DDH 91G-22 (J)

CURRAGH RESOURCES INC.

Lithologic Log

004094

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Date: Nov '91 Logged By: [illegible]

Code	From	To	Recov.	No.	Unit	Description
	0.0	21.7			8	CASING
	21.7	27.4			86	O/B very poor recovery, mud from 26.8-27.4.
	27.4	40.6			20	(60w) 95:05 Medium gray, noncalcareous, PS_2 foliated phyllite is moderately to strongly broken and hosts 5% Quartz-dolomite veins on the 2-3cm scale. Veins are parallel S_2. Gouge occurs at 36.8-37.1. Rock is moderately soft to soft and has good recovery. Lower contact is marked by quartz vein parallel S_2
	40.6	45.5			20	(60w: 47) 82:15:03 Medium gray, non-calcareous phyllite is PS_2 foliated and hosts 15% dm and cm scale quartz-dolomite veins. Veins generally trend // S_2, rarely are discontinuous clotty blebs. Interval supports 3-5% unit 47 in dm-cm scale bands // S_2. Interval is moderately to strongly broken and has good recovery. Rock is moderately soft and has good recovery. Upper and lower contacts are marked by irregular cm-scale quartz veins

DDH 916-22

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: J. Zbeda

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	45.5	53.7			20	
						Medium gray non-calcareous PS -foliated phyllite is moderately to strongly foliated and host rare occurrences of cm scale gouge bands and narrow crushed zones trending in similar orientation as gouge. Rock is moderately soft & has good recovery. Upper contact is marked by an irregular cm scale quartz vein lower contact is sharp and parallel Sb.
	53.7	54.0			47	(30) 60:40
						Medium yellowish green, slightly gray, fine grained, non-calcareous PS -foliated unit contains no remnant igneous texture nor any texture of phyllite. Rock is unbroken slightly soft to slightly hard and has sharp upper and lower contacts // Sb. Interval supports a black non-calcareous graphitic phyllite at 53.85 - 54.0. Phyllite contacts are sharp and // Sb. Graphitic phyllite hosts 2-3% pyrite with // the strong PS foliation.
	54.0	54.9			3	ZGP (47) 99:01
						Medium to light gray, non-calcareous, strongly silicified, moderately mineralized unit hosts more Pb+Zn mineralization than Py. Mineralization occurs in well defined bands 0.5 - 0.75 cm wide commonly tracing Sb, sporadically tracing Sb. Interval

DDH 91G-22 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: J. Goudreau

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						hosts 1% olive green - yellow non silicified rock which has contacts tracing S_2 and is internally contorted by quartz blebs. Rock is hard, slightly to moderately broken and has good recovery. Upper and lower contacts are sharp and parallel S_2. Estimated grade is 5-7%
	54.9	55.8			47	Q_W Olive green - yellow noncalcareous PS_2 foliated unit host 3-5% 2-3mm quartz dolomite veinlets which trace S_2 and are sporadically discontinuous and wispy. Rock is slightly soft, moderately broken and has good recovery. Upper and lower contacts are sharp and parallel S_2. No grade
	55.8	57.2			3	g P →2M(3ZGP : 5c : 47)88:10:02: trace Unit is dark gray and brownish yellow, non-calcareous and hosts 20-25% pyrite. Generally graphitic matter occurs as silicous bands from 2-3 mm wide within a silicous pyritic - matrix. Unit is very slightly trending to massive pyritic unit but greatly lacks sulfide pyrite content. Unit is barren of graphitite at 55.8-56.1

DDH 91G-22

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: J. Zbeda[illegible]

Code	From	To	Recov.	No.	Unit	Description
						Interval supports a weakly calcareous pyrite rich band (60%) that contains fragments and wisps of graphitic matter. This pyrite rich band occurs at 56.5-56.6. Interval supports a 1.5cm band of unit 47 at 57.1. Rocks are hard, slightly to moderately broken and have good recovery. Estimated grade is 5-7%. Interval does <u>not</u> display ribbon banding.
	57.2	58.3			47	(3) trace
						Medium to light olive green-yellow unit is weakly brecciated and well healed. Breccia texture slightly disrupts S_0. Rock is soft, generally slightly broken locally strongly broken. Interval supports trace-1% narrow bands of graphitic tracing S_0. Recovery is fair to good. Upper and lower contacts are sharp and parallel S_0.
						No grade
	58.3	58.9			3	gPZG M
						Dark gray and brownish yellow, non-calcareous unit is highly siliceous and contains 25% wisps and narrow bands of graphitic rich rock. Unit contains 25-30% pyrite and moderate Pb+Zn mineralization. Banding is weakly developed. Rock is hard moderately broken and has good recovery. Upper and lower contacts are sharp and // S_0. Estimated grade is 7%.

DDH 91G-22

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: J. Zbeda...

Code	From	To	Recov.	No.	Unit	Description
	58.9	59.4			44	## lj
						Yellowish buff and green, non-calcareous strongly altered metabasite hosts 7% chloritized mafic mineral and leucoxene wisps and clots. PS_2 is weakly to moderately developed. Rock is soft, locally crushed and has good recovery throughout. Upper and lower contacts are sharp and parallel S_2
	59.4	60.0			7	c ±#
						Slightly tarnished brassy yellow to dark brown, weakly calcareous vuggy massive sulphide band is very dense and presumed baritic. Interval consists of 60-70% pyrite and is locally slightly friable into sand. Unit is suspect to be slightly refractory. Interval contains 10% open fractures and vuggs. Unit is very crudely banded $//S_2$ with bands defined by slightly friable and moderately friable bands 1-5mm wide - contacts are not sharp. Rock is slightly to moderately soft, moderately to slightly broken and has good recovery. Upper and lower contacts are sharp and parallel S_2
						Estimated grade is 10-12%.
	60.0	60.7			47	# (3g → 5m : 44 ## j → 72) 60:40: trace
						Tan to tanish yellow, PS_2 foliated, non-calcareous unit is non-sericitic, moderately soft and slightly broken. Upper

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: J. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contact is marked by a 2cm band of crushed metabasalt that hosts 3-5% fuchsite. Lowest 25 cm is noted as a semi massive sulphide band that is moderately mineralized and contains 5-10% graphitic fragments and wisps. All but lower contacts are sharp and // S_2. Lower contact is marked by a barren dm-scale irregular quartz vein. Estimated grade over all is 2-3%.
	60.7	62.0			54	± → 72 (5m) 99:01 Yellowish green, non-calcareous moderately sericitic unit is soft locally approaching gouge. Unit is BS_2 foliated strongly to very strongly, broken and has fair recovery. Interval supports a 10cm band of strongly brecciated and moderately to highly rotated massive sulphide fragments at 61.9. Upper and lower contacts are sharp and parallel S_2. Brecciated massive sulphides trend parallel S_2. No grade expected.
	62.0	62.4			30	± q Dark gray to black, noncalcareous phyllite is very strongly broken to crushed. Unit is slightly silicified over the upper 3cm. Unit hosts 1-2% fine grained wispy pyrite clots oriented parallel BS_2 fabric. Rock is moderately soft, and has

DDH 91G-22

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: F. Zheddnoff

Code	From	To	Recov.	No.	Unit	Description
						good recovery. Upper and lower contacts are sharp and parallel S_2.
	62.4	63.0			5	c M (30) 85:15
						Brassy yellow, weakly to very weakly calcareous massive suphide band is locally slightly vuggy and host 5% clots, wisps and fracture coatings of graphitic phyllite. Interval is moderately hard, moderately to locally very strongly broken and has good recovery throughout. Upper contact is very sharp and // S_2. Lower contact is very strongly broken to crushed.
						Estimated grade is 5%.
	63.0	68.3			30	g ± gg PZG L→M (74) 98:02
						Dark gray to black, non-calcareous unit generally weakly silicified throughout and locally is strongly silicified and hosts moderate to weak mineralization tracing both S_2 and S_1. True ribbon banding does not exist. Unit has a high phyllitic component and commonly slightly scratches with nail. Interval hosts a moderately well healed breccia at 66.6-67.1. Interval also hosts 5% irregular white quartz veins from 3.0-20cm wide. Veins support numerous wall rock fragments. Rock is

DDH 91G-22

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: S. Zbeda-ff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						slight, hard, strongly broken and has good recovery. Upper contact is crushed, lower contact is noted by an irregular quartz vein against lower footwall gouge. Unit contains 5-7% pyrite. Estimated grade is 2-3%.
	68.3	68.7			72	(47→54→72) 75:25 Dark gray to black gouge hosts crushed and gouge that is lyte yellowish tan which could be unit 47 or 54! Recovery is fair to good. Upper contact is marked by an irregular quartz vein against gouge. Lower contact is sharp and // S_2. No grade recorded.
	68.7	75.9			39	q±gg2PG → 2M (47:72) 97:02:01 Dark gray to black, non-calcareous, moderately silicified unit hosts 2-3% pyrite and moderate to weak Pb+Zn mineralization. Ribbon banding is sporadic and poorly defined at best. Unit is moderately phyllitic and mineralization traces both S_2 and S_1. Unit is generally S_2 foliated. Interval hosts 2-3% dm scale irregular quartz veins with a moderate component of wallrock fragments. Interval supports a 10cm graphitic gouge band

DDH 91G-22 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar'91 Logged By: D. Sheehan

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						at 69.3. Rock is generally slightly to moderately hard strongly broken, locally crushed. Recovery is good. Upper contact is sharp and parallel S_2. Lower contact is noted as crushed rock of this unit and gouge of lower unit. Estimated grade is 3-5%.
	75.9	78.2			30	→ 74 (72) 98:02 Dark gray to black non-calcareous graphitic phyllite is very strongly broken to crushed, gouge is sporadic ~~to~~ and occurs at upper and lower contact. Unit is not silicified, slightly soft and hosts trace-2% pyrite veins. Recovery is surprisingly good. Upper contact is gouge against crushed rock. Lower contact is sharp and // S_2.
	78.2	79.9			20	± g ± q P (47:72) 97:02:01 Medium to slightly dark gray, non-calcareous phyllite is slightly graphitic. Rock is strongly broken, moderately soft and has good recovery. Unit is slightly to moderately silicified at 78.4-78.6 and hosts 2-10% pyrite - no Pb+Zn noted. Internal hosts a 15cm band of unit 97 at upper contact and a gouge over last 10cm. Upper contact is sharp and // S_2 Nil. grade.
		79.9				EOH

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Logged by T. Bradish

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

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	0.	514.					waste
	514.	514.	643643		1.	3	
	514.	555.	3414		9.	471	
	555.	571.	31415		1.	3	
	571.	581.	31416		1.	471	
	581.	581.	3417		9.	3	
	581.	591.	31418		9.	441	** li
	591.	601.	31419		9.	15	possibly partially retrograding
	601.	601.	31510		9.	471	1 => 3
	601.	621.	31511		9.	54	
	621.	621.	31512		9.	30	
	621.	631.	31513	+	0.	15	(30) 85:15
	631.	641.	31514		1.	30	g ± gg P2G →2m
	641.	651.	31515		1.	30	" →2m
	651.	671.	31516		1.	30	" →2m
	671.	681.	31517		9.	30	" →2m
	681.	681.	31518		9.	72	
	681.	691.	31519		9.	3K	gg 2G? →2m
	691.	701.	31610		1.	30	"
	701.	721.	31611		1.	30	"
	721.	731.	31612		1.	30	"
	731.	751.	643613		1.	30	"
	751.	791.					Wast
		791.					EOH

DDH 91G-22 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Mar '91 Logged By: S. Zbrodnik

Code	From	To	Feature	Sym	S_3 / 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	
		129.9	PS2		123		55	
		135.3	PS2		126		56	
		140.5	PS2				62	
		143.8	PS2				65	
		149.6	PS2				47	
		155.2	PS2				46	
		161.5	PS2				46	
		165.6	CS2	Z		27 150	44	
		171.1	CS2	S		21 026	71	
		173.5	CS2	S		18 320	69	
		179.6	PS2				72	
								EOH @ 179.9

DDH 91G-22 (2 8) CURRAGH RESOURCES INC.

Fault Log

Date: Mar '91 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	
	68.3	68.7						Gouge
	69.3	69.4						Gouge burd
	73.9	78.2						strongly brk to rough
								EOH @ 79.9

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 916-22

Units: Feet / Metres Date: Nov '91 Logged By: S. Zbrodoff Page 15 of 16

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30 No	0-30 Rough	0-30 Alt	0-30 Type	30-65 No	30-65 Rough	30-65 Alt	30-65 Type	65-90 No	65-90 Rough	65-90 Alt	65-90 Type	CORE SIZE	COMMENTS
21.7																		NQ	CASING
87.4																			0/B very poor recovery
30.2	2.5	0																	
31.1	0.7	0.1																	
32.6	1.4	0.1																	
35.4	2.7	0.3																	
37.2	1.8	0.1																	
37.8	0.6	0.1																	
39.3	1.3	0.2																	
40.2	0.9	0.3																	
40.8	0.6	0.1																	
41.8	0.7	0.1																	
43.3	1.3	0																	
44.9	1.5	0.5																	
46.3	1.4	0.6																	
47.9	1.5	0.2																	
49.4	1.5	0.6																	
50.9	1.4	0.7																	
52.4	1.4	0.1																	
53.9	1.5	0.3																	
55.5	1.6	0.7																	
57.0	1.5	1.0																	
58.5	1.5	0.3																	
60.1	1.5	0.4																	
61.6	1.3	0.3																	
63.1	1.5	0.1																	
64.6	1.5	0																	
65.5	0.9	0.1																	
67.1	1.6	0.7																V	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91 G-22

Units: Feet / Metres   Date: No, '91   Logged By: J. Zbedt [illegible]   Page 16 of 16

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES 0-30				FRACTURES 30-65				FRACTURES 65-90				CORE SIZE	COMMENTS
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
																		NW	
68.6	1.3	0.5																	
70.1	1.5	0.3																	
71.6	1.5	0.9																	
73.3	1.6	0.2																	
75.0	1.3	0.1																	
75.6	0.6	0																	
76.8	0.7	0																	
78.3	1.3	0																	
79.9	1.5	0																	
EOH																			EOH

DDH 91G-27 **CURRAGH RESOURCES INC.**

Logged by [illegible]

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

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	0.0	54.0					Waste
	54.0	54.9	64343		1.[illegible]	3	
	54.9	55.3	344		0.[illegible]	47	
	55.3	57.2	345		1.[illegible]	3	
	57.2	58.3	346		1.[illegible]	47	
	58.3	58.9	347		0.[illegible]	3	
	58.9	59.4	348		0.5	44	## dj
	59.4	60.0	349		0.6	5	possibly partially refractory
	60.0	60.7	350		0.[illegible]	47	1 -> 3
	60.7	62.0	351		0.9	54	
	62.0	62.4	352		0.4	30	
	62.4	63.0	353	+	0.6	5	(30) 85:15
	63.0	64.0	354		1.0	30	g ± gg P2G →2m
	64.0	65.5	355		1.3	30	" →2m
	65.5	67.1	356		1.5	30	" →2m
	67.1	68.3	357		0.9	30	" " →2m
	68.3	68.7	358		0.4	72	
	68.7	69.4	359		0.[illegible]	30	gg 2GP →2m
	69.4	70.8	360		1.4	30	"
	70.8	72.5	361		1.3	30	"
	72.5	73.9	362		1.4	30	"
	73.9	75.9	64363		1.3	30	"
	75.9	79.9					Waste
		79.9					EOH