø.5%) disseminated pyrite as euhedral cubes (≤5mm). Very good core recovery. Good RQD. Sharp upper contact at CA8Ø°. Gradational lower contact parallel S_2.
						White-buff quartz-carbonate (dolomite ± calcite) bands or veins are weakly calcareous, hard and have sharp contacts with 5BØ. Contains wisps of olive greenish grey chlorite.
						Dark to medium grey more carbonaceous sub-unit is calcareous, softer and has gradational contacts with 5BØ9 (sharp contacts with 1ØQ$).
L	283 5	287 9		Ø51	5BØ	(1ØQ~~$~~) 95:5 NON-PYRITIC CALCAREOUS PHYLLITE.
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 foliated. Moderately soft. Non-pyritic. Silvery grey fracture surfaces. Very good core recovery. Good RQD. Gradational contacts.
						White-buff, weakly calcareous, hard bands or veins subparallel S_2 with sharp contacts

DDH 90DY-06 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 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
L	2871	2925		052	5B09	(100%) 95:5 PYRITIC CALCAREOUS PHYLLITE Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately to strongly calcareous. CS_2 foliated. Moderately soft. Abundant (0.3%) disseminated pyrite as euhedral cubes. Silvery grey fracture surfaces. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. White-buff quartz-carbonate bands or veins subparallel S_2. Contains wisps of olive greenish grey chlorite. Sharp contacts with 5B09.
L	2925	2947		053	5B0	(100%) 90:10 NON-PYRITIC CALCAREOUS PHYLLITE Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Non-pyritic. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. White-buff quartz-carbonate (calcite ± dolomite) bands or concordant veins subparallel S_2 are weakly calcareous, hard, and contain wisps of black and olive greenish grey chlorite. Sharp contacts with 5B0.
L	2947	2972		054	5B09	(5B02) 90:10 PYRITIC CALCAREOUS PHYLLITE Light to medium grey with buff-white carbonate-quartz bands following S_2. Strongly calcareous (quickly etched by 10% HCl acid). PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. Medium to dark grey with buff-white carbonate-quartz bands following S_2. Calcareous, PS_2 foliated, softer, more carbonaceous sub-unit has gradational contacts with 5B0.

DDH 90DY-06

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 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	29.72	29.94		Ø55	5BØ9	PYRITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Very calcareous (quickly etched by 10% HCl acid). CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Abundant (Ø.5%) trace disseminated pyrite as euhedral cubes (≤5mm). Very good core recovery, RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 8Ø° with quartz band or vein.
L	29.94	29.99		Ø56	1ØQ*	
						White-buff quartz-calcite band or concordant vein parallel S_2. Very calcareous. Hard. Sharp upper contact at CA 8Ø°. Sharp lower contact at CA 6Ø°.
L	29.99	30.43		Ø57	5BØ9	PYRITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes and stressed cubes (rectangular solids). Very good core recovery. Good RQD. Sharp upper contact at CA 6Ø°. Gradational lower contact parallel S_2.
L	30.43	30.81		Ø58	5BØ	NON-PYRITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1 and veinlets parallel CA. Moderately calcareous. PS_2 and lesser CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrite. Very good core recovery, RQD. Gradational upper contact. Sharp lower contact at CA 8Ø°.

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 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
L	3085	3085		059	1QX	
						White-buff. Strongly calcareous. Hard. Contains wisps of olive greenish grey chlorite. Sharp upper contact at CA 80°. Sharp broken lower contact at CA 60-80°.
L	3085	3106		060	5B09	(5B02) 70:30 PYRITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white carbonate-quartz bands/laminae at S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes. Very good core recovery. RQD. Sharp upper contact at CA 60°-90°. Gradational lower contact.
						Medium to dark grey more carbonaceous sub-unit is calcareous, CS_2 and PS_2 foliated, softer and has gradational contacts with 5B0.
L	3106	3202		061	5B0	(5B02;1QX) 90:5:5 WEAKLY PYRITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white carbonate-quartz bands/laminae at S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrite near lower contact. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						Medium to dark grey more carbonaceous bands are calcareous, softer and have gradational contacts with 5B0.
L	3202	3270		062	5B0	(5B02;5B20) 90:5:5 NON-PYRITIC CALCAREOUS PHYLLITE
						Light to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2

DDH 90DY-06

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 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
						foliated. Silvery grey fracture surfaces. Moderately hard. Non-pyritic. Good core recovery (some core loss at 320.2-322.8). Fair to poor RQD. Blocky to friable broken core and "poker chips" at 320.2-321.3, 324.6-325.1). Gradational upper and lower contacts parallel S_2.
						Medium to dark grey more carbonaceous sub-units are calcareous, non-pyritic, softer and have gradational contacts with 5B0.
L	3,27 0	3,37 0		063	5B09	(5B02) 90:10 PYRITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white carbonate-quartz laminae/bands at S_2/S_1. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						Medium to dark grey more carbonaceous bands are darker, softer, pyritic, calcareous and have gradational contacts with 5B09.
L	3,37 0	3,41 9		064	5B0	(5B02) 95:5 WEAKLY PYRITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white bands/laminae following S_2 IS$_1$. Moderately calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrite. Very good core recovery, RQD. Gradational upper contact. Sharp lower contact at CA 75°.
						Medium to dark grey more carbonaceous bands are darker, softer, calcareous and have gradational contacts with 5B0.

DDH 90DY-06

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 24/91 Logged By: D. Halkwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	341 9	343 3		065	5BØ	(10Q*) 70:30 Light to medium grey with buff-white bands/laminae following S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft. Non-pyritic. Silvery grey fracture surfaces. Very good core recovery. Good RQD. Sharp upper contact at quartz-carbonate band or concordant vein parallel S_2. Sharp lower fault contact at CA 75°. White-buff quartz-calcite bands or concordant veins parallel S_2. Strongly calcareous. Hard. Contains wisps of olive green-grey chlorite. Sharp contacts with 5BØ.
L	3433	3468		066	5BØ2	(10Q*) 90:10 FAULTED Medium to dark grey with buff-white carbonate-quartz bands/laminae following S_2 / S_1. Moderately calcareous (Weakly carbonaceous). PS_2 foliated. Soft to moderately soft. Non-pyritic. Poor to fair core recovery (core loss at 344.1-348.5). Poor RQD. Blocky to friable broken core and minor clayey gouge. Sharp upper contact at CA 75°. Sharp lower contact at CA 80°. White-buff quartz-calcite resistant sub-units are calcareous, hard and have sharp contacts with 5BØ2.
L	3468	3475		067	1ØQ*@	White-buff-yellow quartz-calcite ± ankerite (?) band or concordant vein is strongly to weakly calcareous, hard and has sharp upper and lower contacts (CA 80°; CA 70°; respectively). Clayey fault gouge at lower contact.

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	28 28	30 34	35
L	3475	3657		068	5B09	(5B02; 10Q*) 80:10:10 PYRITIC-PYRRHOTITIC CALCAREOUS PHYLLITE
						Light to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 and (rare) PS_2 foliation. Silvery grey fracture surfaces. Moderately soft. Abundant (0.5%) trace disseminated pyrite as euhedral cubes. Very good core recovery, Good RQD. Sharp upper contact at CA 70°. Trace disseminated pyrrhotite (after pyrite?) from 352.3 down.
						Darker grey more carbonaceous sub-unit is calcareous, softer and has gradational contacts with 5B09.
						White-buff quartz-calcite bands or concordant veins parallel S_2 are calcareous, hard and have sharp contacts with 5B09, 5B02. Contains wisps of olive green chlorite. Largest sub-unit occurs at 362.6-363.0.
L	3657	3660		069	5F0	
						Medium olive greenish grey with carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Olive green-grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 85°. Sharp lower contact at CA 50°.
L	3660	3674		070	5B02	
						Medium to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Sharp upper and lower contacts both at CA 50°.

DDH 90DY-06

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 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
L	367.4	367.7		071	5C08	
						Medium olive greenish grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. Olive green-grey fracture surfaces. CS_2 and PS_2 foliated. Moderately soft. Very weak relict porphyritic igneous texture. No sulphides. Very good core recovery. RQD. Sharp upper contact at CA 55°. Sharp lower contact at CA 50°.
L	367.7	378.5		072	5B02	(5B0: 5B20: 10Q+) 60:10:10:10
						Medium to dark grey with buff-white carbonate-quartz buff-white bands/laminae following S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite near lower contact. Good core recovery. Fair RQD. Sharp upper and lower contacts at CA 50°. Clayey fault gouge at CA 80° at 375.7-375.9.
						Light to medium grey subunit is calcareous, CS_2 and PS_2 foliated, moderately soft and has gradational contacts with 5B02.
						Dark grey sub-unit is calcareous, CS_2 and PS_2 foliated, soft to moderately soft and has gradational contacts with 5B02.
						White-buff quartz-calcite bands or concordant veins are calcareous, hard, olive green chlorite-bearing and has sharp contacts with other units subparallel S_2.
L	378.5	378.9		073	10Q+	
						White-buff. Moderately calcareous. Hard. Large pyrite clot (≤4cm) with rim replacement by pyrrhotite. "Possibly clast-supported breccia with matrix of olive green Mg-chlorite and lesser black Fe-chlorite. Sharp upper contact at CA 50°. Sharp lower contact at CA 80°.

DDH 9ØDY-Ø6

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
L	3789	39Ø8		Ø74	5BØ2	(1ØQ#; 5B2Ø) 8Ø:15:5
						Dark to medium grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey to dark grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite (after pyrite?). Very good core recovery. Good RQD. Sharp upper contact at CA60°. Sharp lower fault contact with clayey gouge at CA7Ø°.
						White-buff quartz-calcite bands or concordant veins parallel S_2 are moderately calcareous, hard and contain bands of black Fe-chlorite, locally containing pyrite and pyrrhotite. Sharp contacts with 5BØ2.
						Dark grey sub-unit is calcareous, moderately soft to soft, sulphide-bearing and have gradational contacts with 5BØ2 (sharp contacts with 1ØQ#). Silvery to dark grey fractures.
L	39Ø8	3944		Ø75	5BØ	&2Ø
						Light to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						Black to dark grey sub-subunit is calcareous, CS_2 foliated, softer and has gradational contacts with 5BØ.
L	3944	3981		Ø76	5CØ	→ 5FØ (5FØ → 5CØ) 65:35
						Light olive-greenish grey with buff-white bands/laminae following S_2. Moderately calcareous. PS_2 foliated. Moderately hard. Banded/laminated, but has relict porphyrytic igneous texture with white (leucoxene?) phenocrysts, especially at middle (core) of unit. Very good core recovery. Good RQD. Fairly sharp upper and lower contacts at CA8Ø°, CA5Ø°, respectively.

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 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	398.1	407.6		077	5B02	(100#) 95:5
						Medium to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated euhedral cubic pyrite and pyrrhotite (after pyrite) up to 5mm. Very good core recovery. Good RQD. Sharp upper contact parallel S_2. Gradational lower contact.
						White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard, sulphide-bearing, follow S_2 and have sharp contacts with 5B02.
L	407.6	408.4		078	5C8	→ 5C8
						Light olive greenish grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. PS_2 and CS_2 foliated. Olive green-grey fracture surfaces. Moderately soft. Relict porphyritic igneous texture in centre (core) of unit. No sulphides. Good core recovery, RQD. Sharp upper and lower contacts parallel S_2. Black Fe-chlorite band at CA 80° marks upper contact.
L	408.4	415.8		079	5B02	(100#; 5F0) 80:18:2
						Medium to dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite. Very good core recovery. Good RQD. Fairly sharp upper contact parallel S_2. Sharp lower fault contact at CA 80° marked by quartz-calcite band or concordant vein.
						White-buff quartz-calcite ± dolomite bands or concordant veins are moderately calcareous, hard, contain olive green-grey Mg-chlorite. Sharp contacts with 5B02.
						Olive greenish grey sub-unit is calcareous, softer and have gradational contacts with 5B02.

DDH 90DY-06

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jan. 21/91 Logged By: D. Hallivell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	41.58	41.94		080	5B26	(5B20) 85:15 FAULTED Dark grey with buff-white carbonate-quartz bands/laminae following S_2/S_1. Moderately calcareous. PS_2 and CS_2 foliated. Soft to moderately soft. Trace disseminated pyrite. Fair core recovery. Poor RQD. Friable to blocky broken core. Clayey fault gouge at sharp upper contact (at CA 80°). Sharp lower contact at CA 50°. Medium to dark grey sub-unit is calcareous, PS_2 and CS_2 foliated, Moderately soft and gradational contacts with 5B2.
L	41.94	43.28		081	5B0	(5B02) 90:10 Light to medium grey with buff-white carbonate-quartz following S_2/S_1. Moderately calcareous. Strongly CS_2 and weakly PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite (after pyrite) euhedral cubes. Good core recovery. Fair RQD. Poker chip appearance (S_2 controlled). Gradational upper and lower contacts parallel S_2. Medium to dark grey sub-unit is calcareous, CS_2 and PS_2 foliated, softer and has gradational contacts with 5B0.
L	43.28	45.72		082	5B02	(100#; 5F0) 85:14:1 Medium to dark grey with buff-white carbonate-quartz following S_2/S_1. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite euhedral cubes. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. White-buff quartz-calcite bands/veins are calcareous, hard and have sharp contacts. Olive green-grey sub-unit is calcareous, softer, sulphide-bearing and has gradational contacts. EOH = 457.2m.

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: JAN. 16/91 Logged By: D. HALLIWELL

Code	From	To	Feature	Sym	L_3 Dip 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		149	CS2Z		116	05	120	86		
S		219	CS2Z		172	35	170	84		
S		331	CS2S		102	22	000	83		
S		366	PS2					66		
S		410	PS2					57		
S		513	PS2					73		
S		581	CS2Z		172	27	169	45		weak S_2, dominant S_1
S		594	CS2Z			35	171	60		
S		643	CS2S		120	32	325	70		
S		663	CS2S		121	26	127	71		
S		701	CS2S		010	32	335	86		
S		786	PS2					57		
S		840	PS2					68		
S		886	PS2					80		
S		926	PS2					69		
S		999	PS2					72		
S		1070	PS2					90		
S		1113	PS2					89		
S		1197	CS2Z		018	53	217	86		
S		1251	CS2Z		173	42	000	61		
S		1306	CS2Z		160	24	326	74		
S		1338	PS2					80		
S		1370	CS2S		027	48	041	69		
S		1479	PS2					63		
S		1507	CS2S		160	20	030	62		
S		1592	CS2S		019	05	055	57		
S		1605	CS2S		148	22	170	56		
S		1702	PS2					88		
S		1763	PS2					89		
S		1811	CS2Z		016	25	163	83		
S		1837	CS2S		027	86	120	77		
S		1893	CS2S		015	30	000	75		
S		1961	CS2S		012	35	320	65		
S		2005	CS2Z		025	26	162	71		
S		2107	CS2Z		025	22	298	71		
S		2166	CS2Z		027	33	202	77		

DDH 90DY-06 (2 / 8) CURRAGH RESOURCES INC.

Structural Log

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

Code	From	To	Feature	Sym	L3 Dip Direct.	S1 Dip Direct.	S2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		217 6	CS2Z		052	62 235	66	
S		223 3	CS2S		066	54 055	79	
S		229 3	CS2Z		178	27 149	66	
S		237 4	CS2S		166	70 017	73	
S		240 1	PS2				86	
S		242 8	PS2				67	
S		250 0	PS2				73	
S		251 7	PS2				70	
S		261 1	PS2				88	
S		266 7	PS2				75	
S		272 0	CS2Z		016	23 108	53	
S		276 1	CS2S		062	64 025	73	
S		283 7	CS2S		040	33 215	65	
S		284 0	CS2S		010	43 350	57	
S		290 3	CS2S		159	42 340	57	
S		298 7	CS2S		010	44 353	69	
S		305 9	CS2Z		077	67 170	81	
S		311 7	CS2S		022	32 018	74	
S		314 8	CS2S		176	52 022	68	
S		322 4	CS2Z		000	54 207	67	
S		328 7	CS2S		160	62 350	63	
S		331 3	CS2S		143	59 318	67	
S		336 6	CS2S		025	38 348	68	
S		341 3	PS2				75	
S		350 1	PS2				72	
S		352 7	CS2Z		021	17 090	82	
S		356 7	CS2Z		173	24 021	71	
S		367 1	CS2Z		079	39 083	83	
S		368 7	CS2Z		005	24 005	80	
S		376 5	CS2S		020	38 013	71	
S		37A 3	CS2S		074	37 350	57	
S		386 7	PS2				76	
S		395 0	PS2				70	
S		398 0	PS2				72	
S		406 7	PS2				74	
S		410 7	PS2				66	

DDH 90DY-06 (2 — 8)

CURRAGH RESOURCES INC.

Structural Log

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

Code	From	To	Feature	Sym	S_0F_2 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	417 6		PS2				78	
S	419 8		CS2S		020	50	66	
S	425 5		CS2S		023	40 18	65	
S	434 5		CS2		020	35 179	82	
S	436 7		CS2Z		023	37 171	51	
S	440 9		CS2S		029	07 016	63	
S	449 8		CS2Z		168	27 165	63	
S	456 2		CS2Z		022	38 188	71	

C.R.I. 1987 E.

DDH 90DY-06 (2 8)

CURRAGH RESOURCES INC.

Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	31	315	1,B,G		32 235			limonite-clay minor fault, little gouge.
F		343	1,B,G		78			limonite-clay minor fault, little gouge
F	457	461	1,B		43 052			clay-limonite minor fault. No gouge
F	477	479	1,B,G		47			limonite-clay minor fault, some gouge
F	548	570	3,B,G		28 036			friable zone of broken rock
								containing sandy chloritic-limonitic fault
								gouge at 56.5–57.0.
								Slickensides at upper contact
								005°/87°. Fairly major
								fault.
F	760	761	1,G		82			Limonitic-clay gouge. Squashed by drill
F	852	864	2,B,G		57	55		Limonitic-clay broken rock, gouge
F	1460	1465	2,B,G		49		58	Weakly graphitic gouge within broken rock.
F	1512	1514	1,B,G		64			Weakly graphitic gouge within broken rock.
F	1541	1542	1,G		45			Weakly graphitic gouge.
F	1669	1670	2,G		82		60	
F	1855	1857	2,G		42 080			Weakly graph. Lack of confidence in 080°
F	1906	1908	1,G		07			
F	2077	2079	1,B,G		83		77	Weakly graphitic-limonitic.
F	2432	2435	2,B		50		60	
F	2564	2573	2,B,G		55		34	Clayey silvery gray gouge.
F	2629	2632	1,B,G		79		63	Clayey silvery gray gouge.
F	2683	2686	1,B		56			Clayey broken rock
F	3433	3468	4,B		68		80	Broken friable to blocky core.
								No gouges seen.
F	3757	3759	1,B,G		67			Clayey gouge.
F	4056	4058	1,B		76		75	Broken core. No gouge.
F	4157	4164	2,B,G			75		Broken core. Clayey gouge.
F	4176	4182	1,B		77		77	Broken core. No gouge.
F	4185	4195	2,B		42		50	Broken core. No gouge.
F	4265	4267	1,B		46		88	Clayey gouge.
					ALL MEASURED			
					W.R.T. C.A.			

C.R.I. 1987 E-7

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90 DY - 06

Units: Feet / Metres Date: JAN 14/91 Logged By: DRH / RW Page 34 of 39

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0–30				30–65				50–70				65–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
CA	SING	TO	12.2																				CASING. O/B
13.6	0.65	0.1	R4	7	2	1	11	10.0	J	Ø	–	–	–					10	17	10.0	S	NQ	
14.9	1.4	0.2	R2	6	2	3	9	10.0	J	Ø	–	–	–					24	12	6.0	S		
15.5	0.6	0.1	R2	4	2	2	14	10.0	J	1	16	10.0	J					71	12	3.0	S		
18.0	2.5	0.35	R2	6	2	1	14	10.0	J	1	16	10.0	J					54	12	3.0	S		
20.3	2.2	0.7	R2	6	2	1	14	10.0	J	2	16	10.0	J					34	12	3.0	S		
23.3	3.1	1.1	R2	6	2	1	16	10.0	J	2	14	10.0	J					50	12	3.0	S		
26.2	2.7	0.9	R2	6	2	1	14	10.0	J	2	13	10.0	S					48	12	3.0	S		
29.0	2.9	0.9	R3	7	2	1	12	10.0	J	1	14	10.0	J					47	10	3.0	S		
32.0	3.1	1.1	R2	8	3	2	11	6.0	J	1	12	10.0	J					46	10	3.0	S		
35.1	3.0	1.1	R2	7	3	2	14	10.0	J	3	15	10.0	S					34	13	3.0	S		
38.1	2.9	1.3	R2	8	1	3	16	10.0	J	1	16	10.0	J					33	12	3.0	S		
39.8	1.7	0.2	R3	6	3	4	13	6.0	J	3	12	6.0	J					27	12	6.0	S		
42.4	2.7	1.9	R3	10	1	3	16	6.0	J	1	14	10.0	J					18	10	10.0	S		
45.4	3.0	1.5	R2	9	2	3	13	6.0	J	3	16	10.0	J					17	13	6.0	S		
48.5	3.1	2.4	R2	8	2	2	16	10.0	J	2	16	10.0	J					17	14	6.0	S		
51.5	3.0	1.8	R3	9	3	1	14	10.0	J	3	18	10.0	J					18	12	6.0	S		
54.6	3.1	2.4	R3	12	1	2	16	10.0	J	2	14	10.0	J					17	13	6.0	S		
57.0	1.3	0	R1	2	4	5	14	6.0	J	5	8	6.0	J76					27	11	3.0	S		fault gouge, friable zone
57.5	0.4	0	R2	4	3	2	8	8.0	J	1	10	10.0	J					7	10	5.0	S		
60.7	3.2	3.0	R3	10	2	1	15	10.0	J	Ø	–	–	–					11	13	10.0	S		
63.7	3.0	2.5	R3	9	2	Ø	–	–	–	3	15	10.0	J					19	14	6.0	S		
66.8	3.0	2.4	R3	10	2	Ø	–	–	–	1	14	10.0	J					17	12	6.0	S		
69.8	3.0	1.9	R2	8	1	Ø	–	–	–	1	16	10.0	J					30	14	3.0	S		
71.6	1.7	1.0	R2	7	2	2	14	10.0	J	3	13	10.0	J					15	12	10.0	S		
72.8	1.3	0.3	R2	6	3	1	16	10.0	J	2	16	10.0	J					12	14	10.0	S		
75.9	3.0	2.6	R3	9	1	1	16	10.0	J	1	16	10.0	J					15	13	10.0	S		
78.9	3.1	1.8	R3	8	3	2	17	10.0	J	1	15	10.0	J					20	13	6.0	S		
82.0	2.7	2.0	R3	8	3	1	14	10.0	J	2	14	10.0	J					19	12	6.0	S		
85.0	3.1	2.1	R3	8	2	4	15	10.0	J	4	16	10.0	J					18	12	6.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-06

Units: Feet / Metres Date: JAN 14/91 Logged By: DRH/RW Page 35 of 39

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0–30				30–~~35~~65				~~35–70~~				65 ~~70~~–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
86.1	1.1	0.1	R2	4	4	2	15	6.0	J	4	12	3.0	JJG					10	11	6.0	S	NQ	minor limonitic fracture gouge.
88.1	1.9	0.9	R3	5	4	2	16	6.0	J	2	18	6.0	J					16	14	8.0	S		
91.1	3.0	1.4	R3	10	3	3	16	6.0	J	2	14	10.0	J					9	12	9.0	S		
94.2	3.0	2.7	R4	14	1	0	–	–	–	0	–	–	–					9	12	10.0	S		
97.2	3.0	2.4	R4	12	2	1	12	10.0	J	0	–	–	–					12	12	10.0	S		
100.3	3.0	2.6	R4	14	1	0	–	–	–	0	–	–	–					17	12	6.0	S		
102.7	2.3	0.7	R4	10	2	6	14	10.0	J	0	–	–	–					29	12	6.0	S		
105.9	3.1	2.5	R4	10	1	0	–	–	–	2	14	10.0	J					22	11	6.0	S		
109.1	3.2	2.3	R4	11	2	0	–	–	–	3	15	10.0	J					21	11	6.0	S		
112.3	3.1	2.6	R5	12	2	0	–	–	–	2	9	10.0	J					20	12	6.0	S		pyroxenite
115.5	3.1	2.2	R4	10	2	3	14	8.0	J	3	18	10.0	J					14	12	10.0	S		
118.6	3.0	1.3	R2	9	1	3	15	10.0	J	2	16	10.0	J					18	12	9.0	S		
121.6	3.0	2.3	R2	11	1	1	16	10.0	J	1	16	10.0	J					22	12	6.0	S		
124.7	3.1	1.7	R2	9	1	1	16	10.0	J	2	14	10.0	J					34	13	6.0	S		
127.7	3.0	1.3	R2	7	1	0	–	–	–	2	15	10.0	J					37	13	6.0	S		
130.8	3.1	1.6	R2	7	2	1	15	10.0	J	1	17	10.0	J					45	12	6.0	S		
133.8	3.0	0.6	R2	6	2	0	–	–	–	1	16	10.0	J					57	12	6.0	S		
136.9	3.0	0.6	R2	6	1	0	2	~~16~~	J	0	–	–	–					47	11	6.0	S		
139.9	3.0	1.4	R2	8	1	0	–	–	–	0	–	–	–					30	12	6.0	S		
143.0	3.0	0.8	R2	7	1	0	–	–	–	2	16	10.0	J					45	13	6.0	S		
146.6	2.6	0.1	R2	6	2	1	18	10	J	1	16	10.0	J					50	13	6.0	S		
148.9	3.1	0.85	R3	7	2	0	–	–	–	8	8	8.0	JJG					33	12	6.0	S		minor gouge at 0/45°.
152.1	3.2	1.5	R2	6	2	1	8	10.0	G	4	12	10.0	S					49	12	3.0	S		minor graphitic gouge.
155.1	3.0	0.6	R3	7	1	0	–	–	–	1	14	10.0	J					34	12	6.0	S		
156.2	1.1	0.3	R2	7	1	0	–	–	–	2	16	10.0	J					34	12	6.0	S		
158.2	1.8	0.9	R2	7	1	1	18	10.0	J	2	12	10.0	S					36	12	6.0	S		
161.2	3.1	1.2	R2	6	1	1	16	10.0	J	3	13	10.0	S					45	13	3.0	S		
164.3	3.0	1.6	R2	6	1	1	16	10.0	J	4	13	10.0	S					42	13	3.0	S		
167.3	3.0	1.2	R2	6	1	1	16	10.0	J	6	12	10.0	S					47	13	3.0	S		
170.4	2.9	1.2	R2	8	1	0	–	–	–	1	14	10.0	J					39	12	3.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90 DY - 06

Units: Feet / Metres Date: JAN 18 | 91 Logged By: DRH / RW Page 36 of 39

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
173.4	3.0	1.5	R2	8	1	Ø	–	–	–	1	8	10.0	G	31	12	6.0	S	NQ	minor gouge
176.5	2.9	1.6	R2	8	1	1	18	10.0	J	Ø	–	–	–	28	12	6.0	S	7	
179.5	3.0	1.6	R2	7	1	1	14	10.0	J	Ø	–	–	–	31	12	6.0	S		
182.6	3.0	1.9	R2	7	1	1	15	10.0	J	2	18	10.0	J	29	12	6.0	S		
185.6	2.9	1.2	R2	6	1	Ø	–	–	–	4	14	10.0	J>G	35	12	6.0	S		
188.7	3.0	0.8	R2	6	1	1	10	10.0	J	Ø	–	–	–	39	12	3.0	S		
191.7	3.0	0.3	R2	6	1	2	14	10.0	J	2	14	10.0	J>G	51	13	3.0	S		minor gouge (graphitic)
194.8	3.0	0.75	R2	5	1	1	16	10.0	J	3	16	10.0	J	46	15	3.0	S		
197.8	3.0	1.6	R2	6	1	2	15	10.0	J	2	16	10.0	J	37	12	6.0	S		
200.9	3.0	1.3	R2	7	1	Ø	–	–	–	1	14	10.0	J	38	12	6.0	S		
203.9	3.0	1.7	R2	7	1	Ø	–	–	–	Ø	–	–	–	30	12	6.0	S		
207.0	3.0	0.75	R2	6	1	Ø	–	–	–	Ø	–	–	–	52	13	6.0	S		
210.0	3.1	1.4	R2	7	1	Ø	–	–	–	1	6	10.0	G	52	12	6.0	S		"Chlorite-clay gouge"
213.1	2.9	1.2	R2	8	1	1	16	10.0	J	Ø	–	–	–	40	13	3.0	S		
216.1	3.0	1.4	R2	6	1	Ø	–	–	–	3	14	10.0	J	45	12	3.0	S		
219.2	3.0	1.9	R2	8	1	Ø	–	–	–	1	16	10.0	J	29	13	6.0	S		
222.2	2.9	1.45	R2	7	1	Ø	–	–	–	Ø	–	–	–	32	12	6.0	S		
225.2	3.1	1.6	R2	8	1	1	16	10.0	J	5	14	10.0	S	28	12	6.0	S		
228.3	3.1	1.0	R2	6	1	Ø	–	–	–	4	15	10.0	J	38	13	3.0	S		
231.3	3.0	0.3	R2	6	1	1	16	10.0	J	2	16	10.0	J	60	13	3.0	S		
233.6	2.4	0.8	R2	5	1	2	15	10.0	J	4	14	10.0	S	28	13	6.0	S		
236.8	3.2	1.4	R2	7	1	Ø	–	–	–	1	14	10.0	J	41	14	3.0	S>G		incl. minor clayey gouge
240.0	3.2	1.5	R2	8	1	1	8	10.0	J	3	14	10.0	J	48	13	3.0	S		
243.2	3.1	1.2	R2	6	1	Ø	–	–	–	4	12	10.0	J	48	13	3.0	S		
243.5	0.2	0	R2	2	2	3	16	6.0	J	2	15	6.0	J	6	14	3.0	S		
246.1	2.3	1.3	R2	8	1	Ø	–	–	–	2	14	10.0	S	14	12	6.0	S		
249.3	3.0	1.0	R2	7	1	Ø	–	–	–	6	18	10.0	J	44	12	3.0	S		
252.5	3.1	1.9	R2	8	1	1	15	10.0	J	1	14	10.0	J	24	13	10.0	S		
255.7	3.1	1.4	R3	8	1	Ø	–	–	–	3	14	10.0	J	27	13	10.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-06

Units: Feet / Metres Date: Jan 20/91 Logged By: DRH/RW Page 37 of 39

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA																Core Size	Comments
						0–30				30–~~32~~ 65				~~50–70~~				65 ~~70~~–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
256.9	1.2	0.1	R2	4	1	3	15	10.0	J	2	14	10.0	J					25	13	6.0	S	NQ	
260.3	3.3	1.1	R2	6	1	1	15	10.0	J	3	14	10.0	JJG					46	13	3.0	S		clayey gouge
263.5	3.1	1.0	R2	2	1	2	14	10.0	J	3	13	10.0	JJG					41	14	3.0	S		clayey gouge
266.7	3.0	1.0	R2	7	1	3	16	10.0	J	3	15	10.0	J					41	13	3.0	S		
268.8	2.2	0.8	R2	7	1	1	15	10.0	J	4	14	10.0	J					25	10	6.0	S		
271.0	2.0	0.8	R2	7	1	0	–	–	–	5	15	10.0	J					21	12	6.0	S		
274.0	3.1	1.2	R2	8	1	1	14	10.0	J	2	13	10.0	J					41	12	3.0	S		
277.1	3.1	0.6	R2	6	1	2	16	10.0	J	3	14	10.0	J					48	12	3.0	S		
279.2	2.0	0.5	R2	6	1	2	14	10.0	J	2	13	10.0	J					50	13	3.0	S		
282.4	3.1	0.9	R2	7	1	0	–	–	–	1	13	10.0	J					47	13	3.0	S		
285.4	3.1	2.2	R2	8	1	0	–	–	–	3	14	10.0	J					27	13	6.0	S		
288.6	3.0	2.3	R2	8	1	0	–	–	–	2	15	10.0	J					30	13	6.0	S		
291.8	3.1	2.4	R2	10	1	0	–	–	–	2	14	10.0	J					24	12	6.0	S		
295.0	3.1	2.2	R2	9	1	1	13	10.0	J	2	16	10.0	J					23	12	6.0	S		
298.2	3.1	1.8	R2	10	1	0	–	–	–	2	13	10.0	S					38	12	6.0	S		
301.4	2.9	2.0	R2	10	1	1	15	10.0	J	2	13	10.0	S					19	11	10.0	S		
304.5	3.0	2.5	R2	10	1	0	–	–	–	0	–	–	–					17	12	10.0	S		
307.5	3.0	2.2	R2	10	1	0	–	–	–	0	–	–	–					27	11	6.0	S		
310.6	3.0	2.2	R2	9	1	0	–	–	–	1	12	10.0	J					24	13	6.0	S		
313.6	3.0	2.1	R2	8	1	0	–	–	–	0	–	–	–					21	12	6.0	S		
316.7	2.9	1.3	R2	7	1	0	–	–	–	1	12	10.0	S					36	12	6.0	S		
319.7	3.0	0.5	R2	6	1	0	–	–	–	2	12	10.0	S					42	12	3.0	S		
320.2	0.4	0	R2	4	1	1	14	10.0	J	0	–	–	–					15	12	3.0	S		
322.8	2.6	0	R2	6	1	1	14	10.0	J	0	–	–	–					94	12	3.0	S		
325.8	2.9	1.2	R2	7	1	0	–	–	–	5	14	10.0	J					46	13	3.0	S		
328.9	3.1	0.7	R2	6	1	0	–	–	–	3	14	10.0	J					50	14	3.0	S		
331.9	3.0	2.0	R2	7	1	0	–	–	–	3	14	10.0	J					30	13	6.0	S		
335.0	3.0	1.1	R2	7	1	0	–	–	–	1	16	10.0	J					46	12	3.0	S		
338.0	3.0	1.0	R2	8	1	0	–	–	–	2	16	10.0	J					44	12	3.0	S		
341.1	2.9	2.0	R2	9	1	0	–	–	–	2	14	10.0	J					31	12	6.0	S		

394.8 contact between 5F and 5CØ

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-06

Units: Feet / Metres Date: Jan. 20/91 Logged By: DRH/RW Page 38 of 39

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA 0–30 No	Rough	Alt	Type	30–~~50~~65 No	Rough	Alt	Type	~~50–70~~ No	Rough	Alt	Type	65 ~~70~~–90 No	Rough	Alt	Type	Core Size	Comments
344.1	3.Ø	1.3	R2	5	1	1	14	10.Ø	J	2	14	10.Ø	J					25	11	6.Ø	S	NQ	
345.8	1.8	Ø	R1	2	2	4	8	10.Ø	J	1	8	10.Ø	J					50	8	3.Ø	S		
347.Ø	1.2	Ø	R1	4	2	2	8	10.Ø	J	5	8	10.Ø	S					58	8	3.Ø	S		
350.2	3.2	1.Ø	R2	7	1	1	15	10.Ø	J	2	13	10.Ø	J					39	12	3.Ø	S		
353.3	3.05	2.45	R2	12	1	Ø	–	–	–	1	16	10.Ø	J					14	12	10.Ø	S		
356.3	3.1	2.4	R2	11	1	Ø	–	–	–	4	15	10.Ø	S					22	14	8.Ø	S		
359.4	3.05	2.35	R3	10	1	1	16	10.Ø	J	3	14	10.Ø	J					28	12	6.Ø	S		
362.4	3.2	2.Ø	R3	11	1	Ø	–	–	–	Ø	–	–	–					4	14	10.Ø	S		
363.Ø	Ø.6	Ø.5	R2	11	1	Ø	–	–	–	1	14	10.Ø	J					21	14	8.Ø	S		
365.5	2.4	1.4	R2	10	1	Ø	–	–	–	1	14	10.Ø	J					2Ø	13	8.Ø	S		
368.5	3.1	2.5	R2	11	1	Ø	–	–	–	2	8	10.Ø	S					25	13	8.Ø	S		
371.1	2.65	1.8	R2	8	1	Ø	–	–	–	2	14	10.Ø	S					35	13	6.Ø	S		
371.7	Ø.35	Ø.4	R2	7	1	Ø	–	–	–	Ø	–	–	–					8	14	6.Ø	S		
372.8	1.15	Ø.35	R2	8	1	Ø	–	–	–	1	17	10.Ø	J					18	14	6.Ø	S		
376.Ø	3.3	Ø.5	R2	6	1	2	15	10.Ø	J	1	11	10.Ø	S					59	13	3.Ø	S		
377.6	1.9	1.1	R2	11	1	Ø	–	–	–	Ø	–	–	–					19	14	6.Ø	S		
38Ø.7	3.1	1.75	R2	12	1	Ø	–	–	–	1	16	10.Ø	J					3Ø	14	6.Ø	S		
383.7	2.95	Ø.9	R2	9	1	Ø	–	–	–	1	11	10.Ø	S					29	13	6.Ø	S		
386.8	3.1	1.Ø	R2	9	1	Ø	–	–	–	2	13	10.Ø	S					38	14	4.Ø	S		
389.8	3.1	1.35	R2	7	1	Ø	–	–	–	2	16	10.Ø	S					38	13	4.Ø	S		
392.9	3.05	2.4	R2	9	1	1	13	10.Ø	J	2	11	10.Ø	J>G					48	12	3.Ø	S		clayey gouge
395.9	3.05	1.3	R3	10	1	1	14	10.Ø	J	Ø	–	–	–					34	13	4.Ø	S		
399.Ø	3.05	1.8	R3	11	1	1	18	10.Ø	J	3	19	10.Ø	J					25	14	8.Ø	S		
402.Ø	3.1	2.3	R2	13	1	1	15	10.Ø	J	Ø	–	–	–					22	14	8.Ø	S		
405.Ø	3.2	1.4	R2	10	1	Ø	–	–	–	Ø	–	–	–					41	12	3.Ø	S		
410.7	2.35	Ø.5	R2	10	1	5	16	10.Ø	J	2	18	10.Ø	J					64	12	3.Ø	S		
413.9	3.25	1.4	R2	9	1	1	15	10.Ø	J	1	14	10.Ø	J					52	12	3.Ø	S		
416.1	2.5	Ø.5	R2	8	1	2	15	10.Ø	J	2	16	10.Ø	J					36	13	6.Ø	S>G		clayey fault gouge
417.7	1.5	Ø.1	R2	4	1	2	11	6.Ø	J	Ø	–	–	–					26	12	8.Ø	S>G		clayey fault gouge
418.8	1.2	Ø.1	R2	6	1	1	16	6.Ø	J	1	14	6.Ø	J					26	12	8.Ø	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-06

Units: Feet / Metres Date: Jan. 21/91 Logged By: DRH/RW Page 39 of 39

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0–30				30–65				[illegible]				65–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
422.0	3.4	2.05	R2	12	1	1	15	10.0	J	2	15	10.0	J					36	12	6.0	S	NQ	
423.5	2.5	0.7	R2	9	1	1	17	10.0	J	2	14	10.0	J					33	12	6.0	S		
426.4	2.8	0.5	R2	8	1	1	17	10.0	J	5	15	10.0	J					57	13	3.0	S		
427.2	1.7	0.9	R2	7	1	1	15	10.0	J	0	–	–	–					27	13	6.0	S		
430.4	3.1	0.4	R2	8	1	0	–	–	–	6	13	10.0	J					68	12	3.0	S		
433.6	3.45	1.5	R2	9	1	1	16	10.0	J	8	15	10.0	J					23	12	6.0	S		
436.8	3.3	2.3	R2	12	1	0	–	–	–	1	14	10.0	J					32	12	6.0	S		
438.6	2.95	0.4	R2	8	1	1	14	10.0	J	8	14	10.0	S					30	13	6.0	S		
441.7	4.05	2.0	R2	11	1	0	–	–	–	1	14	10.0	S					27	13	6.0	S		
444.7	3.2	1.8	R2	10	1	0	–	–	–	1	12	10.0	S					18	12	6.0	S		
447.8	4.05	2.5	R2	11	1	1	18	10.0	J	4	16	10.0	J					29	12	4.0	S		
450.8	3.0	1.1	R2	10	1	0	–	–	–	0	–	–	–					38	14	3.0	S		
453.2	2.4	0.7	R2	10	1	0	–	–	–	10	13	10.0	S					25	12	6.0	S		
455.4	3.1	0.5	R2	11	1	2	14	10.0	J	3	18	10.0	J					23	12	6.0	S		
457.2	2.1	0.6	R2	9	1	1	15	10.0	J	1	18	10.0	S					43	12	3.0	S		

Casing 12.2
13.6
14.9
15.5
18.0
20.3
23.3
26.7
29.0
32.0
35.1

38.1
39.8
90-DY-06-B+L
42.4
45.4
48.5
48.7
51.5
90-DY-06-B+8
54.6
57.0
57.3
57.5

90-DF-06-BX 9
60.7
63.7
90-DF-06-BX 10
66.8
69.8
90-DF-06-BX 11
71.6
72.8
90-DF-06-BX 12
75.9

82.0
85.0
86.1
88.2
88.1
91.1
94.2
97.2
100.3
102.7

90-DY-06-Bot 19
105.9
109.1
90-DY-06-Bot 18
112.3
90 DY 06 BOX-19
115.5
118.6
90 DY 06 BOX-20
121.6
124.7

30 DY 06 BOX-21
127.7
130.8
30 DY 06 BOX-22
133.8
136.9
30 DY 06 BOX-23
139.7
143.0
30 DY 06 BOX-24
146.6
148.9

90-DY-06-B+25
157.4
90-DY-06-B+26
154.8
155.1
156.2
158.2
90-DY-06-B+27
161.2
164.3
90-DY-06-B+28
167.3
170.4

90-DY-06-BX 29
173.4
176.5
90-DY-06-Box 30
179.5
182.6
90 DY 06 BOX-31
185.6
188.7
90 DY 06 BOX-32
191.7

194.8
197.8
200.9
203.9
207.0
210.0
213.1
216.1

2192
2227
2252
2283
2313
2336
2365

90-DY-06-BX41
240.0
243.2
243.5
90-DY-06-BX42
246.1
1ØQ
249.3
90-DY-06-BX43
252.5
1ØQ
254.5
255.7
90-DY-06-BX44
256.9
1ØQ
260.3
1ØQ

263.5
266.7
268.8
271.0
274.0
274.6
275.0
277.1
279.2
282.4
283.5

285.4
288.6
90-DY-06-Box 50
291.8
295.0
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297.2
298.2
299.3
90-DY-06-Box 52
301.4
304.5

90-DY-CC-Box53
307.5
308.1
308.9
310.4
310.6
90 DY CC BOX 54
313.6
316.7
90 DY CC BOX-55
319.7
320.2
322.8
90 DY CC BOX-56
325.8
328.9

331.9
335.0
338.0
341.1
344.1
345.8
345.8
347.0
350.2

90-DY-06-Box 61
353.3
356.3
90-DY-06-Box 62
359.4
362.4
90-DY-06-Box 63
363.0
365.5
365.7
366.0
367.4
367.7
90-DY-06-Box 64
368.5
371.1
371.7
372.8

90-DY-06-Box 65
376.0
377.6
378.5
378.9
90-DY-06-Box 66
380.7
383.7
90 DY 06 BOX-67
386.8
389.8
90 DY 06 BOX-68
392.9
394.4
394.8
395.9

398.1
399.0
402.0
405.0
407.5
410.7
413.9
416.1
417.7

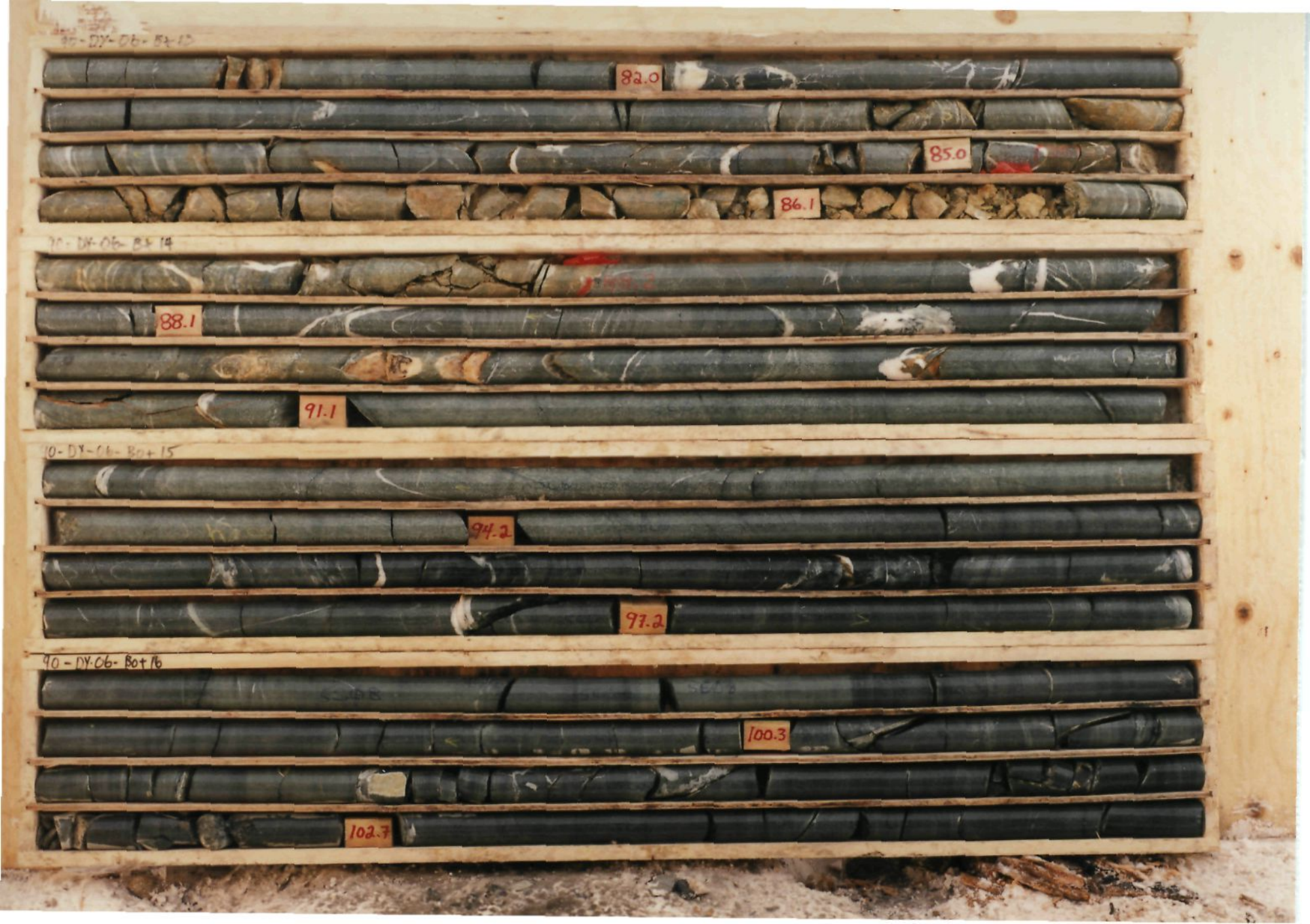
4188
4220
4235
4264
4272
4304
4336
4368
4386

90 DY 06 BOX-77
441.7
444.7
90 DY 06 BOX-78
447.8
450.8
90 DY 06 BOX-79
453.2
457.2

Casing
12.2
13.6
14.9
15.5
18.0
20.3
23.3
26.2
29.0
32.0
35.1

38.1
39.8
42.4
45.4
48.5
51.5
54.6
57.0
57.5

90-DY-06-B#9
60.7
63.7
90-DY-06-B#10
66.8
69.8
90-DY-06-B#11
71.6
72.8
PY
90-DY-06-B#12
75.9
PY
78.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85.0
86.1
88.1
91.1
94.2
97.2
100.3
102.7

90-DY-06-BOX 17
105.9
109.1
90-DY-06-BOX 18
112.3
90-DY-06-BOX-19
115.5
118.6
90-DY-06-BOX-20
121.6
124.7

90 DY 06 BOX-21
127.7
130.8
90 DY 06 BOX-22
133.8
136.9
90 DY 06 BOX-23
139.7
143.0
90 DY 06 BOX-24
146.6
148.9

90-DY-06-B+25
90-DY-06-B+26
154.8
155.1
156.2
158.2
90-DY-06-B+27
161.2
164.3
90-DY-06-B+28
167.3
170.4

90-DY-06-BX 29
173.4
176.5
90-DY-06-Box 30
179.5
182.6
90 DY 06 BOX-31
185.6
188.7
90 DY 06 BOX-32
191.7

194.8
197.8
200.9
203.9
207.0
210.0
213.1
216.1

219.2
222.2
225.2
228.3
231.3
233.6
236.8

90-DY-06-BX41
240.0
243.2
243.5
90-DY-06-BX42
246.1
249.3
90-DY-06-BX43
252.5
254.0
1ØQ
254.5
253.7
90-DY-06-BX44
256.9
1ØQ
260.3

263.5
266.7
268.8
271.0
274.0
277.1
279.2
282.4

90-DY-06-Box 49
285.4
288.6
90-DY-06-Box 50
291.8
295.0
90-DY-06-Box 51
298.2
90-DY-06-Box 52
301.4
304.5

302.5
313.6
316.7
319.7
322.8
325.8
328.9

331.9
335.0
338.0
341.1
344.1
345.8
345.8
347.0
350.2

90-DY-06-Bot 61
353.3
356.3
90-DY-06-Bot 62
359.4
362.4
90-DY-06-Bot 63
363.0
365.5
366.0
367.4
367.7
90-DY-06-Bot 64
368.5
371.1
371.7
372.8

90-DY-06-Box-65
376.0
377.6
378.5
378.9
90-DY-06-Box-66
380.7
383.7
90 DY 06 BOX-67
386.8
90 DY 06 BOX-68
392.9
395.9

399.0
402.0
405.0
407.5
410.7
413.9
416.1
417.7

90 DY 06 BOX-73
418.8
422.0
423.5
90 DY 06 BOX-74
426.4
427.2
90 DY 06 BOX-75
430.4
433.6
90 DY 06 BOX-76
436.8

90 DY 06 BOX-77
441.7
444.7
90 DY 06 BOX-78
447.8
450.8
90 DY 06 BOX-79
453.2
457.2

CURRAGH RESOURCES INC.

DIAMOND DRILL CORE LOG

Date: Jan. 25/91

Hole Number: 90DY-07

Reference Fabric Orientation Diagram:

Project: DY PROJECT

Location: DY DECLINE

Claim:

Terr.Plane Co-ords.: 900768.60 N

597774.60 E

Grid Co-ords:

Elevation: 10342.0

All symmetry determinations looking

Total Depth: 686.71

_____ with _____ dipping

Inclination: VERTICAL

_____ with dip azimuth _____.

Purpose: TO TEST ROCK QUALITY ALONG TRACE OF DY DECLINE

Reason hole Terminated: HOLE REACHED DESIRED DEPTH

Logged by: D. R. HALLIWELL / J. Zbac

Date(s) Logged:

Drilling Contractor: CARON DIAMOND DRILLING

Hole Cemented:	Steel down Hole:	CORE Size	From	To	Collar Cased and Capped:
NO	NO	BQ	8.4	686.71	

Assay Lab: N. A. L.

Certificate No's: N. A.

Started: _____ Completed: _____

SPERRY-SUN DRILLING SERVICES

CURRAGH RESOURCES INC.
BODY-07

1990 12 01
CX-LB-00690

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0.00	0.42	42.86	0.00	0.00	0.00	0.00	0.00
50.00	0.25	9.72	50.00	0.24 N	0.14 E	0.08	0.50
100.00	0.33	319.66	100.00	0.46 N	0.07 E	0.29	0.52
150.00	0.52	314.59	150.00	0.73 N	0.19 W	0.66	0.38
200.00	0.62	307.49	199.99	1.05 N	0.56 W	1.15	0.24
250.00	1.00	301.18	249.99	1.44 N	1.15 W	1.84	0.79
300.00	1.35	295.10	299.98	1.92 N	2.06 W	2.80	0.74
350.00	1.58	298.01	349.96	2.49 N	3.20 W	4.00	0.49
400.00	1.75	300.93	399.94	3.21 N	4.46 W	5.38	0.37
450.00	1.97	297.84	449.92	4.00 N	5.88 W	6.92	0.48
500.00	2.25	297.75	499.88	4.86 N	7.50 W	8.66	0.57
550.00	2.78	304.65	549.83	6.00 N	9.37 W	10.76	1.22
600.00	3.23	308.57	599.76	7.57 N	11.47 W	13.34	0.99
650.00	3.73	310.24	649.67	9.50 N	13.82 W	16.35	1.02
700.00	4.02	310.16	699.56	11.69 N	16.40 W	19.70	0.57
750.00	4.27	310.08	749.43	14.01 N	19.16 W	23.29	0.50
800.00	4.25	308.00	799.29	16.35 N	22.04 W	26.96	0.31
850.00	4.50	309.93	849.14	18.75 N	25.01 W	30.73	0.58
00.00	4.52	309.85	898.99	21.27 N	28.02 W	34.63	0.04
950.00	4.88	310.79	948.82	23.92 N	31.15 W	38.69	0.75
1000.00	5.12	315.73	998.63	26.91 N	34.31 W	43.04	0.98
1050.00	5.52	317.68	1048.41	30.28 N	37.49 W	47.67	0.88
1100.00	5.72	317.64	1098.17	33.90 N	40.78 W	52.56	0.40
1150.00	5.87	317.43	1147.92	37.62 N	44.19 W	57.61	0.30
1200.00	6.00	313.39	1197.65	41.30 N	47.82 W	62.77	0.88
1250.00	6.17	309.36	1247.37	44.80 N	51.79 W	68.04	0.92
1300.00	6.50	309.33	1297.07	48.30 N	56.06 W	73.50	0.67
1350.00	6.75	310.30	1346.73	51.99 N	60.49 W	79.22	0.55
1400.00	6.67	310.26	1396.39	55.77 N	64.95 W	85.01	0.17
1450.00	6.67	310.23	1446.05	59.52 N	69.38 W	90.77	0.01
1500.00	6.67	312.20	1495.71	63.34 N	73.74 W	96.54	0.46
1550.00	6.47	312.09	1545.38	67.18 N	77.98 W	102.24	0.40
1600.00	6.25	310.04	1595.08	70.82 N	82.16 W	107.74	0.63
1650.00	6.25	313.00	1644.78	74.42 N	86.23 W	113.15	0.64
1700.00	5.52	312.92	1694.52	77.92 N	89.98 W	118.26	1.47
1750.00	4.75	311.84	1744.32	80.93 N	93.28 W	122.72	1.55
1800.00	4.62	320.78	1794.15	83.87 N	96.10 W	126.79	1.48
1850.00	4.53	330.71	1843.99	87.16 N	98.34 W	130.72	1.59
1900.00	4.47	340.65	1893.84	90.72 N	99.95 W	134.43	1.56
50.00	4.28	341.43	1943.69	94.32 N	101.19 W	137.93	0.39

SPERRY-SUN DRILLING SERVICES

CURRAGH RESOURCES INC. 1990 12 01
9[illegible]Y-07 CX-LB-00690

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

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

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

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 90DY-07

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

Code	Drillhole	Elevation	Northing	Easting	Units (feet / metres)	R.F.E.	
1	2–8	10–16	17–24	25–32	34–39	41 42	
T	90DY-07	1034.20	9007686.0	597774.60	METRES		

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

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

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	00	84		001	11A	CASING: GLACIAL OVERBURDEN.
						Contains boulders, cobbles of pebbles of SBØ, 1ØQ; often limonitized
L	84	102		ØØ2	SBØ	(1ØQ#) 90:1Ø LIMONITIZED, BROKEN CORE.
						Light to medium grey with buff-white-ochre carbonate-quartz ± limonite laminae/bands following S_1/S_2, CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately calcareous. Limonite may be after pyrite. Poor core recovery. RQD. Gradational upper and lower contacts parallel S_2. Soft to moderately soft.
						White-buff-ochre quartz-calcite-limonite bands or concordant veins subparallel S_2. Moderately calcareous. Calcite has limonite stain. Hard. Sharp contacts with SBØ subparallel S_2.
L	102	144		ØØ3	SBØ	LIMONITIZED.
						Light to medium grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft to soft. Trace disseminated fresh (not-limonitized) pyrite as euhedral cubes. Very good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
L	144	170		ØØ4	SBØ2	LIMONITIZED.
						Medium to dark grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery dark grey and ochre (limonite) fracture surfaces. Soft to moderately soft. Trace disseminated pyrite.

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

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 and lower contacts parallel S_2.
L	17Ø	21Ø		ØØ5	5BØ	(5BØ2) 8Ø:2Ø LIMONITIZED. Light to medium grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Soft to moderately soft. Intensely limonitized fracture at low CA angle at 19.Ø-19.3. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2. Medium to dark grey slightly more carbonaceous subunit is less calcareous, softer and has gradational contacts with 5BØ.
L	21Ø	297		ØØ6	5B6	(1ØØ#) 9Ø:1Ø WEAKLY LIMONITIZED. Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix with calcareous bands, laminae. CS_2 and PS_2 foliated. Silvery grey and rare ochre (limonite) fracture surfaces. Moderately soft to soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-buff quartz-calcite bands or concordant veins subparallel S_2 are moderately calcareous, hard, contain wisps of olive green-grey Mg-chlorite and black Fe-chlorite and have sharp contacts with 5B6.
L	297	342		ØØ7	5BØ	(1ØØ#:5B2Ø) 95:Ø4:Ø1 NON-LIMONITIZED Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces.

DDH 90DY-07 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

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

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to weakly calcareous (outside matrix). PS_2 and CS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite as euhedral cubes (≤ 6mm). Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-buff quartz-calcite bands or concordant veins subparallelling S_2 are calcareous, hard, contain olive grey-grey Mg-chlorite wisps and have sharp contacts with 5B62.
L	4.52	4.67		Ø11	5B6	(1ØQ#) 8Ø:2Ø Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2, CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper contact. Sharp lower contact at CA 55°. (Non-calcareous matrix). White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain wisps of black Fe-chlorite and have sharp contacts with 5B6 subparallel S_2.
L	4.67	4.73		Ø12	5BØ	BROKEN CORE. Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2, CS_2 foliated. Weakly calcareous. Silvery grey and (rare) ochre (limonite) fracture surfaces. Grey clayey gouge near lower contact. Poor core recovery, RQD. Friable to blocky broken core throughout. Sharp upper contact at CA 55°. Sharp lower contact at CA 85°.
L	4.73	5.23		Ø13	5BØ	(1ØQ#: 5BØ2) 75:2Ø:Ø5 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2.

DDH 90.D.Y.-07 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Strongly calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and (rare) pyrrhotite as euhedral cubes. Very good core recovery, RQD. Sharp upper contact at CA 85°. Fairly sharp lower contact at CA 70°.
						Medium to dark grey more carbonaceous unit is less calcareous, softer and have gradational contacts with 5BØ.
						White to buff quartz-calcite bands or concordant veins subparalleling S_2 are moderately calcareous, hard, contain olive green-grey Mg-chlorite and have sharp contacts with 5BØ, 5BØ2. Some black Fe-chlorite contained with olive green Mg-chlorite.
L	523	544		ØØ14	5BØ2	
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture and rusty ochre (limonite) surfaces. Moderately soft to soft. No sulphides. Very good to good core recovery. Fair to poor RQD. Blocky core at 51.9-52.5 with limonite fractures. Fairly sharp upper contact at CA 75°. Sharp lower contact with 10Ø at CA 80°.
L	544	571		Ø1.5	1ØQ+	(5BØ2) 8Ø:2Ø
						White-buff ± ochre quartz-calcite ± limonite bands or concordant veins subparallel S_2. Moderately calcareous PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Hard. No sulphides. Good core recovery. Poor to fair RQD. Sharp upper contact at CA 80°. Sharp lower contact at CA 75°.
+						Dark grey carbonaceous phyllite sub-unit is weakly calcareous. PS_2 foliated, moderately soft to soft and has sharp contacts with 10Øft. Dark grey fracture surfaces

DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	57 1	58 7		Ø1.6	5BØ	BROKEN FRIABLE TO BLOCKY CORE.
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and (rare) ochre (limonite) fracture surfaces. Friable to blocky broken core. Fair core recovery. Poor RQD. Sharp upper and lower contacts parallel S_2.
L	58 7	59 8		Ø1.7	5BØ2	
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair RQD. Sharp upper contact parallel S_2. Gradational lower contact.
L	59 8	62 2		Ø1.8	5BØ2	(1ØQ#) 8Ø:2Ø
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. RQD. Gradational upper and lower contacts parallel S_2.
L	62 2	96 8		Ø1.9	5BØ	(5BØ2:1ØQ#:5BZØ) 8Ø:1Ø:Ø8:Ø2
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and (rare) ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤4mm). Very good core recovery. Good RQD. Blocky core at 8Ø.9-81.1. Grada-

DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						tional upper contact parallel S_2. Sharp lower contact at @ 90°.
						Dark grey 5B02 and 5B20 subunits have buff white carbonate-quartz laminae/
						bands following S_1/S_2, are calcareous, CS_2 and PS_2 foliated, moderately soft and have
						gradational contacts with 5B0 parallel S_2.
						White-buff quartz-calcite ± dolomite bands or concordant veins are moderately calcareous
						hard, contain wisps of olive-green-grey Mg-chlorite and lesser black Fe-chlorite, and have
						sharp contacts with 5B0, 5B02 and 5B20.
L	9,68	9,73		020	5B0	BLOCKY TO FRIABLE BROKEN CORE.
						Light to medium grey with buff white carbonate-quartz laminae/bands following S_1/S_2.
						Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately
						soft to soft. No sulphides. Fair core recovery. Poor RQD. Blocky to friable broken core
						with grey clayey gouge near upper contact. Sharp upper and lower contacts at @ 80°
						parallel S_2.
L	9,73	10,03	021		5B6	(5B62) 90:10
						Light to medium grey with buff white carbonate-quartz laminae/bands following S_1/S_2.
						Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately
						soft. Trace disseminated pyrite. Good core recovery, RQD. Gradational upper and lower
						contacts.
						Medium to dark grey meta-carbonaceous subunit is calcareous, softer and
						has gradational contacts with 5B6.

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1030	1085		022	5B0	(100#) 95:05 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite as euhedral cubes (≤1mm). Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. Grey clayey fault gouge at 105.05-105.15. at ∠ 45°. White-buff quartz-calcite bands or concordant veins subparallel S_2 are calcareous, hard and have sharp contacts with 5B0.
L	1085	1096		023	5B6	(100#) 80:20 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational contacts parallel S_2. White-buff quartz-calcite bands and concordant veins subparallelling S_2 are calcareous, hard, pyritiferous, Mg-chlorite bearing and have sharp contacts with 5B6.
L	1096	1212		024	5B0	(100#: 5B02) 98:02:02 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤3mm). Very good core recovery. Good RQD. Gradational upper contact and lower contact. White-buff quartz-calcite bands or concordant veins subparallelly S_2 are calcareous, hard and have sharp contacts with 5B0.

DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliation. Dark and silver grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite. Gradational contacts with 5B0.
L	1215	1242		025	5B6	(100#) 90:10
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparallel to S_2 is calcareous, hard, contains wisps of olive green grey Mg-chlorite and has sharp contacts with 5B6.
L	1242	1300		026	5B0	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
L	1300	1329		027	5B62	(100#s) 70:30
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Some carbonaceous material (organic "trash", not graphite). No sulphides.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						White-buff cream quartz-calcite-dolomite bands or concordant veins subparallel S_2. Weakly calcareous. Hard. Contain wisps of olive green-grey Mg-chlorite. Sharp contacts with 5B62.
L	1,3,29	1,3,79		Ø28	5B6	(5B62: 100#) 90:06:04
						Light to medium grey with buff white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and FS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery (some core loss at 133.3-135.9). Fair to poor RQD. Gradational upper contact. Sharp lower contact at ct80° & Broken core at 133.5-135.9.
						Medium to dark grey with buff white carbonate-quartz laminae/bands following S_1/S_2. Submit is non-calcareous, carbonaceous, softer and has gradational contacts with 5B6.
						White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard, contain wisps of olive green-grey Mg-chlorite, and have sharp contacts with 5B6, 5B62.
L	1,3,79	1,4,53		Ø29	5BØ	(100#) 98:02.
						Light to medium grey with buff white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and FS_2 foliated. Silvery grey. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Sharp upper contact at Ct80°. Sharp lower contact marked by quartz-calcite band or concordant vein at Ct70°.
						White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard and have sharp contacts with 5BØ.
L	1453	1493		Ø30	5B6	(5B62: 100#) 70:20:10

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Medium to light grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery to dark grey fractures. Moderately soft to soft. Trace disseminated pyrite. Good core recovery. Fair to poor RQD. Sharp upper and lower contacts marked by quartz-carbonate bands or concordant veins subparallel S_2. Broken core throughout
						Medium to dark grey more carbonaceous sub-unit has carbonate-quartz laminae/bands following S_2, has dark grey fracture surfaces, is softer and has gradational contacts with 5B6. Non-calcareous.
						White-cream buff quartz-dolomite-calcite bands or concordant veins are weakly calcareous, hard, contain wisps of olive green Mg-chlorite ± fuchsite(?), contain trace disseminated pyrite and have sharp contacts with 5B6, 5B62.
L	149.3	150.6		Ø31	5BØ2	(1ØQ$) 6Ø:4Ø
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrite as euhedral cubes (≤ 10mm). Good core recovery. Fair to poor RQD. Blocky to friable broken core at 149.4-149.9. Sharp upper contact subparallel S_2 marked by quartz-dolomite band or concordant vein. Gradational lower contact parallel S_2.
						White-cream buff quartz-dolomite ± calcite bands or concordant veins are weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and make sharp contacts with 5BØ2.
L	150.6	152.4		Ø32	5BØ	(1ØQ#) 98:Ø2
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Good core recovery. Fair to poor RQD. Blocky to friable broken core at 151.2-152.4, 152.6-153.3. Gradational upper and lower contacts parallel S_2. White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain wisps of olive green-grey Mg-chlorite and black Fe-chlorite and have sharp contacts with SBØ.
L	152.4	152.8		Ø32	SBØ2	Medium to dark grey with carbonate-quartz laminae and bands following S_2. Calcareous and weakly carbonaceous (with no graphite). PS_2 foliated. Soft to moderately soft. Good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
L	152.8	155.Ø		Ø33	SB6$	(1ØQ#) 9Ø:1Ø Light to medium grey with buff-white ochre carbonate-quartz limonite laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Broken core at 152.8-153.3. White-buff quartz-calcite bands or concordant veins subparallell S_2 are moderately calcareous, hard, contain wisps of olive green-grey Mg-chlorite and black Fe-chlorite.
L	155.Ø	159.2		Ø34	SBØ	WEAKLY LIMONITIZED. Light to medium grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Moderately soft to soft. Vuggy at 158.7. Limonitized (after pyrite?). Good core recovery. Poor RQD. Blocky to friable broken core at 156.6-159.2.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1592	1601		035	5B02	LIMONITIZED. Medium to dark grey with buff-white laminae/bands following S_1/S_2 and ochre (limonite) fractures. Weakly calcareous and carbonaceous. CS_2 and PS_2 foliated. Moderately soft to soft. Limonitized (after pyrite?). Silvery grey, dark grey and ochre (limonite) fracture surfaces. Good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2. Blocky core throughout. Oxidizing waters moved through unit.
L	1601	1641		036	5B00	WEAKLY LIMONITIZED. Light to medium grey with buff-white laminae/bands following S_1/S_2 and ochre (limonite) fractures subparallel S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 4 mm). Very good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
L	1641	1652		037	5B02	(100#) 70:30. WEAKLY LIMONITIZED. Medium to dark grey with buff-white±ochre carbonate-quartz±limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery to dark grey and ochre (limonite) fracture surfaces. Moderately soft and soft. No sulphides but cubiform vugs in quartz, limonite suggest limonite is likely after pyrite. Good core recovery. Fair RQD. Blocky core at 1641 – 1645. Gradational upper and lower contacts parallel S_2. White-buff-ochre quartz-calcite-limonite bands or concordant veins subparalleling S_2 are calcareous, hard, vuggy (limonite after pyrite), contain wisps of olive-green-grey Mg-chlorite, and have sharp contacts with 5B02.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	165 2	173 5		Ø38	5B6Ø	(5BØ) 95:Ø5 WEAKLY LIMONITIZED. Light to medium grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Non-calcareous, for the most part. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Non-calcareous subunit is similar to the above.
L	173 5	175 5		Ø39	5BØ1	(5BØ2) 98:Ø2 WEAKLY LIMONITIZED. Light to medium grey with buff-white-ochre carbonate-quartz-limonite laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft. Trace disseminated pyrite and (trace) pyrrhotite (first occurrence in hole), pyrrhotite rim-replaces pyrite in euhedral cubes. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. More carbonaceous subunit is dark grey, softer and has gradational contacts with 5BØ.
L	175 5	176 4		Ø4Ø	5BØ2	VERY WEAKLY LIMONITIZED. Medium to dark grey with buff-white carbonate-quartz following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and occasional ochre (limonite) fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
L	176 4	176 7		Ø41	5B2Ø	VERY WEAKLY LIMONITIZED. Dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcareous. Fairly carbonaceous with weak graphite (stained fingers). CS_2 and PS_2 foliated. Silvery dark grey and ochre (limonite) fracture surfaces. Soft. No sulphides. Fair core recovery. Fair to poor RQD. Gradational upper and lower contacts parallel S_2
L	17.67	20.14		042	5B.0	(100#&$) 90:10 NON-LIMONITIZED. Light to medium grey with buff-white carbonate-quartz laminae/bands following $S_1//S_2$. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite euhedral cubes (≤ 4mm) and (rarer) pyrrhotite subhedral (pyrite?) pseudomorphs (≤ 5mm). Very good core recovery, RQD. Gradational upper contact parallel S_2. Sharp lower contact at ∠80°, marked by quartz-calcite band or concordant vein. White-buff ± cream quartz-calcite ± dolomite bands or concordant veins subparallelling S_2 are moderately to weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and lesser black Fe-chlorite and have sharp contacts with 5B0.
L	20.14	20.82		043	5B.6$	(100$) 97:03 Light to medium grey with cream-white carbonate-quartz laminae/bands following $S_1//S_2$. Non-calcareous matrix. PS_2 and (lesser) CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. White-cream quartz-dolomite bands or concordant veins subparallelling S_2 are weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and have sharp contacts with 5B6

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	2080 2099			044	5B02	&5B0. Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2. Some less carbonaceous material.
L	2099 2120			045	5B62	(100%) 60:40 Medium to dark grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-cream quartz-dolomite bands or concordant veins subparallelling S_2 are weakly calcareous, hard, contain olive green Mg-chlorite and have sharp contacts with 5B62.
L	2120 2153			046	5B6$	(100%) 70:30 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-cream to buff quartz-dolomite ± limonite bands or concordant veins subparallelling S_2 are weakly calcareous, hard and contain wisps of olive green-grey Mg-chlorite. Possible ankerite (weakly calcareous, yellowish-buff colour carbonate). Sharp contacts with 5B6.

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Code	From	To	Recov.	No.	Unit	Description
L	215.3	218.4		Ø47	5B6$	(1ØQ#) 95:Ø5 BLOCKY TO FRIABLE BROKEN CORE. Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Fair to poor core recovery. Poor RQD. Blocky core at 215.3-215.7, 218.2-218.4. Friable core at 215.7-218.2. Gradational upper contact parallel S_2. Sharp lower contact at CA 8Ø°. Mislatch at 217.7 (approx.), resulting in a loss of 3' of core). White-buff quartz-calcite bands or veins are hard, calcareous and have sharp contacts.
L	218.4	222.4		Ø48	5BØ	(5BØ2:1ØQ#) 99:Ø1:TRACE. Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to weakly calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤5mm). Good core recovery. Fair RQD. Sharp upper contact at CA 8Ø°. Gradational lower contact. Darker grey, softer more carbonaceous units have gradational contacts with 5BØ.
L	222.4	223.3		Ø49	5BØ	BLOCKY BROKEN CORE. Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Soft to moderately soft. No sulphides. Fair core recovery. Poor RQD. Sharp upper and lower contacts parallel S_2.
L	223.3	227.7		Ø5Ø	5B6$	(1ØQ$) 95:Ø5. Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 1mm), sometimes following bands. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						White-cream quartz-dolomite bands or concordant veins subparallelling S_2 are weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and have sharp contacts with 5B6.
L	2277	2295		0051	5B0	(10Q#) 96:04
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain wisps of black Fe-chlorite and have sharp contacts with 5B0.
L	2295	2329		0052	5B6	(10Q: 5B26) 90:09:01
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair to poor RQD. Gradational contact parallel S_2. Sharp lower contact parallel S_2 marked by quartz band or concordant veins.
						White, hard quartz bands or concordant veins have olive Mg-chlorite and sharp contacts.
						More carbonaceous sub-unit is darker, softer and has gradational contacts with 5B6.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	2329	2358		053	5B0	(100%) 90:10 FRIABLE TO BLOCKY BROKEN CORE. Light to medium grey with buff-white carbonate (calcite?)-quartz laminae/bands following S_1/S_2. Weakly calcareous, PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Poor core recovery (core loss at 233.5-235.0), RQD. Friable to blocky broken core at 232.9-237.2. Sharp upper and lower contacts parallel S_2 with upper contact marked by quartz-dolomite band or concordant vein. White-cream quartz-dolomite bands or concordant veins subparallel S_2 are weakly calcareous, hard and have sharp contacts with 5B6.
L	2358	2377		054	5B6$	Light to medium grey with cream-white carbonate (dolomite?)-quartz laminae/bands following S_1/S_2. Non-calcareous, PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Good core recovery. Fair RQD. Sharp upper and lower contacts parallel S_2.
L	2377	2391		055	5B6$	FRIABLE TO BLOCKY BROKEN CORE. Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Poor core recovery (core loss at 237.1-238.7). Poor RQD. Sharp upper and lower contacts parallel S_2.
L	2391	2439		056	5B6$	Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft

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Code	From	To	Recov.	No.	Unit	Description
						to soft. Very good core recovery. Good RQD. Sharp upper contact parallel S_2. Gradational lower contact.
L	243.9	244.7		057	5B62	(10Q) 9Ø:1Ø Medium to dark grey with cream-white carbonate(dolomite?)-quartz laminae/bands following S_1/S_2. Non-calcareous. Silvery grey fracture surfaces. Moderately soft to soft. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Weakly carbonaceous. White-cream quartz-carbonate(dolomite?) band or concordant vein subparallel S_2 is weakly calcareous, hard and has sharp contacts with 5B62.
L	244.7	249.1		058	5B6	(10Q$) 7Ø:3Ø Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. Silvery grey fracture surfaces. Moderately soft to soft. Good to poor core recovery (core loss at 245.1-246.3 or 246.3-248.4). Good to poor RQD. Friable to blocky broken core at 245.1-246.3. Gradational upper and lower contacts parallel S_2. White-cream quartz-dolomite bands or concordant veins are weakly calcareous, hard, contain wisps of olive-green-grey Mg-chlorite, and have sharp contacts with 5B6.
L	249.1	252.Ø		059	5BØ	Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 and CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite as euhedral cubes (≤ 6mm) in quartose

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Code	From	To	Recov.	No.	Unit	Description
						pods elongate parallel S_2. Quartz-carbonate veins crosscutting S_1, S_2 also present. Very good core recovery, RQD. Gradational upper and lower contacts parallel S_2.
L	252Ø	2541		Ø6Ø	5B6	&$
						Light to medium grey with buff/cream-white carbonate (calcite ± dolomite) - quartz laminae/bands following S_1/S_2. Weakly to non-calcareous. PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
L	2541	2651		Ø61	5BØ	(1ØØ#) 99:Ø1
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and (rare) pyrrhotite as euhedral cubes and deformed cubes within quartzose lenses elongate/parallel S_2. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contains olive grey-grey Mg-chlorite and have sharp contacts with 5BØ.
L	2651	2656		Ø62	5B6	&$
						Light to medium grey with cream-white laminae/bands following S_1/S_2. Non-calcareous PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational contacts parallel S_2.

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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	265 6	266 3		Ø63	1ØQ$	
						White-cream quartz-dolomite band or concordant vein subparallel S_2 is very weakly calcareous, hard, contains black Fe-chlorite (265.8-265.9) and has sharp upper (@ 6Ø°) and lower (@ 7Ø°) contacts with phyllitic units.
L	266 3	275 3		Ø64	5B6	$(1ØQ$:5B62:1ØQ#$) 8Ø:1Ø:Ø8:Ø2
						Light to medium grey with cream-white dolomite-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite. Sharp upper contact at @ 6Ø°. Gradational lower contact.
						White-cream ± buff quartz-dolomite ± calcite bands or concordant veins subparallel to S_2 are weakly to moderately calcareous, hard, contain olive-grey Mg-chlorite and black Fe-chlorite and have sharp contacts with 5B6, 5B62
						Medium to dark grey more carbonaceous subunits are non-calcareous, softer and have gradational contacts parallel S_2 with 5B6, 5B62 (sharp contacts with 1ØQ$, 1ØQ#$)
L	275 3	276 5		Ø65	5BØ	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2.
L	276 5	286 3		Ø66	5B6	&$ (1ØQ$:5B62:1ØQ#$) 8Ø:1Ø:Ø8:Ø2

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Code	From	To	Recov.	No.	Unit	Description
L	286.3	287.4				Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets crosscutting S_1, S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Moderately soft. Trace disseminated pyrite as euhedral cubes. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp curvilinear lower contact with 5C6. White-cream ± buff quartz-dolomite ± calcite bands or concordant veins subparallelling S_2 are weakly to moderately calcareous, hard, contain wisps of dive grey Mg-chlorite and black Fe-chlorite, and has sharp contacts with 5B6, 5B62. Dark to medium grey slightly carbonaceous sub-unit is non-calcareous, softer and has gradational contacts with 5B6 (sharp contacts with 10Q$, 10Q#$).
L	286.3	286.8		067	5C6	(5B86) 65:35 Medium to light grey f.g., aphanitic, non-calcareous groundmass supports white m.g. subhedral (leucoxene?) phenocrysts and black m.g. subhedral (amphibole or pyroxene?) phenocrysts with relict porphyritic igneous texture at 286.3-286.4 and 286.6-286.8. Black chloritic phyllite occurs at 286.4-286.6. Finer-grained chill margins with finer-grained phenocrysts occur near contacts (286.3, 286.6). Moderately hard. Dark grey to black chloritic phyllite sub-unit is non-calcareous, CS_2 and PS_2 foliated, soft and has sharp curvilinear contacts with 5C6.
L	286.8	290.1		068	5B6	(5B62) 95:05 Light to medium grey with buff-white laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Fair core recovery. Fair to poor RQD. Blocky core at 287.4-287.7, 288.0-288.2. Sharp upper contact

DDH 90DY-07 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 29/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						at CA80°. Sharp lower contact at CA90°.
						Dark grey more carbonaceous submit is non-calcareous, softer and has gradational contacts with 5B6.
L	290 1	290 4		069	5B6	BLOCKY BROKEN CORE. CLAYEY GOUGE.
						Light grey fg aphanitic clayey gouge is non-calcareous, soft and has sharp upper (CA90°) and lower (CA60°) contacts. Fair to poor core recovery. Poor RQD. Blocky broken core with clayey gouge.
L	290 4	299 5		070	5B6	(100#$:5B62) 85:14:01
						Light to medium grey with cream-white laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2 at low CA angle (CA0°-10°). Non-calcareous. C_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and (rare) pyrrhotite as euhedral cubes (pyrite) and pseudomorphic cubes (pyrrhotite). Very good core recovery. Good to fair RQD. Sharp upper contact at CA60°. Gradational lower contact. Blocky core at 296.0-296.2, 297.8-298.0
						White-buff-cream quartz-calcite-dolomite bands or concordant veins sub-parallelling S_2 are weakly to moderately calcareous, hard, contain olive-grey Mg-chlorite and black Fe-chlorite wisps and have sharp contacts with 5B6.
						Dark grey more carbonaceous submit is non-calcareous, softer and has gradational contacts with 5B6 (sharp contacts with 100#$).
L	299 5	305 9		071	5B10	(100#) 95:05

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 29/91 Logged By: D. Halliwell

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

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan 29/91 Logged By: D. Halliwell

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	3113	3126		0074	5B02	BLOCKY BROKEN CORE. WEAKLY LIMONITIZED. Dark to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and ochre (limonite) fracture surfaces. Moderately soft to soft. Weakly carbonaceous. Fair core recovery. Poor RQD. Sharp upper (CA80°) and lower (CA90°) contacts. Weakly limonitized blocky broken core.
L	3126	3353		0075	5B0	(10Q#:5B02) 80:10:10 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2 at low CA angles (CA0°-30°). Moderately calcareous CS_2 and PS_2 foliated. Moderately soft. Trace disseminated pyrite and pyrrhotite as euhedral cubes and rhombs. Very good core recovery. Good RQD. Sharp upper and lower contacts at CA90°. White-buff quartz-calcite bands or concordant veins subparallel S_2 are calcareous hard, contain rare wisps of black Fe-chlorite and have sharp contacts with 5B0. Darker grey more carbonaceous sub-unit is calcareous, softer and have gradational contacts with 5B0 (sharp contacts with 5B0).
L	3353	3357		0076	5B0	BLOCKY BROKEN CORE. Light to medium grey blocky broken unit. Calcareous. Soft to moderately soft. No gouge. Sharp upper (CA90°) and lower (CA60°) contacts.
L	3357	3465		0077	5B0	(5B02) 85:15

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Jan. 29/91 Logged By: D. Hallinell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrite and pyrrhotite as euhedral cubes and rhombs. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Darker grey more carbonaceous sub-unit is softer and has gradational contacts with 5BØ.
L	3465	3642		Ø78	5BØ	(5BØ2:10#) 98:Ø2:TRACE Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous (locally etched quickly by 10% HCl acid). CS_2 and PS_2 foliated. Moderately soft. Trace disseminated (fine) pyrite (euhedral cubes and deformed cubes = rhombs ≤ 3mm) and pyrrhotite (euhedral pseudomorphs of pyrite); pyrrhotite rim replacement of pyrite occurs. Very good core recovery. Good RQD. Gradational contacts parallel S_2. Silvery grey fracture surfaces. Medium to dark grey more carbonaceous sub-unit is calcareous, softer and has gradational contacts with 5BØ. White-buff quartz-calcite band or concordant vein subparalleling S_2 is moderately calcareous, hard and has sharp contacts with 5BØ.
L	3642	3673		Ø79	5BØ	→5FØ (10Q#) 9Ø:1Ø Light to medium grey with olive greenish tinted bands with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 and CS_2 foliated. Silvery to olive green grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-buff quartz carbonate bands (veins?) are calcareous, hard and have sharp contacts

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	3673	3721		Ø8Ø	5BØ	→5FØ (5BØ2) 7Ø:3Ø Light to medium grey with olive greenish tint (bands) and buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey and olive greenish grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2. Medium to dark grey more carbonaceous subunit is calcareous, softer and has gradational contacts with 5BØ.
L	3721	3748		Ø81	5BØ2	(1ØØ#) 95:Ø5 Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. Trace disseminated pyrrhotite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain wisps of olive-green-grey Mg-chlorite and black Fe-chlorite, and have sharp contacts with 5BØ2.
L	3748	3775		Ø82	5B6	(5B62) 9Ø:1Ø Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. No sulphides. Medium to dark grey more carbonaceous subunit is non-calcareous, softer and has gradational contacts with 5B6.

DDH 10DY-07

CURRAGH RESOURCES INC.

Lithologic Log

ore

Date: Dec '90 Logged By: J. Zechnall

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	377.5	379.7		0835	B628	Shear.
						Medium to medium dark gray, moderately to weakly dolomitic phyllite contains a very well healed, moderately strong shear fabric. Fabric orientation is generally 75° to core axis and also appears parallel to subparallel S_2. Shear fabric hosts 5-7% dolomite and quartz fragments 2-4mm wide, within a moderate PS_2 foliation. Unit is weakly carbonaceous. Rock is slightly soft, core is slightly broken with 100% recovery. Upper contact is sharp and parallel S_2. Lower contact is also sharp and defined by a second shear fabric orientation. Second shear fabric crosscuts the fabric within this unit. Second fabric is related to fault zones below (380.4 - 385.9). Lower contact is oriented at 235°/40° relative shear fabric (PS_2) of this unit. Second shear fabric occurs in a 10cm band.
	379.7	380.4		0884	5A*	(?)
						Very dark gray to black, moderately to weakly dolomitic phyllite is moderately to strongly carbonaceous. Fracture surfaces moderately tarnish fingers very dark gray to black. Unit contains a strong shear fabric which is well healed, somewhat irregular in orientation (strike and dip) but generally is oriented 75° to core axis. Shear fabric is defined by 20-25% .75 x 3-4 cm quartz

DDH 10PY-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Zbietnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						vein fragments 2-5% dolomite fragments and rare bands of 4LO => 5DO (?). Ground core and irregular fabric will not permit and orientation with upper unit. Rock is slightly hard, moderately to slightly broken, recovery is very good (100%). Upper contact is sharp; lower contact is also sharp but fabric is contorted into an orientation parallel fault fabric of lower unit: 25° FCA.
	380.4	381.8		Ø85	4LO	$(5AO) 70:30 FAULT
						Buff yellow, very weakly dolomitic unit supports a mylonitic texture generally oriented 75-80° to core axis (// S_2 (?)). Over printed on the mylonitic fabric is an irregular fault fabric which is poorly healed to open and also defines internal contacts with 5AO. FAULT fabric generally trends at 090°/10° to 20° relative mylonitic texture; although, minor aberations in trend are very common. Both 4LO and 5AO units are commonly moderately hard, locally very soft. Core is generally moderately broken locally approching crushed but still intact. Upper and lower contacts are sharp.
						1cm clotts of very fine grained sulphides are rare and Py dominant.

DDH 90DX-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: S Zbetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	381.8	384.7		Ø816	ALQ	$4 ± FAULT Slips. (10@$@4) 90:10
						Butt to slightly greenish yellow unit is weakly dolomitic, generally PS2 foliated rare. Cjg. Unit hosts 10% 15-30 cm quartz-ankerite-dolomite(?) quartz veins; vein orientation is highly irregular varing from sub parallel to subperpendicular core axis. Veins commonly have an association with mineralized carbonate clots 1x2cm upto 5x2cm in diameter. Carbonate clots are highly irregular, white hard (ankerite(?)) and are composed of same material as lower unit. Mineralization within ALQ and carbonate clots are pyrite dominate, very fine grained and occur in wisps of contoured stringers that as a whole are variable but do locally define some sort of fabric? Rock varies from very soft to rarely moderately hard. Core is generally strongly to very strongly broken, quartz veins are intact to slightly broken. Upper and lower contacts are sharp and broken.
						Sporadic fault slip planes are highly variable and consist of 1-2cm of crushed rock and gouge.
	384.7	385.1		Ø817	ALK@$	4
						Carbonate band is white slightly soft to slightly hard, very weakly reactive when ground and introduced to 20% HCl (ankerite). Unit hosts 10% very fine grained pyrite dominant sulphide stringers. Stringers are moderately

DDH 10DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '90 Logged By: J. Zedeff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contorted but do trend roughly at 10° to core axis. Upper contact is sharp and broken. Lower Contact is oriented at 055°/35° relative lower units PS_2 fabric. Mineralized stringers are oriented 085°/10° relative lower contact.
	385.1	387.2		088	ALOS	4 (404) 95:05
						Buff to greenish yellow, moderately dolomitic, PS_2 foliated and contains sporadic weak mineralization. Mineralization is Py dominant very fine grained and occcurs in wisps and bands (≤1.0cm) parallel S_1. CS_2 fabric is rare. Rock is moderately to slightly soft. Core is moderately broken with good recovery. Upper contact is sharp, defined by carbonate band and oriented at 055/35° relative PS_2. Lower contact is fault bound and oriented at 090/10 relative PS_2.
						Interval supports 5% hard massive buff colored bands interpreted to be 404.
	387.2	388.4		089	ALOS	# FAULT (4EO) 90:10
						Light gray moderately dolomitic locally weakly calcareous unit hosts remobilized mineralization and

DDH TDDY-07

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Dec '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fragments - blocks of 4EO. Mineralization is variable in occurance from stringers to disseminated clots with crude irregular banding. Shear planes are common and generally trend subparallel core axis. Shear planes are generally 0.5 - 2.5 cm wide. Rock varies from soft to very slightly hard. Core is strongly broken with good recovery. Upper contact is oriented 090°/10° relative PS_2 of upper unit. Lower contact is broken. ESTIMATED GRADE is <5% Pb+Zn.
	388.4	390.1		090	4EO$	(4LO$) 90:10 Brassy yellow weakly dolomitic unit hosts 10% bands and stringers of 4LO which do not exceed 10cm in width. 4LO when occurs as stringers are 1.0 cm wide and oriented slightly oblique to core axis. Interval also contains a fracture pattern that is slightly oblique to core axis. 4EO consists of 60-70% pyrite and Pb-Zn mineralization is exceptionally difficult to see within fine grained Py. Rock is hard, moderately locally very strongly broken. Recovery is good. Upper contact is broken, lower contact is sharp, partially broken and parallel crude banding.

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '92 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	390.1	393.4		09.1	AEO	
						Brassy yellow very fine grained unit is crudely banded (75-80° TCA). Bands are cm-scale intervals which host less pyrite (30%) within massive pyrite unit. Interval is commonly fractured with trend slightly oblique to core axis. Rock is hard moderately to strongly broken. Upper and lower contacts are sharp and parallel banding. Grade is very difficult to estimate and could vary from <5% upto 15% ?
	393.4	407.1		09.2	ALO*	(ALO) 98:02
						Well banded quartzite is medium gray and brassy yellow, generally weakly to moderately calcareous and banded on the 1.0-2.0 cm scale. ALO occurs in 0.5-1.0 cm bands in localized clusters 10's of cm wide. ALO concentrations occur at: 396.7-397.0, 398.6-398.8, 403.9-404.2, 404.8-405.1, 405.1-405.2, 405.4-405.8. Unit hosts a 8 cm crushed and gouged zone at 405.7-(ALO). FAULT is oriented parallel banding. Rock is hard, generally strongly broken rarely moderately broken. Recovery is good. Upper and lower contacts are parallel banding. Banding is consistantly oriented 75-80° to core axis. Est grade is ≤5 %

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '90 Logged By: J. Zecevich

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	407.1	409.4		093	4L14	(5B61). 80:20.
						Medium to light gray rock is non-calcareous and well banded on the cm-scale. Unit hosts 0-7% pyrite and sporadic cm scale bands of strong Sph. mineralization. Interval also contains 4L0# which is moderately to weakly calcareous, yellow-green, soft and occurs most commonly on the cm scale bands, rarely in bands upto 30cm. 4B04 is hard. Interval is moderately to slightly broken with good recovery. Upper and lower contacts are sharp and parallel banding. Banding is consistently 80-75° to core axis.
	409.4	410.0		094	5A69	
						Black non-calcareous phyllite is locally soft, generally hard and hosts 7-10% highly siliceous 3-5 mm bands which contain disseminated Pb, Zn and Fe sulphides. Unit contains a 12-15 cm extremely siliceous band / vein which is weakly calcareous and non-mineralized. Rock is moderately locally strongly broken. Upper and lower contacts are sharp and parallel S_2. Unit is $PS_2 \Rightarrow CS_2$ foliated. Estimated grade is <2% Pb+Zn.

DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: A. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	A10.0	A10.7		095	5A21A	(5A1) 50:50. Carbonaceous interval is highly siliceous throughout, 2-5mm bands of mineralization define a CS_2 fabric. Occasionally mineralized bands host subrounded pyrite grains which mimic buckshot facies ore of FARO DEPOSIT. Mineralized bands contain less than 15% sulphides and are strongly Py dominant. 4B1 occurs only over lowest half of interval. Also contains weakly mineralized bands defining a CS_2 fabric. Unit is highly siliceous throughout and also has a ghosty appearance as does upper graphitic subunit. Unit is medium light gray. All rocks are very hard and slightly broken. All contacts are sharp and parallel S_2. Estimated grade for interval is <2% Pb+Zn.
	A10.7	A13.0		096	5A19	Very dark gray to black graphitic quartzite is moderately siliceous CS_2 foliated and weakly mineralized. Mineralization is limited to 2-5mm bands of very siliceous quartzite. Mineralization is sphalerite dominant. Unit contains 1-2% dolomite stringers and clots which are 2-3mm wide and highly randomly oriented. Rock is hard moderately broken and recovery is good. Upper and lower contacts are sharp and parallel S_2. Estimated grade is 3-5%.

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Date: Dec '90 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	413.0	414.4		Ø97	5A10	9 → 5B61 (5B6) 97:03
						Medium dark gray unit is highly silicous PS_2 foliated, rarely CS_2 foliated. Unit is weakly, rarely moderately carbonaceous and very weakly to non-calcareous. Moderately carbonaceous portions are limited to 2-3mm wisps parallel S_2. Minor bands 3-4% (1-2mm) of phyllite are soft medium gray and only occur oriented parallel S_2 planes. Mineralization is very weak and disseminated in narrow bands commonly parallel S_2. Upper and lower contacts are sharp and parallel S_2. Rock is generally hard with minor wisps of soft rock oriented parallel S_2.
	414.4	416.6		Ø98	5B6	2
						Medium slightly medium dark gray phyllite is non-calcareous and very slightly carbonaceous. Unit contains 2% quartz dolomite veins and veinlets of irregular orientaion. Phyllite and veins host 1% Po grains and clotts which do not exceed 3mm in diameter. Rock is moderately soft, strongly broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Trace quartz-vein-related pyrrhotite-sphalerite-chalcopyrite at 417.7-417.9
						Phyllite hosts no Pb+Zn mineralization, veins rarely contain upto a trace of Pb+Zn mineralization.

DDH 90DX07

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec '90 Logged By: E. Zbetnall

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	416.6	417.3		099	5B6R	(5DO) 98:02.
						Medium gray intensly silicous interval is non-calcareous PS foliated and host 1-2% grainy Py and slightly darker gray wisps (0.5-3mm) which are suspect to contain extremely fine grained Pb+Zn mineralization. Unit hosts 2% 5DO bands and wisps (0.2-1.5 cm) which are in sharp contact with silicous host. Contacts are parallel S_2. Interval contains 5% cm scale clotty quartz-ankerite ± dolomite veins roughly oriented parallel S_2. Rock is very hard, strongly broken with good recovery. Upper and lower contacts are parallel S_2. ESTIMATED GRADE IS < 3% Pb+Zn.
	417.3	418.4		100	4CQ	(4H4: 4LO) 96:03:01
						Medium gray locally slightly brassy yellow-purple non-calcareous quartzite hosts 2-3% quartz ± Fe Mg carbonates and minor 4H4 and 4LO. Interval is moderately well banded at a moderately consistant angle of 80° to core axis.
						4H4 occurs in 5-7 cm bands at the top and bottom of interval. 4LO occurs sporadically in 0.75-1.25 cm bands. Rock is hard moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: Dec '92 Logged By: J. Zbeetnoff / D Hallinwell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	418.4	419.0		101	5B6	12 9
						Light to medium gray intensely siliceous PS_2 foliated unit host 5-10% wisps of carbonaceous material oriented parallel S_2. Unit contains 7-10% irregular quartz-dolomite(?) ankerite(?) veins 1.0-1.75 cm wide. Slightly darker bands with gradational contacts are interpreted to contain very fine grained Pb+Zn mineralization. Rock is very hard, slightly broken with 100% recovery. Upper and lower contacts are sharp and parallel S_2. ESTIMATED GRADE IS NOT EXPECTED TO EXCEED 5-7% Pb+Zn.
L	419.0	421.9		102	5B6	± 1 ± FAULT (4L0:100) 90:04:06
						Light to medium grey with cream-white carbonate (dolomite?)-quartz laminae/bands following S_1/S_2. Non-calcareous matrix. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately hard. Trace disseminated pyrrhotite. Sharp upper contact at @ 90° marked by quartz-calcite band (concordant vein?). Gradational lower contact parallel S_2. Very weakly silicified (homeoatic, hard, smooth).
						Greenish-white talcose fracture zone at 420.0-420.1 is very soft and powdery. Fracture is at @ 50°.
						White ± cream quartz ± dolomite band or concordant vein at 419.0-419.4 is weakly calcareous, hard, contains squarish rings (weathered out pyrite?) and has sharp contacts with 5B6 and 4L0.

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DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
L	4219	4344		103	5B0	(5B01:5B02:5B07) 80:10:08:02 Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Light grey, harder, smoother (silicified) sub-unit occurs at 421.9-427.0. Dark grey weakly carbonaceous sub-unit is softer and has gradational contacts. Olive greenish grey banded chloritic subunit is softer and has gradational contacts.
L	4344	4353		104	5B0	→ 5F0 Light to medium grey with olive greenish tint and buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey to olive greenish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 75°.
L	4353	4354		105	5C0	& 8 Olive greenish grey v.f.g. aphanitic groundmass and f.g. white anhedral (leucoxene?) phenocrysts within relict porphyritic igneous texture. Whole unit is "chill-margin" (i.e. there is no coarser-grained core). Very calcareous. PS_2 foliated. Moderately hard. Olive greenish grey fracture surfaces. No sulphides. Very good core recovery. Good RQD. Sharp upper (CA 75°) and lower (CA 80°)

DDH 90D.Y.-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	1 10 14	16 20	22 24	26 28	30 34	35
L	435.54	435.56		106	5FØ	
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Olive greenish-grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Sharp upper contact at CA8Ø°. Sharp lower fault contact at CA6Ø°.
L	435.56	439.44		107	5BØ	(5EØ: 3DD#) 9Ø:Ø5:Ø5
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous - CS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite as euhedral cubic pseudomorphs. Very good core recovery. Good RQD.
						Silvery grey laminated very calcareous marble sub-unit at 436.8-436.9 is moderately hard and have sharp contacts parallel S_2.
						White-buff quartz-calcite band subparallel S_2 occurs at 439.3-439.4 (lower contact). Contains olive-green-grey Mg-chlorite and black Fe-chlorite wisps.
L	439.44	440.71		108	5BØ	(5BØ2) 9Ø:1Ø
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery. Good RQD. Sharp upper and lower contacts, both at CA8Ø°.
						Medium to dark grey more carbonaceous sub-units are calcareous, softer and has gradational contacts with 5BØ
L	440.71	441.11		109	5FØ	(5CØ) 6Ø:4Ø

C.D.I. 1987 F. 7

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_2. Moderately calcareous. PS_2 foliated. Olive grey-grey fracture surfaces. Moderately soft. No sulphides. Sharp upper and lower contacts, both at CA 80°.
						Metabasite (5CØ) occurs as olive-greenish grey v.f.g. groundmass and whitish anhedral f.g. (leucocene?) phenocrysts within a relict porphyritic igneous texture. Moderately calcareous. Moderately hard. No sulphides. 5FØ-5CØ-5FØ-5CØ-5FØ alternation top to bottom in hole. 5CØ sub-unit has sharp contacts with 5FØ.
L	44.1	446Ø		1.1Ø	5BØ	(5BØ2) 8Ø:2Ø
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous (locally etched quickly by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 80°. Gradational lower contact parallel S_2.
						Medium to dark grey more carbonaceous sub-unit is softer and has gradational contacts with 5BØ.
L	446Ø	4496		1.1.1	5BØ	→ 5FØ (5BØ) 6Ø:4Ø
						Light to medium grey with olive greenish tint and buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 and CS_2 foliated. Silvery to olive greenish-grey fracture surfaces. Moderately soft. No sulphides. Good core recovery. Fair RQD. Gradational upper and lower contacts parallel S_2. Blocky core at 446.2-446.5, 449.1-449.6
L	4496	4538		1.1.2	5BØ	→ 5FØ

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DDH 9ØDY-Ø7

CURRAGH RESOURCES INC.

Lithologic Log

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

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

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
						Dark grey more carbonaceous sub-unit is calcareous, softer and has gradational contacts with 5BØ.
						Bluish grey laminated, very calcareous marbly sub-units occur at 465.8-466.1, 467.15-467.2 and 467.7-468.Ø, 468.Ø5-468.Ø6, 468.1-468.15, 468.2-468.3. These are quickly etched by 10% HCl acid, moderately hard and have sharp contacts parallel S_2 with 5BØ.
L	469.7	471.1		116	5BØ	→ 5FØ (1ØQ#) 95:Ø5.
						Light to medium olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 90% HCl acid). PS_2 foliated. Olive to silvery grey fracture surfaces. Moderately soft. No sulphides. Sharp upper and lower contacts parallel S_2.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain black Fe-chlorite wisps and have sharp contacts with 5BØ.
L	471.1	471.6		117	5EØ	(1ØQ#) 8Ø:2Ø
						Bluish grey, very calcareous, moderately hard unit is PS_2 foliated (laminated), moderately hard, has blue-grey fracture surfaces and has sharp contacts parallel S_2.
						White-buff quartz-calcite bands (concordant veins?) subparallel S_2, are moderately calcareous and hard, and make sharp contacts with 5EØ.
L	471.6	472.8		118	5BØ2	(5B2Ø) 9Ø:1Ø

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Weakly carbonaceous. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair RQD. Sharp upper contact parallel S_2. Gradational lower contact.
						Carbonaceous darker grey subunit is softer and has some graphitic fracture surfaces. Calcareous. Gradational contacts with 5BØ.
L	472 8	507 4		119	5BØ	(5BØ2: 100#) 85:10:05
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately to strongly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite as euhedral cubic pseudomorphs of pyrite. Very good core recovery. Good RQD. Blocky core at 486.5-486.6, 492.6-492.7.
						Darker grey more carbonaceous sub-unit is softer, calcareous and has gradational contacts with 5BØ.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard, contain olive green Mg-chlorite and black Fe-chlorite and has sharp contacts with 5BØ, 5BØ2 subparallel S_2.
L	5074	5082		120	5BØ2	(5BØ) 80:20
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Weakly carbonaceous. Very good core recovery, RQD. Gradational contacts.
						Light to medium grey less carbonaceous sub-unit is calcareous, harder and has gradational contacts with 5BØ2.

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
L	508 2	508 3		121	5E0	Blue-grey with buff-white carbonate quartz laminae following S_2. Very calcareous. PS_2 foliated. Blue-grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Fairly sharp contacts parallel S_2.
L	508 3	521 2		122	5B0	(5B02 : 10Q# : 5E0) 90 : 07 : 03 : TRACE Light to moderate grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper and lower contacts parallel S_2. Blocky core at 318.7–319.1. Moderate to dark grey more carbonaceous subunit is calcareous, softer and has gradational contacts with 5B0. White-buff quartz-calcite bands or concordant veins are moderately calcareous, hard and have sharp contacts with 5B0, 5B02 subparallel S_2. Blue-grey (with buff-white laminae parallel S_2) marble subunit is very calcareous, moderately soft and has fairly sharp contacts with 5B0, 5B02 parallel S_2.
L	521 2	521 5		123	5B0	→ 5F0 Olive greenish-grey with buff-white laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive green to silvery grey fracture surfaces. Moderately soft to soft. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 80°.

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	521 5	521 8		124	5C8	
						Olive greenish grey vf.g. aphanitic groundmass, white f.g. anhedral (leucoxene?) phenocrysts and dark grey f.g. subhedral (amphibole or pyroxene?) phenocrysts. Relict porphyritic igneous texture is overprinted by carbonate-quartz and chlorite bands parallel S_2. Moderately calcareous. PS_2 foliated. Moderately hard. Olive greenish grey. Very good core recovery, RQD. Sharp contacts parallel S_2.
L	521 8	522 Ø		125	5FØ	
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Olive greenish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA70°. Gradational lower contact.
L	522 Ø	524 Ø		126	5BØ	(5EØ) 90:10
						Light to medium grey with buff-white carbonate-quartz laminae/bands parallel S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
						Blue-grey with buff-white carbonate-quartz laminae parallel S_2. Very calcareous. PS_2 foliated. Bluish grey fracture surfaces. Moderately soft. Very good core recovery, Good RQD. Gradational upper and lower contacts parallel S_2.
L	524 Ø	524 2		127	5BØ2	

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery; RQD. Gradational upper and lower contacts parallel S_2.
L	5242	531Ø		128	5BØ	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Blocky to friable core at 525.2-525.5, 525.7-525.8, 526.Ø-526.8. Gradational upper and lower contacts parallel S_2.
L	531Ø	5341		129	5FØ	(5BØ2 : 5FØ → 5DØ) 9Ø:Ø8:Ø2
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. PS_2 foliated. Olive greenish grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Good core recovery (some core loss at 531.6-531.9). Poor RQD. Blocky core at 531.1-532.2, 533.Ø-533.7. Gradational upper contact parallel S_2. Sharp lower fault contact at CA75°. Locally more chloritic (olive green), as 5FØ → 5DØ. Dark grey weakly carbonaceous sub-unit is calcareous, moderately soft and have gradational contacts with 5FØ.
L	5341	5368		13Ø	5CB5	
						Olive greenish grey with buff-white carbonate-quartz laminae/bands following S_1/S_2.

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
						Moderately calcareous. PS_2 and CS_2 foliated. Olive greenish grey fracture surfaces. Moderately hard. No sulphides. Banding/laminations overprint relict porphyritic igneous texture including white fg. anhedral (leucoxene?) phenocrysts and dark grey fg subhedral (amphiboles, pyroxenes?) phenocrysts set in a green-grey vfg. aphanitic groundmass. Good core recovery. Fair to poor RQD. Blocky core at 535.8–536.2. Sharp upper fault contact at CA 75° with clayey fault gouge (2mm wide). Sharp lower contact at CA 70°.
L	536.8	537.0		131	5F0	
						Olive greenish grey with buff white laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Olive greenish grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery. Fair to poor RQD. Sharp upper contact at CA 70°. Gradational lower contact parallel S_2.
L	537.0	539.4		132	5B0	(5B0 → 5F0) 90:10.
						Light to medium grey with buff white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery. Good RQD. Gradational upper and lower contacts. Locally, olive-greenish grey submit is softer, chloritic, calcareous and has gradational contacts with 5B0.
L	539.4	540.0		133	5G0	
						Light to medium grey with buff white carbonate-quartz laminae/bands following

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						S_1/S_2. Moderately calcareous. PS_2 foliated. Grey fracture surfaces. Moderately hard. No sulphides. Banding/lamination overprints relict porphyrytic igneous texture including white and dark grey phenocrysts set within a v.fg. aphanitic groundmass. Very good core recovery. Good RQD. Sharp upper contact at CA 70°; Sharp lower contact at CA 80°.
L	5400	5435		133	5B0	(5B0→5F0: 100%) 90:08:02
						Light to medium grey with buff-white carbonate-quartz lamina/bands following S_1/S_2. Moderately to very calcareous (locally etched quickly by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper contact; Sharp lower contact. Locally olive colouring
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are moderately calcareous, hard and have sharp contacts with 5B0.
L	5435	5449		134	5B0	(100%) 97:03 BLOCKY BROKEN CORE
						Light to medium grey with buff-white carbonate-quartz lamina/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Fair core recovery. Poor RQD. Blocky core throughout.
						White-buff quartz-calcite bands or concordant veins subparallelling S_2 are calcareous, hard, contain olive green Mg-chlorite and black Fe-chlorite, and have sharp contacts with 5B0.
L	5449	5515		135	5B0	(5B02: 5B0→5F0: 5E0) 60:30:05:05

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery. Good to fair RQD. Blocky core at 550.5–551.4, 552.3–552.4 and 553.4–553.9. Gradational upper and lower contacts parallel S_2. Locally, unit becomes more carbonaceous (5B02) or chloritic (5F0). Calcareous. Occasional bluish grey bands < 3mm wide occur (548.45–548.6). Calcareous.
L	555.9	557.0		136	5B02	→ 5B20 Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey and black (graphite) fracture surfaces. Soft and moderately soft. Trace disseminated pyrrhotite. Fair core recovery. Poor RQD. Blocky core at 555.9–556.75. Gradational upper and lower contacts parallel S_2.
L	557.0	558.5		137	5B0	(5E0) 95:05 Light to medium grey with buff-white laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. Bluish grey marbly subunit at 557.1–557.6 is calcareous, moderately soft and has gradational contacts with 5B0 parallel S_2.

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CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	55.85	55.95		138	5B02	
						Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft to soft. No sulphides. Weakly carbonaceous (no graphite seen). Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.
L	55.95	56.05		139	5B01	
						Light to medium grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Gradational upper contact. Sharp lower contact at CA 70°
L	56.05	56.09		140	5E01	(5B01) 70:30
						Bluish grey with dark grey laminae following S_1, S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Bluish grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery, RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA 60°. Open folds seen.
						Light to medium grey calcareous phyllite, as above.
L	56.09	56.37		141	5B01	(5E01) 80:20
						Light to medium grey with buff-white laminae/bands following S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). PS_2 and CS_2 foliated.

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 60°. Fairly sharp lower contact parallel S_2 marked by 5EØ band. Bluish grey bands ≤ 0.1m wide are calcareous, moderately soft and have fairly sharp contacts parallel S_2 with 5BØ.
L	56.37	56.42		142	5BØ2	Medium to dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Very calcareous. CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good to fair RQD. Gradational upper contact. Sharp lower contact at CA 20°.
L	56.42	56.55		143	5B2	BLOCKY TO FRIABLE BROKEN CORE. GRAPHITIC FRACTURES. Dark grey with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Dark grey to black (graphitic) fracture/surfaces. 1-3% graphite. No sulphides. Fair core recovery. Poor RQD. Blocky to friable core throughout. Graphitic fractures at low CA angle (CA 0°-30°). Sharp upper contact at CA 20°. Sharp lower (fault) contact at CA 50°; contact is graphitic. Graphitic fault gouge at 56.5. Graphitic shear at 364.9 is slickensided, slickensides at CA 60°. C-fractures at CA 8° S-fractures at CA 50°.
L	56.55	58.09		144	5BØ	(5BØ2:5EØ:5B2) 75:20:Ø3:Ø2 Light to medium grey with buff-white carbonate-quartz laminae/bands following

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CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						S_1/S_2. Very calcareous (quickly etched by 10% HCl acid). CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper (fault) contact at CA 50°. Sharp lower contact at CA 70°.
						More carbonaceous 5B@2 and 5B2 sub-units are calcareous, are CS_2 and PS_2 foliated, have dark grey to black (graphitic) fracture surfaces, soft and have gradational contacts with 5B@.
						Bluish grey marbly bands are 2-5cm. wide, calcareous, moderately soft and have fairly sharp contacts with 5B@, 5B@2 and 5B2.
L						CONTINUED ON NEXT PAGE

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Zsetnaff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	580.9	583.6		145	5B64	→4LO (5DO : 5B2) 95:03:02
						Medium-light gray slightly greenish non-calcareous to very weakly calcareous phyllite moderately locally strongly altered to muscovite / sericite which gives a 4LO texture locally. Alteration occurs in varying degrees throughout, where most strong occurs in 2-6mm bands and wisps parallel S_2. Unit is very slightly porous PS_2 foliated and hosts minor 5DO and 5B2. 5DO is localized in a 20cm band at the base of the interval. 5B2 occurs throughout as wisps and bands (.3 - 1.5 cm). All contacts are parallel S_2 and are sharp. Rock is moderately soft, strongly broken with good recovery. Upper and lower contacts of interval are sharp and parallel S_2.
	583.6	584.2		146	5B2	(5B62) 60:40
						Unit grades from a medium to medium dark gray 5B62 to a dark gray 5B2 from top of interval to the base. All units are non-calcareous, PS_2 foliated and grades from moderately broken to strongly broken down hole. 5B2 very slightly tarnishes finger medium gray. Interval contains 1-2% quartz stringers of variable orientation with trace Po associated. Rock is moderately soft throughout, recovery is good throughout. Upper contact is sharp and parallel S_2. Lower contact is broken and crushed.

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Date: Dec '90 Logged By: J. Zbednarik

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	584.2	584.6		147	5B6P	FAULT
						Medium to medium dark gray is very strongly crushed and hosts 20% gouge. Interval is weakly calcareous. Upper and lower contacts are crushed - no orientation is available. Recovery is 80%
	584.6	587.4		148	5B4102	# → 4LO (4LO -) 51:49
						Medium dark gray often approaching greenish-buff, weakly calcareous phyllite is weakly carbonaceous where → 4LO alteration is weak. Alteration to 4LO is highly variable throughout with local clots of very strong 4LO alteration common. Interval is generally FS_2 foliated with a moderate to weak brecciated texture overprint. 4LO is often in sharp contact with 5B402 → 4LO by breccia textur. All units are slightly porous, soft and strongly broken. Interval is crushed at 585.4 - 586.1. Recovery is good. Upper contact is crushed, lower contact is sharp and oriented parallel S_2
	587.4	587.9		149	4AQ	
						Very dark gray to black non-calcareous graphitic quartzite is moderately mineralized, FS_2 foliated and hosts 3-5% ≤1mm dolomite stringers of highly variable orientation. Mineralization is Sph dominate and most commonly occurs disseminated within clots, bands and wisps roughly oriented parallel S_2. Rock is very hard, slightly broken with

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CURRAGH RESOURCES INC.

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Date: Dec '90 Logged By: J Zbeda

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good recovery. Upper and lower contacts are sharp and parallel S_2. ESTIMATED Grade is 10-12%
	587.9	589.0		1,5	5B6	4
						Medium locally light gray non-calcareous phyllite is PS_2 foliated and generally weakly bleached, sporadically and rarely moderately bleached. Bleached portions are light to medium light gray. Interval hosts 1-2% clotty and disseminated Po. Py occurs as 1mm clotts and rarely as trains parallel S_2 planes. Py does not constitute more than trace of interval. Rock is soft, moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2
	589.0	592.4		1,5	AA04	
						Very dark gray to black non-calcareous graphitic quartzite is moderately to strongly mineralized, PS_2 foliated and hosts trace-1% dolomite wisps and stringers of highly variable orientation. Pyrite is sporadic fine grained and most commonly disseminated in wispy bands oriented parallel S_2 and associated with Sph mineralization. Less commonly pyrite occurs as clotts and as a disseminated matrix within rare very siliceous bands

DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Zecevich

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						(1.5-2.0cm) oriented parallel S_2 and often lacing in Sph. Rock is very hard, slightly locally moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Lower contact is fault bound. ESTIMATED GRADE is 12-15%.
	592.4	594.2		1,5,2	4AO	4 ± # ± 1 → 5AO (500#) 85:15 Very dark gray to black non-calcareous to top of 500, moderately to strongly calcareous within and below 500. Unit is generally very weakly to non silicious locally moderately silicious. Mineralization is rare and very weak at best. Interval contains a single band of calcareous 500 at 593.35-593.65, with sharp contacts parallel S_2. Upper contact of 500 contains a 2-3mm band of strong Sph mineralization within 4AO, lower contact of 500 is barren. Pyrite is sporadic within 4AO → 5AO but slightly more common above 5100. All units vary from slightly soft to sporadically moderately hard moderately broken with good recovery. Upper and lower contacts are sharp and parallel S_2 Upper contact hosts a 40cm interval of crushed strongly broken and gouge bearing fault zone. No orientation possible other than parallel to subparallel S_2

DDH 90DX-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec '90 Logged By: J. Beattie

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	594.2	600.4		1,53	AA4	(500 : 410) · 98:01:01
						Very dark gray to black non-calcareous graphitic quartzite is variably mineralized ranging from moderately strong to locally very strong. Unit is BS_2 foliated with highly silicous bands common and hosting the majority of the moderately strong mineralization. Silicous bands are common @ 5-15 cm wide. Strongly mineralized intervals are commonly on dm scale highly silicous and has sph mineralization disseminated throughout with only a very crude banding parallel S_2 (?).
						Unit hosts 5-7% clotty and stringy quartz-dolomite veins and wisps and bands at 500 and 410 which do not exceed 3cm in width. From 599.4 - 600.0 AA4 is CS_2 foliated with 0.2-0.5 cm bands with high py content and moderate sph content defining a CS_2 fabric. Rock is hard, slightly broken, rarely moderately broken with good recovery throughout. Upper and lower contacts are sharp and parallel S_2. Internal contacts also parallel S_2. ESTIMATED grade is 12-15%
	600.4	603.0		1,54	AA1	→ 5361
						Light-medium gray slightly buff unit is non-calcareous variably silicous, BS_2 foliated and hosts 10% stringy clotty networks of quartz dolomite veinlets which crosscut S_2 at variable relationships. Silicification is generally moderately locally very strong to intense and locally weak. Unit

DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Dec '90 Logged By: J. Zbrodnik

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						hosts 1-2% stringy and clotty networks of Py and Po which crosscut S_2. Rock varies from moderately hard to locally very hard and slightly sulf. Silicification controls hardness and generally is not controlled by S_2. Upper and lower contacts are sharp and parallel S_2.
	603.0	603.9		1555	AAA	(4EO:4HO) 70:20:10
						Very Park gray to black graphitic quartzite is locally intensly silicified to a medium dark gray. Unit is moderately mineralized with sporadic bands and clots of very strong sph. mineralized. Pb is sporadic and occurs most commonly as clots which cross cut banding/S_2. Locally unit contains 1mm Py clots within a dense fine grained sph matrix - similar texture to buckshot facies of FAIRO Deposit.
						AT 403.6 - 403.8 unit hosts massive Py with unknown Sph - Pb contact ⇒ 4EO. Below 4EO unit hosts 4HO at 403.8 to EOI.
						Rock is hard throughout and slightly brecc. Upper and lower contacts are parallel S_2.
	603.9					

C.R.I. 1987 E-3A

DDH 9004-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	6039	6053		156	5B6	HEALED POLYMICT BRECCIA, CLAST-SUPPORTED. Angular elongate clasts of 5B62, 100$, 5B6 (≤0.1m dia.) supporting light to medium grey non-calcareous 5B6 matrix. Well-healed. No vugs. Brecciated texture. Some CS_2 and PS_2 foliation in lower section (below 6042). Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Fair RQD. Sharp upper contact subperpendicular CA, marked by last occurrence of sphalerite. Gradational contact parallel S_2. Quartz-dolomite clasts are white-cream, weakly calcareous, hard, contain olive-green grey wisps of Mg-chlorite and black wisps of Fe-chlorite, and are angular-elongate.
L	6053	6063		157	5B62	(100$) 80:20 Medium to dark grey with cream-white carbonate (dolomite?)-quartz laminae/bands following S_1/S_2. Non-calcareous (Vangorda-Mt. Mye Transition Zone?). CS_2 and PS_2 foliated. Silvery to dark grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Fair RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 50°. White-cream quartz-dolomite band or concordant vein subparallel S_2 is weakly calcareous, hard, contains wisps of black Fe-chlorite and has sharp contacts with 5B62.
L	6063	6068		158	100	MAGNETITE PYROXENITE. Dark greenish grey. Strongly magnetic. Non-calcareous. Weakly PS_2 foliated to massive. Dark grey-grey fracture surfaces. Moderately hard. No sulphides. Relict porphyritic (core) to phaneritic (chill margins) igneous texture with zonation. Core has white m.g. anhedral phenocrysts and black m.g. subhedral (magnetite?)

DDH 90-07 (2–8)

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
						phenocryst with 90° cleavages and high mag. susceptibility. V.f.g. aphanitic groundmass (of plagioclase, pyroxenes, amphiboles). Very good core recovery, RQD. Sharp upper contact at CA 50°. Sharp lower contact at CA 40°.
L	6068	6083		1,59	5,B62	(10Q$) 96:04 HEALED OLIGOMICT CLAST-SUPPORTED BRECCIA. Dark grey with cream-white dolomite-quartz laminae/bands following S_1/S_2. Healed clast-supported brecciated texture. Non-calcareous (Vangorda-Mt. Mye Transition Zone). Dark grey to silvery grey fracture surfaces. Moderately soft. No sulphides. Good core recovery, Fair RQD. Sharp upper contact at CA 40°. Sharp lower contact at CA 70°.
						White-cream quartz-dolomite band or concordant vein subparallel S_2 is weakly calcareous, hard, contains wisps of black Fe-chlorite and has sharp contacts with SB02.
L	6083	6085		1,60	1,0G8	CHILL MARGIN, MOSTLY. Dark olive greenish grey v.f.g. aphanitic groundmass supporting c.g. white subhedral feldspar phenocrysts and black m.g. subhedral non-magnetic pyroxene (90° cleavage) and amphibole (68°, 126° cleavage) phenocrysts. Moderately calcareous and hard. Olive-grey fracture surfaces. No sulphides. Very good core recovery, RQD. Sharp upper and lower contacts at CA 70°.
L	6085	6106		1,61	5,A	BLOCKY TO FRIABLE BROKEN CORE. GRAPHITIC FRACTURES. Dark grey to black with buff-white carbonate-quartz laminae/bands following S_1/S_2. Moderately calcareous. CS_2 and PS_2 foliated. Black graphitic fracture surfaces (1-3% graphite). Soft. No sulphides. Blocky to friable core throughout. Fair

CRL 1987 F-7A

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						core recovery. Poor RQD. Sharp upper contact at CA 70°. Sharp lower contact at CA80°
L	610.6	615.3		162	10G8	MAFIC DYKE
						Dark olive green-grey f.g.-v.f.g (chill margin) aphanitic groundmass supporting white c.g. subhedral feldspar phenocrysts and black m.g. subhedral to euhedral non-magnetic amphibole, pyroxene phenocrysts. Non-calcareous. Olive-grey fracture surfaces. Massive to weakly PS_2 foliated. Moderately hard. No sulphides. Chill margins at 610.6-610.8 and 615.1-615.3. Dyke-like? Very good core recovery, RQD. Friable broken core at 613.2-613.4. Blocky core at 614.0-614.2. Sharp upper contact at CA80°. Sharp lower fault contact and gouge at CA60°.
L	615.3	616.8		163	5B6	FRIABLE TO BLOCKY BROKEN CORE. - (5F6) 60:40
						Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2. Weakly calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Soft, friable to blocky broken core. No sulphides. Fair core recovery. Poor RQD. Sharp upper (fault) contact with gouge at CA60°. Sharp lower contact at CA40°.
						Olive greenish grey more chloritic subunit is weakly calcareous, CS_2 and PS_2 foliated, moderately soft and has gradational contacts with 5B6 parallel S_2 at 616.2 and 616.9.
L	616.8	617.4		164	5B6	
						Light to medium grey, non-calcareous, moderately soft, CS_2 and PS_2 foliated unit as above with sharp upper contact at CA40° and gradational lower contact parallel S_2.

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	617.4	620.8		165	5B62	(5B6) 95:05 Medium to dark grey and cream-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2 at CA 0°-30°, CA 60°-90°. Non-calcareous. CS_2 and PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Good core recovery, RQD. Gradational upper and lower contacts parallel S_2. Weakly carbonaceous. Light to medium grey less carbonaceous sub-unit has gradational contacts with 5B62 Brecciated. Occurs at 620.0-620.4.
L	620.8	622.7		166	5B6	(100% 5B6) 85:15 Light to medium grey with cream-white carbonate-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. CS_2 and PS_2 foliated. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2. White-cream ± buff quartz-dolomite ± calcite bands or concordant veins subparallel S_2 are weakly to moderately calcareous, hard, contain black wisps of Fe-chlorite and have sharp contacts with 5B6.
L	622.7	624.2		167	5B62	Medium to dark grey (Carbonaceous) with cream-white dolomite-quartz laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. CS_2 and PS_2 foliated. Dark grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Gradational upper and lower contacts parallel S_2.

CDI 1987 F-7A

DDH 90DY-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb 2/91 Logged By: DHallinwell

Code	From	To	Recov.	No.	Unit	Description
L	624.2	625.6		168	5B26	Dark grey with cream-white laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. (Vangorda-Mt. Mye Transition Zone) CS_2 and PS_2 Foliated. Dark grey fracture surfaces. No sulphides. Very good core recovery. Good RQD. Gradational upper contact parallel S_2. Sharp lower contact at CA 30°-75° (convolute).
L	625.6	627.0		169	10E2	LEUCOCRATIC PHASE. Apple-green-grey m-g aphanitic to phaneritic groundmass with white subhedral e-g m-g feldspar phenocrysts. Non-calcareous. Possibly bleached (quartz-sericite?) Apple green fracture surfaces. Massive, Hard. Good core recovery. Fair RQD. Sharp upper contact at CA 30°-75° (convolute). Sharp lower contact at CA 65°.
L	627.0	627.3		170	5B26	Dark grey with cream-white laminae/bands following S_1/S_2 and veinlets cross-cutting S_1, S_2. Non-calcareous. Carbonaceous. Dark grey fracture surfaces (no graphite). Soft. No sulphides. Good core recovery. Fair RQD. Sharp upper (CA 65°) and lower (CA 20°) contacts

CONTINUED ON NEXT PAGE

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	627.3	627.9		17.1	1ØE2	MELANOCRATIC PHASE. Light to medium grey v.f.g. aphanitic groundmass supporting white feldspar mg.-c.g. subhedral phenocrysts in a porphyritic igneous texture. Non-calcareous. Grey fracture surfaces. Moderately soft to soft. No sulphides. Very good core recovery. Good RQD. Sharp lower contact at CA 7Ø°. Sharp upper contact at CA 7Ø° Chill margins at lower Ø.2m. and upper Ø.4m.
L	627.9	629.6		17.2	1ØE4	LEUCOCRATIC PHASE. Apple green-grey m.g.-f.g. aphanitic to phanerititic groundmass with white subhedral c.g.-m.g. feldspar phenocrysts and transparent-smokey m.g. anhedral quartz phenocryst. Weakly calcareous. Possibly bleached (quartz-sericite?). Apple green fracture surfaces. Massive. Hard. Good core recovery. Sharp upper contact at CA 7Ø°. Sharp lower contact at CA 5Ø°. Cut by rare calcite-quartz veinlets at CA 3Ø°-6Ø°. Blocky core at 628.4-628.8.
L	629.6	634.2		17.3	1ØE84	→ 1ØA84, 1ØD84 &5 Blue-grey f.g.-v.f.g. groundmass with smokey-transparent m.g. anhedral quartz "eye" phenocrysts and black f.g. subhedral amphibole phenocrysts. Non-calcareous, except for rare calcite-quartz veinlets at CA 3Ø°-6Ø°. Massive. Contains trace disseminated pyrite as euhedral cubes (≤2mm). Good core recovery. Fair to poor RQD. Blocky core at 631.8-632.3, 633.2-633.6 and 633.9-634.2. Sharp upper contact at CA 5Ø°. Sharp lower contact at CA 35°.
L	634.2	637.9		17.4	5A**	VANGORDA-MT. MYE TRANSITION ZONE. Black to dark grey with buff-white calcite-quartz veinlets at all CA angles. Chaotic in appearance with clast-supported oligomict brecciated appearance

CRI 1987 F-7A

DDH 90UY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						locally (angular black clasts ≤ 10mm dia. separated by medium grey clay-carbonate matrix) and mylonitic gneiss appearance elsewhere, with flexion structure (C-fractures) at CA 70°. Non-calcareous. Dark grey to black (graphitic) fracture surfaces. Soft. No sulphides. Good core recovery. Fair RQD. Fairly blocky, especially at 637.4-637.9. Sharp upper contact at CA 35°. Sharp lower contact at CA 40° is graphitic.
L	6379	6380		175	10E8	
						Apple-green porphyritic unit, as above. Very good core recovery, RQD. Sharp graphitic upper contact at CA 40°; Sharp lower contact at CA 60°.
L	6380	6390		176	5A*	VANGORDA-MT. MYE TRANSITION ZONE.
						Black to dark grey chaotic unit with elongate mylonitic appearance and cream-white laminae and pods subparallel S_2. Non-calcareous. Weak PS_2 and CS_2 foliation. Black (graphitic) fracture surfaces soft. No sulphides. C-fractures at CA 45°. Good core recovery. Fair RQD. Sharp upper contact at CA 60°; Sharp lower contact at CA 70°.
L	6390	6399		177	10E8	(5A*) 95:05
						Apple green porphyritic unit, as above. Good core recovery. Fair RQD. Sharp upper contact at CA 70°. Sharp contact at CA 40°.
						Contains band of 5A* at 639.65-639.7.

DDH 90 DY-07

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
L	6399	6405		178	5A*	VANGORDA-MT. MYE TRANSITION ZONE Black chaotic mylonitic gneissic unit. Non-calcareous. Weak mylonitic texture subparallel S_2, with cream-white carbonate (dolomite)-quartz bands and pods elongate subparallel S_2. Black (graphitic) fracture surfaces. Soft. Good core recovery, RQD. Sharp upper (CA 40°) and lower (CA 70°) contacts.
L	6405	6416		179	10E8	(5A*) 90:10 Apple-green non-calcareous, porphyritic, moderately soft intrusive unit with sharp upper (CA 70°) and lower (CA 80°) contacts. Good core recovery, RQD. Contains 3 bands of 5A* at CA 60°-80° at 641.0-641.2.
L	6416	6440		180	3G9	5A? (3G8) VANGORDA-MT. MYE TRANSITION ZONE. 99:01 Dark grey to black with cream-white laminae/bands following S_1/S_2. Non-calcareous. PS_2 foliated. Moderately soft to soft. Vuggy. With brownish-green micas (phlogopite or Mg-chlorite?). Rare metallic pyrrhotite on fracture surface as hexagonal(?) plate (euhedral crystal form of pyrrhotite with basal cleavage) at 643.1. Fair core recovery. Poor RQD. Blocky core throughout. Sharp upper contact at CA 80°. Sharp lower contact at CA 85°. Local greenish (chloritic) bands have gradational contacts with major unit.
L	6440	6467		181	3G9	5A? FRIABLE TO BLOCKY BROKEN. VANGORDA-MT. MYE TRANSITION ZONE. As above, but graphitic fractures occur with friable to blocky broken core throughout. C-fractures at CA 40°. Sharp upper contact at CA 85°. Sharp graphitic fault gouge lower contact at CA 40°.

DDH 90DY-07

CURRAGH RESOURCES INC.

Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	647	651	1	182	3691	→ 5AK1 VANGORDA–MT. MYE TRANSITION ZONE. Black to dark grey with cream-white carbonate (dolomite)-quartz laminae/bands following S_1/S_0. Non-calcareous. CS_2 and FS_2 foliated. Black (non-graphitic) fracture surfaces. Soft to hard (lower section), where weakly silicified. Trace pyrrhotite as fracture filling. Chaotic (mylonitic gneiss) appearance in lower section. Very good core recovery. Good RQD. Sharp upper contact at CA40°. Sharp lower contact at CA85°. Blocky core at 648.7–649.1, 650.9–651.1. Last occurrence of 5AK in hole. Possible Vangorda–Mt. Mye Contact at 651.1.
L	651	673	5	183	3690	(369:100$) 80:15:05. MT. MYE? Light to medium grey with cream-white dolomite-quartz laminae, bands parallel S_2. Non-calcareous. FS_2 foliated. Silvery grey fracture surfaces. Moderately soft. Rare trace disseminated pyrrhotite. Very good core recovery. Good RQD. Blocky core at 651.1–651.6 (upper contact), 667.7–667.8, 670.8–670.9. Sharp upper contact at CA85°. Sharp lower contact at CA70°. Medium to dark grey more carbonaceous sub-units are non-calcareous, soft and have gradational contacts with 369. White-cream quartz-dolomite ± calcite bands or concordant veins are weakly calcareous, hard, contain wisps of olive green-grey Mg-chlorite and black Fe-chlorite and have sharp contacts with 369 subparallel S_2.
L	6735	673	8	184	1990	White-grey-blue, non-calcareous, hard quartz bands or concordant veins has black Fe-chlorite wisps and have sharp contacts at CA70°-80°. Very good core recovery, RQD.

DDH 9ØDY-Ø7

CURRAGH RESOURCES INC.
Lithologic Log

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

Code	From	To	Recov.	No.	Unit	Description
L	673.8	678.4		185	3GØ	(3GØ9:1ØQ$) 8Ø:1Ø:1Ø MT. MYE Light to medium grey with cream-white dolomite-quartz bands and carbonaceous black laminae, bands parallel S_2. Non-calcareous. PS_2 foliated (weakly). Silvery grey fracture surfaces. Moderately soft. Trace disseminated pyrrhotite. Very good core recovery, RQD. Sharp upper contact at CA 8Ø°. Sharp lower contact at CA 45°.
L	678.4	68Ø.3		186	1ØQØ$	Blue-grey-white quartz±dolomite bands or concordant veins subparallel S_2. Very weakly calcareous. Blue-grey fracture surfaces. Hard. Trace disseminated pyrrhotite. Contains wisps of olive-grey Mg-chlorite and black Fe-chlorite. Very good core recovery, RQD. Sharp upper contact at CA 45°. Sharp lower contact at CA 85°.
L	68Ø.3	686.7		187	3GØ	(1ØQ$) 9Ø:1Ø Light to medium grey with cream-white dolomite-quartz laminae, bands following S_2. Silvery grey fracture surfaces. Moderately soft. No sulphides. Very good core recovery. Good RQD. Sharp upper contact at CA 85°. White-cream quartz-dolomite bands or concordant veins subparallel S_2. Weakly calcareous. Hard. Contains olive-grey Mg-chlorite and black Fe-chlorite. Sharp contacts with 3GØ. 686.7 = EOH

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

Logged by J. Beckett

ASSAY LOG (SAMPLER'S COPY) Date Dec '90 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
	9.00	381.8					WASTE
	381.8	383.4	651439	1.6		4LO	
	383.4	384.7	651440	1.3		4LO	
	384.7	385.1	651441	0.4		4KCS	
	385.1	387.2	651442	2.1		4LOS	
	387.2	388.4	651443	1.2		4LOS	
	388.4	390.1	651444	1.7		4EOS	
	390.1	391.7	651445	1.6		AEO	
	391.7	393.4	651446	1.7		AEP	
	393.4	394.9	651447	1.5		AEP	
	394.9	396.6	651448	1.7		ACO	
	396.6	398.6	651449	1.0		AEP	
	398.6	400.6	651450	2.0		ACO	
	400.6	401.6	651451	1.0		ACO	
	401.6	402.8	651452	1.2		ACO	
	402.8	403.9	651453	1.1		ACO	
	403.9	405.7	651454	1.8		ACO	
	405.7	407.1	651455	1.4		ACO	
	407.1	408.1	651456	1.0		ALIA	
	408.1	409.6	651457	1.5		ALIA	
	409.6	410.0	651458	0.4		5A69	
	410.0	410.7	651459	0.7		5B249	
	410.7	413.0	651460	2.3		5A119	
	413.0	414.4	651461	1.4		5A109	
	414.4	416.6	651462	2.2		5B6	
	416.6	417.3	651463	0.7		5B619	
	417.3	418.4	651464	1.1		ACO	
	418.4	419.0	651465	0.6		5B612	
							WASTE
	587.4	587.9	651666	0.5		AAO	
	587.9	589.0	651667	1.1		5B6	
	589.0	590.7	651668	1.7		AAO4	
	590.7	592.4	651669	1.7		AAO4	
	592.4	594.2	651670	1.8		AAO	
	594.2	595.5	651671	1.3		AAO	
	595.5	596.0	651672	0.5		AAO	

DDH 90DX-07 (2–8) CURRAGH RESOURCES INC.

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Logged by J. Zbeetnoff

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

CODE (1)	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
	596.0	596.5	651173	0.5		4A4	
	596.5	597.2	651174	0.7		4A0	
	597.2	598.2	651175	1.0		4A4	
	598.2	599.8	651176	1.6		4A04	
	599.8	601.7	651177	1.9		4L1	
	601.7	603.0	651178	1.3		4L1	
	603.0	603.9	651179	0.9		4A4	
							WASTE TO EOH

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan.25/91 Logged By: D. Halliwell Page 83 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0–30				30–~~50~~65				~~50–70~~				65 ~~70~~–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
7.9	—	—	R1	4	2	1	16	6.0	J	1	14	6.0	J					23	14	3.0	S	NQ	O/B
9.5	1.1	0.0	R2	5	3	2	18	6.0	J	3	18	6.0	J					40	13	2.0	S		
11.0	1.0	0.1	R2	5	2	2	18	6.0	J	0	–	–	–					34	13	3.0	S		
14.0	2.85	0.5	R2	10	2	1	15	10.0	J	3	14	10.0	J					53	13	3.0	S		
17.1	2.85	0.6	R2	11	2	2	17	10.0	J	1	15	10.0	J					45	12	3.0	S		
20.1	2.8	0.9	R2	9	3	2	18	6.0	J	1	15	10.0	J					52	12	3.0	S		
22.6	2.9	0.9	R2	11	3	2	16	9.0	J	2	17	9.0	J					55	12	3.0	S		
25.3	2.4	1.2	R2	10	2	2	14	9.0	J	1	18	9.0	J					34	12	4.0	S>G		clayey gouge
26.2	2.05	1.6	R2	12	1	0	–	–	–	0	–	–	–					11	13	6.0	S		
29.3	3.0	1.6	R2	14	1	2	15	10.0	J	3	16	10.0	J					28	12	10.0	S		
32.3	3.1	1.3	R2	14	1	0	–	–	–	1	9	10.0	G					38	13	6.0	S		clayey gouge
35.4	2.9	1.0	R2	15	1	2	15	10.0	J	1	14	10.0	J					37	13	6.0	S		
38.4	3.1	1.2	R2	10	1	2	15	10.0	J	4	13	10.0	S,J					34	12	6.0	S		
39.9	1.4	0.7	R2	13	1	0	–	–	–	2	14	10.0	J					15	12	10.0	S		
41.45	1.7	0.5	R2	12	1	2	16	10.0	J	2	15	10.0	J					18	12	10.0	S		
44.5	2.9	1.1	R2	9	1	1	13	10.0	J	0	–	–	–					44	12	3.0	S		
46.9	2.8	0.9	R2	11	1	1	15	10.0	J	1	14	10.0	J					41	12	3.0	S		
48.2	0.8	0.7	R2	6	2	1	8	10.0	G	0	–	–	–					17	12	6.0	S		clayey gouge
50.6	2.3	0.6	R2	12	2	0	–	–	–	4	14	10.0	J					31	13	6.0	S		
53.0	3.6	0.7	R2	11	3	2	14	9.0	J	2	16	10.0	J					45	12	3.0	S		
56.1	2.8	1.2	R2	11	3	2	16	8.0	J	2	16	10.0	J					32	13	6.0	S		
59.1	3.1	0.1	R2	6	2	3	16	10.0	J	2	14	10.0	J					69	13	3.0	S		
62.2	3.0	2.3	R2	11	1	1	16	10.0	J	2	18	10.0	J					25	13	9.0	S		
65.5	3.0	1.6	R2	14	1	0	–	–	–	2	16	10.0	J					11	12	10.0	S		
68.6	3.0	2.1	R2	14	1	0	–	–	–	3	15	10.0	J					30	12	6.0	S		
71.6	3.0	1.2	R2	12	1	1	16	10.0	J	3	14	10.0	J					44	12	3.0	S		
74.7	3.0	1.4	R2	10	1	1	16	10.0	J	2	15	10.0	J					36	11	6.0	S		
78.0	3.1	1.1	R2	11	1	1	16	10.0	J	1	14	10.0	J					35	11	6.0	S		
81.1	3.0	1.6	R2	12	1	0	–	–	–	1	16	10.0	J					37	11	6.0	S		
84.1	3.0	1.4	R2	13	1	2	16	10.0	J	1	14	10.0	J					41	14	3.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan. 25/91 Logged By: D. Halliwell Page 84 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0–30				30–65				~~30–70~~				65~~70~~–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
87.2	3.0	1.1	R2	11	1	1	16	10.0	J	2	15	10.0	J					40	11	3.0	S	NQ	
90.2	3.1	2.3	R2	14	1	1	16	10.0	J	2	14	10.0	J					25	13	9.0	S		
93.3	3.0	1.7	R2	13	1	0	–	–	–	0	–	–	–					27	12	6.0	S		
96.3	3.0	2.5	R2	11	1	0	–	–	–	0	–	–	–					35	12	6.0	S		
97.8	1.4	0.6	R2	5	1	1	14	10.0	J	1	15	10.0	J					35	12	6.0	S		
99.4	1.6	0.7	R2	12	1	1	14	10.0	J	1	16	10.0	J					27	12	6.0	S		
102.4	2.8	1.3	R2	14	1	0	–	–	–	2	15	10.0	J					31	12	6.0	S		
105.5	3.1	1.5	R2	14	1	0	–	–	–	3	14	10.0	J					37	12	6.0	S		
108.5	3.1	1.7	R2	15	1	0	–	–	–	1	14	10.0	J					40	12	3.0	S		
111.6	3.1	1.5	R2	14	1	2	16	10.0	J	2	14	10.0	J					29	11	6.0	S		
114.6	3.1	2.6	R2	15	1	0	–	–	–	0	–	–	–					18	13	10.0	S		
117.7	3.1	2.1	R2	14	1	1	6	10.0	J	2	14	10.0	J					21	12	10.0	S		
120.7	3.1	1.4	R2	12	1	1	15	10.0	J	0	–	–	–					40	12	3.0	S		
123.7	3.1	2.3	R2	13	1	0	–	–	–	2	12	10.0	S					28	12	6.0	S		
126.8	3.0	2.0	R2	14	1	1	15	10.0	J	0	–	–	–					28	12	6.0	S		
129.8	2.9	1.8	R2	14	1	0	–	–	–	1	12	10.0	S					24	12	6.0	S		
132.9	3.1	1.3	R2	11	1	0	–	–	–	4	16	10.0	J					31	12	6.0	S		
135.9	2.7	0.5	R2	10	1	1	15	10.0	J	2	14	10.0	J					55	12	3.0	S		
138.1	2.0	0.2	R2	7	1	2	16	10.0	J	2	15	10.0	J					55	12	3.0	S		
139.0	1.8	0.1	R2	8	1	1	15	10.0	J	0	–	–	–					20	12	3.0	S		
142.0	3.1	2.1	R2	10	1	1	16	10.0	J	1	14	10.0	J					54	12	3.0	S		
145.1	3.1	2.0	R2	12	1	0	–	–	–	1	16	10.0	J					41	14	3.0	S		
148.2	3.1	0.5	R2	6	1	2	13	10.0	J	2	16	10.0	J					56	13	3.0	S		
151.2	3.0	0.5	R2	8	1	2	14	10.0	J	1	14	10.0	J					26	12	3.0	S		
153.2	2.1	0.0	R1	4	1	0	–	–	–	3	18	10.0	J					120	12	2.0	S		
156.4	3.0	0.9	R2	11	1	0	–	–	–	3	14	10.0	J					22	14	6.0	S		
158.2	2.0	0.2	R2	9	2	2	16	10.0	J	2	16	10.0	J					49	13	3.0	S		
160.3	1.9	0.0	R2	6	3	2	16	10.0	J	1	15	10.0	J					60	12	3.0	S		
163.4	3.1	0.4	R2	10	2	1	16	10.0	J	2	17	10.0	J					59	14	3.0	S		
166.4	3.1	0.6	R2	11	3	2	17	10.0	J	2	16	10.0	J					50	13	3.0	S		
169.5	3.4	0.2	R2	9	3	2	16	10.0	J	1	13	10.0	J					62	12	3.0	S		
172.5	3.1	0.9	R2	12	2	0	–	–	–	0	–	–	–					37	12	6.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0 - 40 No	Rough	Alt	Type	40 - 65 No	Rough	Alt	Type	65 - 90 No	Rough	Alt	Type	COMMENTS
175.6	3.0	2.3	R2	14	2	0	-	-	-	0	-	-	-	19	12	10.0	S	NQ
178.6	3.1	1.8	R2	14	2	1	16	10.0	J	1	16	10.0	J	35	11	6.0	S	
181.7	3.0	1.8	R2	15	1	0	-	-	-	1	17	10.0	J	19	13	10.0	S	
184.7	3.0	2.8	R2	15	1	0	-	-	-	1	13	10.0	S	19	13	10.0	S	
187.8	3.1	2.4	R2	16	1	0	-	-	-	0	-	-	-	14	12	10.0	S	
190.8	3.0	2.2	R2	16	1	1	16	10.0	J	0	-	-	-	11	13	10.0	S	
193.9	3.0	1.8	R2	14	1	0	-	-	-	2	14	10.0	J,S	20	12	8.0	S	
196.9	2.7	2.4	R2	12	1	0	-	-	-	1	13	10.0	S	15	11	10.0	S	
199.9	3.1	2.1	R2	13	1	1	16	10.0	J	0	-	-	-	26	12	7.0	S	
203.0	3.0	2.0	R2	12	1	2	16	10.0	J	1	17	10.0	J	16	13	10.0	S	
206.0	3.1	2.4	R2	16	1	1	16	10.0	J	2	16	10.0	J	29	13	6.0	S	
209.1	3.1	1.1	R2	13	1	1	13	10.0	J	0	-	-	-	22	13	6.0	S	
212.1	3.1	2.2	R2	14	1	1	16	10.0	J	1	16	10.0	J	25	12	6.0	S	
215.2	3.2	1.9	R2	13	1	1	15	10.0	J	2	14	10.0	J	23	12	6.0	S	
218.2	2.0	0.0	R2	5	1	1	14	10.0	J	2	8	10.0	G	60	9	3.0	S	MISLATCH: 3' CORE LOSS. GOUGE
221.3	3.1	0.2	R2	8	1	1	15	10.0	J	1	16	10.0	J	66	11	3.0	S	
224.3	3.2	0.4	R2	8	1	2	16	10.0	J	1	13	10.0	S	69	13	3.0	S	
227.1	2.8	0.4	R2	9	1	0	-	-	-	3	16	10.0	J	47	13	3.0	S	
230.1	3.2	0.8	R2	8	1	0	-	-	-	3	14	10.0	J	69	13	3.0	S	
230.9	0.8	0.1	R2	6	1	0	-	-	-	3	14	10.0	J	20	14	5.0	S	
233.5	2.6	0.5	R2	8	1	2	17	10.0	J	4	14	10.0	J	48	14	3.0	S	
235.0	1.0	0.0	R2	5	1	2	15	10.0	J	0	-	-	-	30	13	6.0	S	
237.1	1.8	0.2	R2	7	1	2	15	10.0	J	1	13	10.0	S	49	13	3.0	S	
238.7	1.3	0.1	R2	6	1	1	16	10.0	J	0	-	-	-	33	12	6.0	S	
241.7	3.1	0.6	R2	10	1	3	14	10.0	J	2	13	10.0	J	49	12	3.0	S	
244.0	2.3	0.3	R2	8	1	2	16	10.0	J	2	16	10.0	J	62	13	3.0	S	
245.1	0.8	0.2	R2	8	1	2	16	10.0	J	1	16	10.0	J	18	14	6.0	S	
246.3	1.2	0.0	R2	8	1	0	-	-	-	3	16	10.0	J	25	14	6.0	S	
248.4	1.6	0.7	R2	10	1	0	-	-	-	5	14	10.0	S	16	12	10.0	S	
251.6	3.1	1.9	R2	12	1	0	-	-	-	0	-	-	-	25	11	6.0	S	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES wrt CA. 0–30 No	Rough	Alt	Type	30–65 No	Rough	Alt	Type	50–70 No	Rough	Alt	Type	65–90 No	Rough	Alt	Type	Core Size	Comments
254.8	3.05	2.1	R2	12	1	0	–	–	–	3	16	10.0	J					23	12	6.0	S	NQ	
257.9	3.1	2.2	R2	13	1	1	11	10.0	J	0	–	–	–					28	12	6.0	S		
260.9	3.1	2.2	R2	14	1	2	11	10.0	J	1	12	10.0	S					27	12	6.0	S		
264.0	3.2	1.5	R2	14	1	1	16	10.0	J	1	15	10.0	J					33	12	5.0	S		
267.0	3.0	1.7	R3	13	1	1	14	10.0	J	3	16	10.0	J					33	12	5.0	S		
270.1	3.1	1.1	R2	11	1	1	16	10.0	J	1	17	10.0	J					55	12	3.0	S		
273.1	3.0	1.9	R2	10	1	1	15	10.0	J	6	17	10.0	J					38	12	4.0	S		
276.1	3.05	0.6	R2	10	1	1	16	10.0	J	2	17	10.0	J					64	12	3.0	S		
279.2	2.9	1.6	R2	14	1	2	16	10.0	J	2	17	10.0	J					35	12	5.0	S		
282.3	3.0	0.7	R2	9	1	2	16	10.0	J	2	17	10.0	J					60	12	3.0	S		
285.3	3.0	1.2	R2	11	1	2	14	10.0	J	0	–	–	–					41	12	4.0	S		
288.0	2.6	0.8	R2	9	1	1	16	10.0	J	0	–	–	–					38	12	4.0	S		
289.9	2.0	0.7	R2	11	1	1	16	10.0	J	0	–	–	–					32	12	5.0	S		
291.4	1.7	0.1	R2	4	2	4	15	10.0	J	0	–	–	–					54	13	3.0	S		
294.4	3.1	0.3	R2	7	1	1	16	10.0	J	3	16	10.0	J					68	12	3.0	S		
297.5	3.1	0.6	R2	9	1	2	15	10.0	J	3	16	10.0	J					53	12	3.0	S		
300.5	3.0	1.2	R2	14	1	1	15	10.0	J	3	16	10.0	J					35	12	3.0	S		
303.6	3.1	1.3	R2	11	1	0	–	–	–	0	–	–	–					41	12	3.0	S		
306.6	3.0	1.0	R2	10	1	1	16	10.0	J	1	14	10.0	J					46	12	3.0	S		
309.7	3.0	1.9	R2	11	1	0	–	–	–	1	14	10.0	J					34	12	4.0	S		
311.5	1.9	0.2	R2	8	1	0	–	–	–	2	15	10.0	J					36	12	3.0	S		
313.0	0.9	0.1	R2	7	1	1	17	10.0	J	1	15	10.0	J					40	12	3.0	S		
313.9	3.0	2.4	R2	8	1	0	–	–	–	0	–	–	–					24	13	6.0	S		
317.0	3.1	1.4	R2	14	1	0	–	–	–	0	–	–	–					18	14	8.0	S		
320.2	3.2	2.2	R2	12	1	1	15	10.0	J	3	17	10.0	J					41	14	3.0	S		
323.2	3.0	2.2	R2	11	1	0	–	–	–	2	16	10.0	J					23	13	6.0	S		
326.4	3.0	2.7	R2	13	1	0	–	–	–	3	16	10.0	J					18	12	6.0	S		
329.5	3.1	1.1	R2	8	1	1	16	10.0	J	1	16	10.0	J					46	12	3.0	S		
332.5	3.05	1.7	R2	10	1	0	–	–	–	2	15	10.0	J					40	12	3.0	S		
335.6	3.1	1.6	R2	8	1	0	–	–	–	4	14	10.0	J					38	12	4.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

Units: Feet / Metres Date: Jan 29/91 Logged By: D. Halliwell Page 87 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA 0–30 No	0–30 Rough	0–30 Alt	0–30 Type	30–~~50~~65 No	30–~~50~~65 Rough	30–~~50~~65 Alt	30–~~50~~65 Type	~~50–70~~ No	~~50–70~~ Rough	~~50–70~~ Alt	~~50–70~~ Type	65 ~~70~~–90 No	65 ~~70~~–90 Rough	65 ~~70~~–90 Alt	65 ~~70~~–90 Type	Core Size	Comments
338.8	3.3	Ø.8	R2	7	1	Ø	–	–	–	4	14	10.Ø	J					42	11	3.Ø	S	NQ	
342.Ø	3.1	1.9	R2	12	1	Ø	–	–	–	1	16	10.Ø	J					32	13	5.Ø	S		
345.Ø	3.1	1.2	R2	11	1	Ø	–	–	–	2	16	10.Ø	J					41	14	3.Ø	S		
346.3	1.2	Ø.7	R2	9	1	Ø	–	–	–	Ø	–	–	–					19	13	8.Ø	S		
349.3	3.1	1.5	R2	9	1	Ø	–	–	–	Ø	–	–	–					34	14	4.Ø	S		
352.3	3.Ø	2.2	R2	13	1	Ø	–	–	–	3	14	10.Ø	J					23	14	6.Ø	S		
355.4	3.Ø	1.7	R2	12	1	1	16	10.Ø	J	2	14	10.Ø	J					27	12	6.Ø	S		
358.4	3.Ø	2.3	R2	14	1	Ø	–	–	–	2	14	10.Ø	J					19	13	8.Ø	S		
361.5	3.1	2.5	R2	14	1	Ø	–	–	–	2	13	10.Ø	S					18	13	9.Ø	S		
364.5	3.Ø	2.1	R2	14	1	Ø	–	–	–	1	15	10.Ø	J					17	13	10.Ø	S		
367.6	3.Ø	2.7	R2	12	1	Ø	–	–	–	1	15	10.Ø	J					38	13	4.Ø	S		
370.6	3.Ø	2.4	R2	12	1	1	15	10.Ø	J	1	15	10.Ø	J					22	13	8.Ø	S		
373.7	3.1	2.2	R2	12	1	Ø	–	–	–	2	15	10.Ø	J					30	13	6.Ø	S		
376.7	3.1	2.4	R2	12	1	Ø	–	–	–	2	14	10.Ø	J					22	12	10.Ø	S		
379.8	3.1	3.Ø		12	1	Ø	–	–	–	Ø	–	–	–					14			S		well-healed shears = mud hard healed shear, broke apart to form soft rock, mod broken strongly broken above 385.1 old strongly broken, fault 11 CA format. strongly broken 11 CA logged strongly broken often 11 CA by JZ locally broken 11 CA before mostly broken, altogether 11 CA Dec 31/91 mostly broken, often 11 CA strongly broken, crushed above 405.8 strongly broken
382.5	2.6	1.1		10	1	Ø	–	–	–	Ø	–	–	–					30			S		
384.4	1.8	Ø.5		7	1	Ø	–	–	–	Ø	–	–	–					28			S		
385.9	1.5	Ø.55		6	1	Ø	–	–	–	Ø	–	–	–					21			S		
388.9	3.Ø	Ø.9		7	1	Ø	–	–	–	Ø	–	–	–					37			S		
391.7	2.8	1.2		7	1	Ø	–	–	–	Ø	–	–	–					26			S		
394.7	2.9	1.7		9	1	Ø	–	–	–	Ø	–	–	–					15			S		
397.8	3.1	2.Ø		11	1	Ø	–	–	–	Ø	–	–	–					19			S		
400.8	3.Ø	Ø.9		7	1	Ø	–	–	–	Ø	–	–	–					38			S		
403.9	3.1	1.9		11	1	Ø	–	–	–	Ø	–	–	–					32			S		
406.9	3.Ø	1.15		6	1	Ø	–	–	–	Ø	–	–	–					44			S		
410.Ø	3.1	2.Ø		10	1	Ø	–	–	–	Ø	–	–	–					31			S		
413.Ø	3.Ø	2.1		9	1	Ø	–	–	–	Ø	–	–	–					27			S		
416.1	3.1	Ø.65		7	1	Ø	–	–	–	Ø	–	–	–					54			S		
419.1	3.Ø	1.8		11	1	Ø	–	–	–	Ø	–	–	–					36			S		
422.2	2.8	1.7		11	1	Ø	–	–	–	Ø	–	–	–					29			S		
425.2	3.1	2.3	R2	13	1	2	16	10.Ø	J	3	15	10.Ø	J					18	12	10.Ø	S	—	

- UPPER DIKE 90DY-07 -

PROJECT _____ DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__
LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __
LOGGER _____ INCLINATION _____ ELEVATION _____
A

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
376.7																	
379.8		3.1		3.0				12	F							14	Well healed shear - mod hard - [illegible]
382.5		2.6		1.1				10								30	healed shear, locally soft and broken
384.4		1.8		0.5				7								28	calc rock, mod broken
385.9		1.5		0.55				6								21	strongly broken above 385.9
388.9		3.0		0.9				7								37	strongly broken, fault subparallel CA.
391.7		2.8		1.2				7								26	strongly broken, // CA.
394.7		2.9		1.7				9								15	broken, subparallel CA.
397.8		3.1		2.0				11								19	locally broken ~// C.A
400.8		3.0		0.9				7								38	rarely broken other than // Sa
403.9		3.1		1.9				11								32	strongly bkn // Sa
406.9		3.0		1.15				6								44	strongly broken/locally crushed above 405.8
410.0		3.1		2.0				10								31	moderately broken
413.0		3.0		2.1				9								27	
416.1		3.1		0.65				7								54	
419.1		3.0		1.8				11								34	
422.2		2.8		1.7				11	V							29	

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90DY-07

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES w.r.t. CA																Core Size	Comments
						0–30				30–~~35~~65				~~50–70~~				65 ~~70~~–90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
428.2	3.1	2.1	R2	11	1	2	17	10.0	J	2	13	10.0	J					21	12	9.0	S	NQ	
431.3	3.1	2.3	R2	13	1	0	–	–	–	2	17	10.0	J					13	13	10.0	S		
434.3	3.1	2.6	R2	14	1	3	17	10.0	J	3	16	10.0	J,S					11	12	10.0	S		
437.4	3.1	1.1	R2	9	2	5	16	10.0	J	2	10	10.0	G					51	12	3.0	S		limonitic clay gouge at 435.6.
440.4	3.2	1.4	R2	10	1	1	15	10.0	J	2	14	10.0	J					38	13	6.0	S		
443.5	3.2	2.1	R2	11	1	2	17	10.0	J	3	15	10.0	J					31	12	6.0	S		
446.5	3.1	2.2	R2	13	1	1	12	10.0	J	2	15	10.0	J					22	12	9.0	S		
449.6	3.0	2.8	R2	8	2	2	11	10.0	J	1	16	10.0	J					28	12	6.0	S		
452.6	3.1	2.0	R2	14	1	1	13	10.0	J	1	13	10.0	J					35	12	6.0	S		
455.7	3.0	2.1	R2	13	1	1	15	10.0	J	2	16	10.0	J					22	12	9.0	S		
458.7	3.1	2.0	R2	14	1	1	14	10.0	J	0	–	–	–					21	12	9.0	S		
461.8	3.1	2.7	R2	14	1	1	14	10.0	J	3	17	10.0	J					17	11	10.0	S		
464.8	3.1	2.4	R2	12	1	3	14	10.0	J	2	16	10.0	J					29	12	6.0	S		
467.9	3.0	2.1	R2	12	1	2	16	10.0	J	0	–	–	–					35	12	6.0	S		
471.2	3.0	1.7	R2	11	1	1	14	10.0	J	0	–	–	–					33	12	6.0	S		
474.3	3.1	2.0	R2	11	1	2	16	10.0	J	3	15	10.0	J					35	12	6.0	S		
477.3	3.0	2.7	R2	12	1	1	16	10.0	J	0	–	–	–					24	12	6.0	S		
480.4	3.1	2.2	R2	11	1	0	–	–	–	0	–	–	–					41	13	5.0	S		
483.4	3.2	2.2	R2	11	1	0	–	–	–	2	15	10.0	J					35	12	6.0	S		
486.5	3.1	2.2	R2	12	1	0	–	–	–	0	–	–	–					29	12	6.0	S		
489.5	3.1	1.3	R2	11	1	1	14	10.0	J	0	–	–	–					44	13	3.0	S		
492.6	3.1	2.2	R2	10	1	0	–	–	–	1	14	10.0	J					21	12	6.0	S		
495.6	3.1	2.1	R2	9	1	1	14	10.0	J	3	14	10.0	J					33	12	6.0	S		
498.7	3.1	1.9	R2	12	1	1	14	10.0	J	2	16	10.0	J					33	12	6.0	S		
501.7	3.1	2.7	R2	13	1	0	–	–	–	3	15	10.0	J					29	12	6.0	S		
504.7	2.9	1.7	R2	11	1	2	13	10.0	J	2	14	10.0	J					32	12	6.0	S		
507.8	3.0	2.0	R2	14	1	0	–	–	–	0	–	–	–					28	11	6.0	S		
510.8	3.1	2.0	R2	12	1	0	–	–	–	1	16	10.0	J					30	12	6.0	S		
513.9	3.0	2.4	R2	13	1	0	–	–	–	1	17	10.0	J					18	13	6.0	S		

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90-DY-07

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0–~~30~~ 35				35 ~~30–50~~ 65				65 ~~50–70~~ 90				~~70–90~~				Core Size	Comments
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
																						NQ	
516.9	3.0	1.8	R2	11	1	Ø	–	–	–	3	16	10.Ø	J	25	14	5.Ø	S						
520.0	3.1	1.2	R2	8	1	2	16	10.Ø	J	1	15	10.Ø	J	58	13	3.Ø	S						
523.0	3.0	1.3	R2	8	1	Ø	–	–	–	Ø	–	–	–	43	12	3.Ø	S						
526.1	3.0	0.9	R2	8	1	2	16	10.Ø	J	3	16	10.Ø	J	45	12	3.Ø	S						
528.5	2.4	0.6	R2	7	1	Ø	–	–	–	2	18	10.Ø	J	34	12	6.Ø	S						
531.6	3.0	1.8	R2	8	1	1	16	10.Ø	J	1	17	10.Ø	J	36	12	6.Ø	S						
531.9	0.15	0	R2	6	1	Ø	–	–	–	Ø	–	–	–	6	12	6.Ø	S						
534.9	2.6	0.15	R2	7	1	1	16	10.Ø	J	4	16	10.Ø	J	62	12	3.Ø	S						
537.5	2.2	0.5	R2	8	1	1	16	10.Ø	J	4	17	10.Ø	J	46	12	4.Ø	S						
540.7	3.1	2.0	R2	12	1	1	14	10.Ø	J	1	16	10.Ø	J	25	13	9.Ø	S						
543.8	3.1	1.5	R2	12	1	4	16	10.Ø	J	5	15	10.Ø	J	34	12	6.Ø	S						
544.7	0.6	0	R2	5	1	1	16	10.Ø	J	3	16	10.Ø	J	21	14	8.Ø	S						
547.4	3.0	1.4	R2	9	1	Ø	–	–	–	4	16	10.Ø	J	44	12	3.Ø	S						
550.5	3.0	1.7	R2	10	1	Ø	–	–	–	1	15	10.Ø	J	40	12	3.Ø	S						
552.9	2.2	0.9	R2	11	1	1	16	10.Ø	J	3	16	10.Ø	J	36	12	4.Ø	S						
556.0	2.5	1.4	R2	12	1	1	16	10.Ø	J	4	14	10.Ø	S	29	12	6.Ø	S						
559.0	3.0	2.0	R2	11	1	Ø	–	–	–	Ø	–	–	–	30	12	6.Ø	S						
562.1	3.1	2.7	R2	14	1	1	18	10.Ø	J	1	16	10.Ø	J	13	13	10.Ø	S						
565.1	3.0	1.7	R2	10	1	1	14	10.Ø	J	2	15	10.Ø	J	25	13	8.Ø	S						
568.2	2.9	1.2	R2	12	1	Ø	–	–	–	5	14	10.Ø	J	31	12	6.Ø	SG						Clayey gouge
571.3	3.0	1.7	R2	10	1	2	16	10.Ø	J	2	16	10.Ø	J	32	12	6.Ø	S						
574.5	3.0	2.4	R2	12	1	Ø	–	–	–	2	15	10.Ø	J	24	13	8.Ø	S						
577.8	3.0	2.4	R2	15	1	Ø	–	–	–	1	16	10.Ø	J	12	12	10.Ø	S	CROSS JOINTS					
580.9	3.1	2.7	R2	13	1	Ø	–	–	–	2	16	10.Ø	J	20	12	10.Ø	S	17					
582.8	1.9	0.2	R2	7	2	1	15	10.Ø	J	2	15	10.Ø	J	41	13	3.Ø	S	43					
584.6	1.8	0.3	R2	7	2	1	16	10.Ø	J	2	15	10.Ø	J	73	14	2.Ø	S	26	CRUSHED + GOUGE BELOW 584.1				
587.0	2.4	0.9	R2	8	2	1	16	10.Ø	J	2	16	10.Ø	J	52	14	3.Ø	S	40	VERY STRONGLY BROKEN 585.5 – 586.3				
590.1	3.1	2.1	R2	11	1	1	16	10.Ø	J	4	16	10.Ø	S	28	12	6.Ø	S	33					

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90-DY-07

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

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0–~~30~~ 35				35 ~~30–50~~ 65				65 ~~50–70~~ 90				~~70–90~~				Core Size	Comments
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
																		CROSS JOINTS					
592.2	2.1	1.8	R2	11	1	Ø	—	—	—	Ø	—	—	—	19	12	10.Ø	S	19				NG	
595.3	3.1	2.1	R2	11	1	Ø	—	—	—	Ø	—	—	—	34	12	6.Ø	S	34	CRUSHED AND BROKEN @ 592.7 – 593.1				
597.4	2.1	1.9	R2	12	1	Ø	—	—	—	Ø	—	—	—	19	12	10.Ø	S	19					
598.6	1.2	0.9	R2	11	1	Ø	—	—	—	Ø	—	—	—	7	12	10.Ø	S	7					
601.7	3.1	3.1	R2	14	1	Ø	—	—	—	Ø	—	—	—	5	12	10.Ø	S	5					
604.7	3.0	2.7	R2	13	1	Ø	—	—	—	1	16	10.Ø	J	14	12	10.Ø	S	14					
607.8	3.1	2.1	R2	11	1	1	16	10.Ø	J	3	16	10.Ø	J	30	12	6.Ø	S	31					
608.7	0.9	0.7	R2	11	1	Ø	—	—	—	1	14	10.Ø	S	11	12	8.Ø	S	11					
610.5	2.2	0	R2	5	1	1	14	10.Ø	J	2	14	10.Ø	J	50	11	3.Ø	S	34	STRONGLY BROKEN CRUSHED THROUGH OUT				
613.6	3.1	2.6	R3	14	1	2	15	10.Ø	J	2	15	10.Ø	J	12	14	9.Ø	J	12	CRUSHED 613.2–613.4				
616.0	2.8	2.0	R3	12	2	1	15	10.Ø	J	3	16	10.Ø	J,G	15	14	9.Ø	J						
617.5	2.0	0.1	R2	6	1	2	15	10.Ø	J	2	14	10.Ø	J	66	14	3.Ø	S						
620.6	2.9	2.75	R2	12	1	1	16	10.Ø	J	2	16	10.Ø	J	12	13	10.Ø	S						
623.6	3.1	2.8	R2	14	1	1	14	10.Ø	J	3	15	10.Ø	J	8	13	10.Ø	S						
625.8	2.2	2.0	R2	14	1	1	17	10.Ø	J	4	16	10.Ø	J	9	12	10.Ø	S						
626.7	1.3	0.2	R2	8	2	1	16	10.Ø	J	2	15	10.Ø	J	24	10	10.Ø	S						
628.8	2.1	0.7	R2	10	2	2	14	10.Ø	J	3	14	10.Ø	J	30	12	10.Ø	S						
631.8	3.2	2.1	R3	16	1	3	12	10.Ø	J	7	14	10.Ø	J	22	11	10.Ø	J						
633.4	1.7	0.5	R3	13	1	4	12	10.Ø	J	6	14	10.Ø	J,S	6	14	10.Ø	J						
635.5	2.5	2.1	R2	10	1	1	16	10.Ø	J	3	15	10.Ø	J	20	14	8.Ø	S						
637.9	2.3	0.7	R2	10	1	1	11	10.Ø	J	4	16	10.Ø	J	24	12	8.Ø	S						
640.1	2.5	1.35	R2	8	1	1	12	10.Ø	J	3	11	10.Ø	J,G	29	12	10.Ø	S						
641.9	1.8	1.2	R2	14	1	Ø	—	—	—	2	12	10.Ø	J	11	13	10.Ø	S						
644.3	2.5	0.1	R2	6	1	1	17	10.Ø	J	2	14	10.Ø	J	70	12	3.Ø	S						
645.0	0.7	0	R1	4	1	4	15	6.Ø	J	6	16	6.Ø	J,G	80	13	2.Ø	S		graphitic gouge				
646.2	1.0	0	R2	8	1	1	8	9.Ø	G	3	8	9.Ø	G,S	30	12	6.Ø	S		graphitic gouge (Fault)				
648.0	1.9	0.7	R2	12	1	1	13	10.Ø	J	5	12	10.Ø	S	26	10	10.Ø	S						
651.1	3.3	2.1	R2	12	1	1	13	10.Ø	J	5	12	10.Ø	S	24	10	10.Ø	S						

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 90-DY-07

Units: Feet / Metres Date: FEB 2/91 Logged By: DRH/RW Page 97 of

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0–~~30~~ 35				35 ~~30–50~~ 65				65 50–70 90				COMMENTS ~~70–90~~				Core Size	Comments
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
																						NQ	
652.9	2.1	1.2	R2	12	1	Ø	–	–	–	2	12	10.0	S	23	12	10.0	S						
655.9	3.2	2.85	R2	13	1	Ø	–	–	–	8	11	10.0	S	20	13	10.0	S						
659.1	3.2	2.3	R2	14	1	Ø	–	–	–	2	11	10.0	S	21	13	8.0	S						
662.3	3.1	2.5	R2	13	1	1	16	10.0	J	1	16	10.0	J	24	14	8.0	S						
665.4	3.1	2.6	R2	14	1	Ø	–	–	–	2	12	10.0	S	23	12	10.0	S						
668.4	3.1	2.1	R2	14	1	Ø	–	–	–	1	12	10.0	S	22	12	10.0	S						
671.6	3.2	2.2	R2	13	1	Ø	–	–	–	3	12	10.0	S	26	12	8.0	S						
674.5	3.1	2.8	R2	14	1	Ø	–	–	–	2	12	10.0	S	13	12	10.0	S						
677.6	3.1	2.7	R2	14	1	Ø	–	–	–	2	12	10.0	S	17	13	10.0	S						
680.6	3.0	2.3	R2	13	1	Ø	–	–	–	2	12	10.0	S	15	12	10.0	S						
683.7	3.15	1.7	R2	13	1	1	14	10.0	J	3	13	10.0	S	32	11	10.0	S						
686.7	3.1	2.2	R2	12	1	Ø	–	–	–	1	16	10.0	J	22	11	10.0	S						
EOH																							

9DDY-07 Lower one

PROJECT _____ DRILLHOLE NO. 9DDY-07 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER J. Bretnall INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
577.2																	
580.9		3.1		2.7				13	F							17	
582.8		1.9		0.2				7	E							43	
584.6		1.8		0.3				9	E							26	crushed rock & gouge below 584.1
587.0		2.4		0.9				7	E							40	V. strgly bndd @ 585.5 - 586.3
590.1		3.1		2.1				11	F							33	
592.2		2.1		1.8				11	|							19	
595.3		3.1		2.1				11	|							34	crushed & bndd @ 592.7 - 593.1
597.4		2.1		1.9				12	|							19	
598.6		1.2		0.9				11	|							7	
601.7		3.1		3.1				14	|							5	
604.7		3.0		2.7				13	|							14	
607.8		3.1		2.1				11	|							31	
608.7		0.9		0.7				11	|							11	
610.5		2.2		0				5	|							34	strgly bndd, comml crushed throughout
613.6		3.1		2.6				14	V							12	crushed @ 613.2 - 613.4
616.0		2.8		2.0													
617.5		2.0		0.1													
620.6		2.9		2.75													
623.6		3.1		2.8													
625.8		2.2		2.0													
626.7		1.3		0.2													
628.8		2.1		0.7													
631.8		3.2		2.1													
633.4		1.7		0.5													
635.5		2.5		2.1													
637.9		2.3		0.7													
640.1		2.5		1.35													

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Fig. 1. Typical rock mechanics core log.

90DY-07

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

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
641.9		1.8		1.2													
644.3		2.5		0.1													
645.0		0.7		0													
646.2		1.0		0													
648.0		1.9		0.7													
651.1		3.3		2.1													
652.9		2.1		1.2													
655.9		3.2		2.85													
659.1		3.2		2.3													
662.3		3.1		2.5													
665.4		3.1		2.6													
668.9		3.1		2.1													
671.6		3.2		2.2													
674.5		3.1		2.8													
677.6		3.1		2.7													
680.6		3.0		2.3													
683.7		3.15		1.7													
686.7		3.1		2.2													
EOH																	

Fig. 1. Typical rock mechanics core log.

DDH 90DY-07 (2 / 8) CURRAGH RESOURCES INC. Page 92 of _____

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

Code	From	To	Feature	Sym	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	111	116	CS	Z	046	54 170	78	
S	180	184	CS	Z	023	25 185	85	
S	210	210	CS	Z	156	43 011	86	
S	295	295	CS	S	069	22 272	88	
S	336	336	CS	Z	057	42 335	85	
S	388	388	CS	S	165	35 346	63	
S	421	421	CS	S	068	31 280	58	
S	505	505	CS	Z	030	12 294	84	
S	525	525	PS	Z	—	—	70	
S	606	606	CS	S	153	05 340	58	
S	670	670	CS	Z	012	52 188	83	
S	729	729	CS	Z	153	30 140	79	
S	799	799	CS	Z	035	55 305	66	
S	851	851	CS	S	048	54 069	85	
S	916	916	CS	S	040	52 000	86	
S	944	944	CS	S	012	41 031	85	
S	997	997	PS	Z	—	—	84	
S	1081	1081	CS	S	057	63 308	77	
S	1127	1127	CS	S	019	63 000	77	
S	1157	1157	CS	S	013	47 006	81	
S	1279	1279	CS	S	010	083 500	80	
S	1340	1340	CS	Z	166	35 068	75	
S	1420	1420	PS	Z	—	—	84	
S	1431	1431	CS	Z	—	20 —	90	
S	1493	1493	CS	Z	—	53 —	90	
S	1543	1543	CS	S	019	51 000	71	
S	1613	1613	CS	Z	170	14 036	82	
S	1670	1670	CS	S	025	31 010	74	
S	1753	1753	CS	Z	013	06 176	76	
S	1766	1766	CS	S	030	38 027	69	
S	1856	1856	CS	S	060	22 016	79	
S	1926	1926	CS	Z	010	10 012	72	
S	1974	1974	CS	S	042	20 044	69	
S	2016	2016	CS	S	031	23 322	71	
S	2083	2083	CS	S	037	34 316	83	
S	2129	2129	CS	S	068	52 293	72	

DDH 90DY-07 (2–8)

CURRAGH RESOURCES INC.
Structural Log

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

Code	From	To	Feature	Sym	~~S0~~ L3 Dip Direct.	S1 Dip Direct.	S2 Dip Direct	Description
1	10–14	16–20	22–24	26	28–32	34–38	40–44	
S		2192	PS2		—	—	84	
S		2273	CS2	Z	020	12 038	80	
S		2283	CS2	S	046	32 040	76	
S		2372	PS2		—	—	79	
S		2413	CS2	Z	078	19 067	74	
S		2502	CS2	S	041	41 032	80	
S		2544	CS2	S	036	59 023	69	
S		2588	CS2	S	032	43 006	85	
S		2643	CS2	Z	058	37 077	79	
S		2700	PS2		—	—	88	
S		2780	CS2	Z	026	30 067	74	
S		2840	CS2	S	071	48 023	69	
S		2853	CS2	S	155	24 023	80	
S		2951	PS2		—	—	88	
S		3003	CS2	S	041	47 025	77	
S		3023	CS2	Z	164	20 205	69	
S		3094	CS2	S	027	09 020	65	
S		3145	CS2	S	049	20 323	58	
S		3233	PS2		—	—	84	
S		3279	CS2	S	028	44 342	78	
S		3337	CS2	Z	020	17 292	73	
S		3378	CS2	S	038	21 020	81	
S		3420	CS2	Z	037	57 245	80	
S		3492	PS2		—	—	82	
S		3558	PS2		—	—	83	
S		3617	CS2	S	060	28 049	79	
S		3645	CS2	Z	052	34 073	84	
S		3750	CS2	S	161	57 017	72	

CONTINUED ON NEXT PAGE

UPPER ORE

DDH 90 DY-07 (2 – 8)

CURRAGH RESOURCES INC.
Structural Log

Page 94 of ____

Date: ____ Logged By: JZ

Code (1)	From (10–14)	To (16–20)	Feature (22–24)	Sym (26)	L_2 Dip (28–32)	L_2 Direct. (28–32)	S_1 Dip (34–38)	S_1 Direct. (34–38)	S_2 Dip (40–44)	S_2 Direct (40–44)	Description
		377.0	PS2						67		
		381.5	PS2						75		
		389.2	PS2						76		PS_2 // banding
		393.6	PS2						78		PS_2 // banding
		399.3	PS2						78		
		407.0	PS2						76		
		411.4	PS2						86		
		418.3	PS2						80		
			LOWER						ORE		
		580.7	CS2	S		081	16	296	69		
		587.9	PS2						55		
		593.7	PS2						62		// banding in 4A4
		599.8	CS2	S			25	312	80		CS_2 in banded 4A4
		603.2	PS2						58		// banding in 4A44

CONTINUED ON NEXT PAGE

DDH 9ØDY-Ø7 (2 8)

CURRAGH RESOURCES INC.
Structural Log

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

Code	From	To	Feature	Sym	Lg 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		4216	CS2	S	Ø22	32 Ø12	77	
S		43Ø1	CS2	Z	Ø35	35 297	7Ø	
S		4347	CS2	S	Ø61	41 Ø39	83	
S		4399	CS2	Z	Ø86	15 Ø84	89	
S		4443	CS2	S	Ø87	25 Ø75	83	
S		4511	CS2	Z	Ø6Ø	24 Ø5Ø	83	
S		4553	CS2	Z	Ø9Ø	59 Ø57	85	
S		4614	CS2	S	Ø6Ø	38 Ø42	85	
S		4668	CS2	S	Ø67	29 33Ø	8Ø	
S		4723	CS2	Z	Ø45	38 177	84	
S		4782	CS2	S	16Ø	25 336	81	
S		4822	CS2	Z	Ø88	Ø5 Ø79	8Ø	
S		4883	CS2	S	167	32 ØØØ	67	
S		4928	CS2	S	Ø54	36 293	8Ø	
S		5Ø84	CS2	S	Ø7Ø	22 276	82	
S		5101	CS2	Z	162	47 144	84	
S		5112	CS2	Z	172	12 ØØ9	84	
S		5168	CS2	S	Ø71	27 272	8Ø	
S		5235	CS2	S	128	33 3Ø5	79	
S		5287	CS2	S	Ø3Ø	29 ØØØ	74	
S		5376	CS2	S	Ø64	25 Ø85	7Ø	
S		54Ø8	CS2	S	Ø93	16 34Ø	73	
S		5477	CS2	S	118	33 32Ø	76	
S		5512	CS2	Z	141	57 318	65	
S		558Ø	CS2	S	134	21 3Ø3	72	
S		5667	CS2	S	123	26 317	59	
S		57Ø9	CS2	S	1Ø8	5Ø 346	67	
S		5789	CS2	S	Ø79	3Ø Ø76	71	
S		58Ø7	CS2	S	081	16 296	69	
S		5879	PS2		—	— —	55	
S		5937	PS2		—	— —	62	// banding in 4A4
S		5998	CS2	S	—	25 312	8Ø	CS_2 is banded 4A4
S		6Ø32	PS2		—	— —	58	// banding in 4A44
S		6Ø74	PS2		—	— —	81	
S		6162	PS2		—	— —	5Ø	
S		6216	PS2		—	— —	67	

DDH 9ØDY-Ø7 (2–8)

CURRAGH RESOURCES INC.
Structural Log

Page 96 of

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

Code	From	To	Feature	Sym	L_3 Dip	L_3 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		6245	CS2	S	42	—	22	32Ø	81	—	
S		6373	CS2	Z	28	—	65	313	67	—	
S		6381	PS2		—	—	—	—	66	—	
S		648Ø	PS2		—	—	—	—	56	—	
S		6517	PS2		—	—	—	—	6Ø	—	
S		6573	PS2		—	—	—	—	6Ø	—	
S		6625	PS2		—	—	—	—	7Ø	—	
S		6682	PS2		—	—	—	—	62	—	
S		675Ø	PS2		—	—	—	—	77	—	
S		68Ø7	PS2		—	—	—	—	87	—	
S		6837	PS2		—	—	—	—	85	—	

DDH 9ØDY-Ø7 (2 8)

CURRAGH RESOURCES INC.
Fault Log

Date: Jan 26/91 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	ØØ	85	4B		ALL MEASURED W.R.T. CA			Overburden
F	95	99	3B					Overburden
F	131	133	1B		5Ø		9Ø	Broken core, Limonitized.
F	191	193	1B		85		86	Broken core, Limonitized.
F	238	243	2B		53		8Ø	Broken core.
F	467	473	2BG		58		88	Broken core, Clayey gouge.
F	52Ø	524	2B		6Ø		87	Broken core.
F	579	585	2B		65		65	Broken core.
F	643	645	2G		87		65	Clayey-carbonaceous gouge
F	8Ø9	811	1B		8Ø		66	Broken core
F	968	974	2BG		82		88	Clayey gouge.
F	1Ø5Ø	1Ø51	1BG		27		78	Clayey gouge.
F	1353	1365	3B		82		84	Broken core. Friable.
F	1379	1383	2B		86		62	Broken core. Friable.
F	1455	1457	1B		72		76	Broken core. Friable, limonitized.
F	146Ø	1465	2BG		72		55	Broken friable core. Some clayey gouge.
F	1483	1487	1B		8Ø		83	Broken friable core.
F	1512	1522	3B		9Ø			Broken friable core.
F	1526	1533	2B		85		75	Broken friable core
F	157Ø	1576	2B		83		83	Broken friable core.
F	1596	16Ø3	2B		8Ø		85	Broken blocky core.
F	1764	1767	1B		9Ø		87	Broken blocky to friable core.
F	1999	2ØØ2	1B		63		67	Broken blocky core.
F	2158	2182	4B		9Ø		9Ø	Broken blocky to friable core.
F	2224	2233	1B		66		72	Broken blocky core.
F	23Ø3	23Ø6	1B		62		72	Broken blocky core. Some clayey gouge
F	2308	2315	1B		82		82	Broken blocky core.
F	233Ø	2358	4BG		9Ø	75	84	Clayey gouge at 235Ø. Friable.
F	2379	2389	3B		68		87	Blocky broken core.
F	2422	2429	1B		8Ø		63	Blocky broken core.
F	2458	2463	1B		67		67	Blocky broken core
F	2747	275Ø	1B		53		65	Blocky to friable broken core.
F	29Ø1	29Ø4	2G		72		73	Clayey gouge.
F	29Ø4	292Ø	2B		83		86	Blocky broken core.
F	3113	3126	3B		75		9Ø	Blocky broken core.
F	3353	336Ø	2B		81		8Ø	Blocky broken core.

DDH 90DX-07 (2 – 8) CURRAGH RESOURCES INC. UPPER ORE

Fault Log

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Date: [illegible] Logged By: [illegible] 2

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	
	—	—			—		—		—		UNLOGGED —
	379.7	380.4			28	—	68	—	19	—	well headed shear fabric with diagnostic SAX texture - odd stratigraphic location no orientation relative S_2 possible
	380.4	381.8			25		10		39		moderately well headed shear locally very soft. No orientation relative S_2 possible Weak linear fabric: 030° within shear plane
	381.8	387.4			19	291	15	154	22	060	sporadic crushed and gouge zones 1.0 - 3.0cm. Generally strongly broken. Mod slicken side
	387.4	393.6			—		21	292	15	917	Open fractures and slip planes are very common and oriented subparallel core axis. Dips are variable
	397.9	405.7			—		—		—		Common breaks along S_2 - strongly broken. rare crushed (≤ 3.0cm)
	415.1	417.3			—		—		—		strongly broken, commonly // S_2
	420.0	420.2			—		27	130	—		crushed and gouged

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

Fault Log

Date: Jan. 29/91 Logged By: D. Hallivell

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	435.6	435.9	2,G,B		30 058			Clay-chloritic fault gouge (435.65) underlain by blocky core. Fault plane is at CA 60° (upper contact), CA 31° (fault gouge just below upper contact), CA 82° (lower contact)
F	446.3	446.5	1,B					Blocky core. No gouge. Upper contact at CA 87°. Lower contact at CA 28°
F	449.1	449.6	2,B					Blocky core. No gouge. Upper & lower contacts at CA 87°
F	471.6	472.1	1,B					Blocky core. No gouge. Upper contact at CA 36°. Lower contact at CA 88°.
F	520.5	520.9	1,B					Pyrite with sphalerite selvage in quartz band concordant (CA 88°) vein within blocky interval.
F	526.0	526.8	2,B					Blocky to friable zone. No gouge. Contacts both at CA 80°
F	531.3	532.0	1,B					Blocky zone. No gouge. Contacts both at CA 80°-85°.
F	536.8	636.9	2,G,B					White clayey gouge. Friable zone. Upper, lower contact at CA 66°, CA 69°, respectively.
F	543.5	544.9	2,B					Friable zone. No gouge. Upper contact at CA 85°. Lower contact at CA 80°.
F	564.2	565.5						Blocky to friable graphitic zone. Upper, lower contacts at CA 85°, CA 35°, respectively

DDH 90DY-07 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

Date: Feb 3/91 Logged By: D. 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	5644	5647						Locally brecciated C-fractures at CA4-24°, S-fractures at CA44-57°. Synthetic minor structures to major structure. Too much potential for rotated breccia clasts and variable S_2 for measurements relative S_2. Clay-graphite fault gouge at lower contact, ≤0.05m wide.

CONTINUED ON NEXT PAGE

DDH 90DY-07 (2–8) Lower ORE

CURRAGH RESOURCES INC.
Fault Log

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Date: Dec '90 Logged By: J. Zbeal/ft

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	
	584.2	584.6					37 025	Crushed rock & gouge
	592.4	592.9			45 317			strongly broken, minor crushed rock and gouge

CONTINUED ON NEXT PAGE

DDH 90DY-07 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

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

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	607	608	1,B					Blocky zone, No gouge. Upper, lower contacts at CA 89°, CA 50°; respectively.
F	6086	613	3B					Blocky to friable zone. No gouge. Upper, lower contacts at CA 72°; CA 75°; respectively
F	6271	6278	1,B					Blocky zone, No gouge. Upper, lower contacts at CA 83°, CA 75° respectively.
F	6374	6379	1,B,G					Blocky zone. No gouge. Upper, lower contacts at CA 68°, 75°; respectively. Graphitic gouge at lower contact
F	6380	6382	2,G			ØØ		Graphitic gouge at 638.Ø at CA 50°. 0.5cm thick. Approx. Ø° to S_2 (parallel S_2)
F	6419	6434	2,B					Blocky zone. No gouge.
F	6440	6467	4,B,G				36	Blocky to friable zone with graphitic gouge (1-3% graphite, overall) at lower contact at CA 30° (S_2 at CA 36°.
F	6509	6516	1,B					Blocky zone. No gouge
								687.7m = EOH

7.9
9.5
11.0
90 DY-07 Box 2
14.0
17.1
90-DY-7 Box 3
20.1
22.6
90 DY-07 Box 4
25.3
26.2
29.3

90-DY-07 Box 5
29.7
32.3
35.4
90 DY-07 Box 6
38.4
39.9
90 DY-07 Box 7
41.45
43.4
44.5
90 DY-07 Box 8
46.9
48.2
50.6

90 DY-07 BX9
53.0
54.4
56.1
57.1
90 DY-07 BX10
59.1
62.2
90 DY-07 BX11
65.5
68.6
90 DY-07 BOX 12
71.6

90 DY-07 BX 13
74.7
78.0
90 DY-07 BX 14
81.1
84.1
90 DY-07 BX 15
87.2
90.2
90 DY-07 BX 16
93.3
96.3

90 DY-07 Box 17
97.8
99.4
102.4
90 DY-07 Box 18
105.5
108.5
90 DY-07 Box 19
111.6
90 DY-07 Box 20
114.6
117.7

90 DY-07 Box 21
120.7
123.7
90 DY-07 Box 22
126.8
129.8
90 DY-07 Box 23
132.9
132.9
135.9
90 DY-07 Box 24
138.1
139.0
142.0

90 DY-07 Box. 25
145.1
148.1
90 DY-07 BX 26
151.2
153.3
90 DY-07 BX 27
156.4
158.2
90 DY-07 BX 28
160.3
163.4

90 DY-07 BX 29
166.4
169.5
90 DY-07 BX 30
172.5
175.6
90 DY-07 Box 31
176.4
176.7
178.6
90 DY-07 Box 32
181.7
184.7

90 DY-07 Box 33
187.8
190.8
90 DY-07 Box 34
193.9
196.9
90 DY-07 Box 35
199.9
203.0
90 DY-07 Box 36
206.0
208.2
209.1

90 DY-07 Box 37
212.0
212.1
215.2
90 DY-07 Box 38
mis
Latch
218.2
221.3
90 DY-07 Box 39
224.3
227.1
90 DY-07 Box 40
230.1
230.9

90 DY-07 Box 41
233.5
235.0
237.1
238.7
90 DY-07 Box 42
241.7
244.0
90 DY-07 Box 43
245.1
246.3
248.4
249.1
90 DY-07 Box 44
251.6
252.0
254.1
254.8

257.9
260.9
90 DY-07 Box 46
264.0
265.1
265.6
266.3
267.0
90 DY-07 Box 47
270.1
273.1
90 DY-07 Box 48
276.1

90 DY-07 BX 49
279.2
282.3
90 DY-07 BOX 50
285.3
288.0
289.9
90 DY-07 BOX 51
291.4
294.4
90 DY-07 Box 52
297.5
300.5

90 DY-07 Box 53
303.6
306.6
90 DY-07 Box 54
309.7
311.5
90 DY-07 Box 55
313.0
313.9
317.0
90 DY-07 Box 56
320.2
323.2

90 DY-07 BOX 57
326.4
329.5
90 DY-07 BOX 58
332.5
90 DY-07-BOX 59
335.6
338.8
90 DY-07 BOX 60
342.0
346.3
345.0

90 DY-07 Box 61
349.3
90 DY-07 Box 62
352.3
355.4
90 DY-07 BOX 63
358.4
361.5
90 DY-07 BOX 64
364.5
367.6

90 DY-07 BOX 65
370.6
372.3
373.7
374
90 DY-07 BOX 66
376.7
377.6
379.8
90 DY-07 Box 67
382.5
384.4
385.9
90 DY-07 BX 68
388.9

90 DY-07 Box 69
391.7
394.7
90 DY-07 Box 70
397.8
400.8
90 DY-07 Box 71
403.9
406.9
90 DY-07 Box 72
410.0
413.0

90 DY-07 Box 73
416.1
419.0
90 DY-07 Box 74
418.1
421.9
422.2
90 DY-07 Box 75
425.2
428.2
90 DY-07 Box 76
431.3
434.3
434.4
435.3
435.4
435.6

4374
4484
90 DY-07 Box 78
4435
4465
90 DY-07 Box 79
4496
4528
90 DY-07 Box 80
4587

90 DY-07 Box B1
458.7
461.8
90 DY-07 Box B2
464.8
467.9
90 DY-07 Box B3
471.2
474.3
90 DY-07 Box B4
477.3
480.4

90 DY-07 Box 85
483.4
486.5
489.5
492.6
495.6
90 DY-07 Box 88
498.7
501.7

90 DY-07 Box 89
504.7
507.8
90 DY-07 Box 90
510.8
513.9
90 DY-07 Box 91
516.9
520.0
90 DY-07 Box 92
523.0
526.1

90 DY-07 Box 93
528.5
531.0
531.6
531.9
90 DY-07 Box 94
534.1
531.9
537.0
537.5
90 DY-07 Box 95
540.0
540.7
543.5
543.8
544.7
547.4

550.5
552.9
556.0
559.0
562.1
565.1
568.3
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90 DY-07 Box 102
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40 DY-07 BX 113
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DY-07 Box 116
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90 DY-07 Box 117
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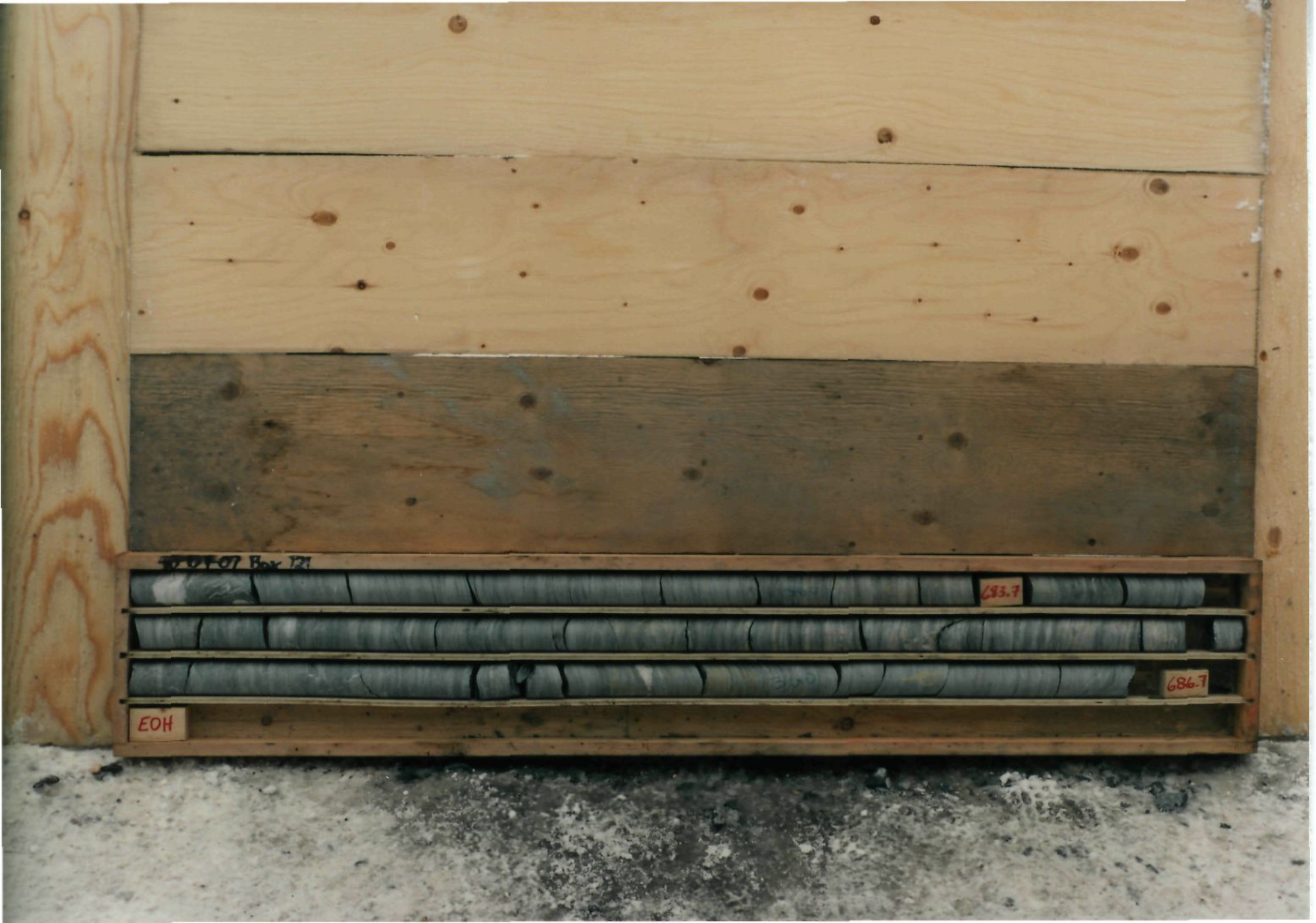
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90 DY-07 Box 71
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90-DY-07 Box 5
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90 DY-07 BOX 41
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