DDH 1916-47 (uu)

CURRAGH RESOURCES INC.
Lithologic Log

004083

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Date: Mar 91 Logged By: B. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
	0.0	35.1			84	CASING
	35.1	47.5			86	1/3 very poor recovery.
	47.5	48.6			20	→74 (72:5) 79:20:01 Medium gray rubble is non-calcareous and hosts two highly ground massive sulphide cobbles (1-1.5cm in dia) at upper contact. Recovery is poor to very poor. Lower contact is noted by gouge / mud.
	48.6	51.7			71	(7c#@: 44##j →72) 97:03:trace Reddish brown non-calcareous massive sulphides are fairly well banded //S2. Unit is very fine grained and appears to contain 30% pyrite, syngenetic bands and a very significant Pb+Zn content. Interval is moderately vuggy with pinhead size pores and moderately to weakly calcareous at 48.6 - 49.2. The calcareous zone is slightly friable into sandy material and may be refractory. The rest of the interval is slightly hard, very dense, slightly to moderately broken and has good recovery. Interval supports a 1.5cm band of strongly altered crushed metabasite at 49.4. Upper contact is irregular and marked by mud-flow overburden: Weak alteration and possible refracture are may exist to 49.2. Lower contact

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: E. Scott

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						sharp and very irregular.
						Estimated grade is 20-25%
	51.8	52.8			5	H (7H) 80:20
						Brassy Yellow Non-calcareous massive sulphides are
						textureless and contain 80-85% pyrite. Interval contains a
						20cm band of baritic massive sulphides @ 52.5. Baritic
						zone is non-calcareous and well banded and has sharp
						contacts with pyritic sulphides parallel banding. Rock is
						slightly to moderately hard, slightly broken and have good recovery.
						Upper contact of interval is sharp and very irregular. Lower
						contact is sharp and parallel banding // S_0 at lower unit.
						Grade is difficult to estimate. 5-15%.
	52.8	55.3			17	±c H (44**j w) 99:01
						Purple brown and light grey/lilac purple, non-calcareous massive
						sulphides are commonly fair well banded // S_0 (?). Unit is
						very dense, baritic and contains 30-35% pyrite. Interval
						hosts trace -1% strongly altered metabasite clots and bands
						30 cm from lower contact. Metabasite contains a high dolomite(?)
						ankerite(?) content. Interval is slightly to moderately hard, moderately
						to slightly broken and has good recovery. Upper contact is

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: S Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						sharp and parallel banding. Lower contact is sharp, parallel banding and S_2 and is moderately to weakly calcareous over the lowest 15cm.
	55.3	56.4			44	## jcl ± → 72 (7H → 74) 99:01 Light gray and green, weakly locally very strongly calcareous, very strongly altered metabasite. Unit hosts 20% fuchsite and chlorite wisps parallel a very strong S_2 fabric. Rock is soft, locally crushed and approaching gouge. A weak shear fabric is very localized and yields 020/10° wrt S_2. Metabasite hosts wisps and fragments of baritic massive sulphides typically oriented // S_2. Recovery within unit is good. Upper and lower contacts are sharp and parallel S_2 / banding. No grade.
	56.4	58.5			7	± c H Brownish purple (light SI%), noncalcareous, well banded baritic massive sulphides hosts 20-25% pyrite within a very fine grained baritic / sph matrix. Unit hosts ovoid blobs of unit 5 associated with contorted banding. Blobs vary from 0.5 x 1.5 cm to 2.0 x 3.5 cm. Blobs constitute

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: J. Zbeeran

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						1% of interval. Interval is slightly to moderately soft slightly to moderately broken and has good recovery. Upper contact is sharp 11 S_2 and banding and is weakly calcareous over upper 10cm. Lower contact is sharp and 11 S_2.
	58.5	59.8			5T	→ 7H (44 #'s & Pc) 92:08
						Brassy yellow, noncalcareous pyritic massive sulphide contain 60-80% pyrite and progressive becomes more barite and less pyrite down hole. Band is non evident over the upper 80-90cm and becomes progressively better defined down hole. Interval supports a strongly altered very weakly calcareous metabasite at 58.52 to 58.65. Metabasite is buff or fuchsite but does have 20% chlorite clots wisps and bands. Metabasite hosts 3-5% stringer pyrite clots generally tracing a moderately strong S_2 fabric. Metabasite contains very sharp contacts 11 S_2. Interval is moderately to slightly hard, moderately broken and has good recovery. Upper contact is sharp and parallel S_2. Lower contact is gradational noted as a loss of pyrite and a gain of barite down hole.
						Estimated grade is 10-12%

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov '91 Logged By: T. Woodcroft

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	59.8	61.0			7	±c
						Light tan and yellowish purple, non-calcareous locally very weakly calcareous unit is strongly barite and hosts 30-40% pyrite. Banding is fairly well defined and is represented by variations in pyrite and barite. Rock is moderately to slightly hard, slightly broken, locally strongly broken and has good recovery throughout. Upper contact is gradational with a loss of pyrite and a gain in barite within upper unit. Lower contact is sharp and 11 to and banding.
						Estimated grade is 10-15%
	61.0	62.6			5	(7H) 97:03
						Brassy yellow, non-calcareous massive sulphides contain 80-85% pyrite and is generally textureless, although very rare bands of sph mineralization upto 0.5cm wide are noted. Unit hosts a 3cm band of light grayish purple barite massive sulphides at 61.7. Rock is moderately to slightly hard, slightly broken, rarely strongly broken. Recovery is good throughout. Upper and lower contacts are sharp and 11 to banding.
						Grade is difficult to estimate, 5-7%.

DDH 916-47

CURRAGH RESOURCES INC.

Lithologic Log

Date: Mar '91 Logged By: F. Scott

Code	From	To	Recov.	No.	Unit	Description
	62.6	63.7			H	
						light grayish purple, non-calcareous, strongly bertic unit is well banded and hosts 25-40% pyrite. Rock is slightly to moderately soft, slightly broken and has good recovery. Upper and lower contacts are sharp and parallel ½ Estimated grade is 15%.
	63.7	64.3			M	
						Brassy yellow, non-calcareous massive sulphides contain 80-85% pyrite and scattered bands of slightly coarser grained sph mineralization. Unit is strongly to moderately broken with tarnished fractures very common. Rock is moderately hard and has good recovery. Upper and lower contacts are sharp and // bandings.
	64.3	67.5			H	(5→74) 75:25
						Yellowish brown-slightly purple, non-calcareous unit is moderately locally strongly bertic and contains 30-40% pyrite. Interval hosts 25% pyritic massive sulphides occurring as blocks supported within bertic unit. Blocks vary from 2.5-10cm wide and are consistent brecciated and very well healed. Block contacts are highly variable. Breccia is typically fragment supported with fine grained matrix becom

DDH 91-547

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mai '91 Logged By: S. Blendell

Code	From	To	Recov.	No.	Unit	Description
						high in Zn content and containing a ± Ba content. At 66.5 – 66.8 interval displays a weak S_2 which crosscuts well defined banding and indicating Z asymetry with banding oriented @ 150/40 w.r.t S_2. S_2 trends 50° tca. Rock is slightly to moderately hard, slightly broken and has good recovery. Upper contact is sharp and // banding. Lower contact is "eyeballed" where higher barite content is replaced by a higher pyritic material/rock. Lower contact is subjective over 30cm.
						Estimated grade ± 15-17%
	67.5	72.0			5	± 74 (7H:7#c.e) 60:40 : trace
						Brassy, yellow, non-calcareous, massive sulphides contain 80-85% pyrite. Interval hosts 30-40% barite massive sulphides occuring as bands from 1.0-15cm wide. Barite units are non-calcareous and moderately well banded. A barite unit at 70.6 represents a moderately open fold nose (see yellow lines tracing banding in photograph). Pyritic massive sulphides are rarely brecciated and well healed with a galena rich matrix. A wispy unit 44 occurs at 70.7. Rocks are slightly to moderately hard, slightly broken and have good recovery. Upper contact is subjective and noted as a reduction in barite unit and an increase in pyritic massive sulphides. Lower contact is sharp and // S_2
						Estimated grade is 15%

DDH 91G-47

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	72.0	72.6			60	CW (5¢ : 44 ## lc) 80:15:05 White and buff quartz vein hosts calcite, dolomite, clay minerals (white) and a very soft, semi translucent turgose mineral that is non-calcareous. Vein also hosts 15% 1.0-2.0cm bands of calcareous pyritic massive sulphides and a 1.5cm strongly altered. All minerals and units trend 11 S2. Rocks are moderately to strongly broken and have good recovery. Upper and lower contacts are sharp and // S2 No significant grade.
	72.6	73.8			7	→ 5 H Brassy yellow and purplish brown, non-calcareous massive sulphide unit is moderately barren and hosts 50-60%. Unit is moderately well to poorly banded. Rock is moderately to slightly hard, moderately broken, strongly broken at upper contact. Recovery is good below broken upper contact, fair above. Upper and lower contacts are sharp. Lower contact is irregular but trends // S2. Estimated grade is 17-20%.
	73.8	74.3			30	P (72) 50:50 Dark gray to black, non-calcareous, graphitic phyllite is gouge above 74.1. Below 74.1 unit contains 1% pyrite veins, and is moderately to slightly soft. Upper contact is very irregular & sharp and generally follows S2. Lower

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CURRAGH RESOURCES INC.
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Date: Mar '91 Logged By: J. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contact is gradational over 5cm and noted as a progressive loss in graphite.
	74.3	77.4			29	l → g
						Dark gray, non calcareous, NON GRAPHITIC PS foliated phyllite is moderately soft and contains a significant amount of dark gray to black chloritic. Rock is moderately to strongly broken and has good recovery. Po and Py are rare. Upper contact is gradational over 5cm and noted as a reduction of graphite at upper unit and a slight lightening in color. Lower contact is also gradational and noted as a progressive increase in green chlorite over lowest 10cm of interval.
	77.4	78.0			29	l Qw
						Medium greenish gray, non-calcareous, weakly to moderately chloritic PS foliated phyllite is moderately soft to soft. Unit is moderately broken and has good recovery. Lower contact is marked by a 10cm quartz-dolomite vein at 11°. Upper contact is gradational over 10cm and noted as green chlorite becoming more dominant down hole.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: T. Zbeetnoff

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	78.0	79.3			3	M->H (20l -> 20s) Light gray, non-calcareous, strongly siliceous unit is moderately to strongly Pb+Zn mineralized occuring in bands // S_2 from 0.5 to 1.5cm wide. Interval hosts 10% pyrite. Interval supports a moderate to high "phyllite" component above 78.4. Phyllite is slightly greenish to very light gray, moderately to weakly sericite and slightly chlorite. Quartzite is hard, phyllite is moderately soft. Rocks are slightly broken and have good recovery. All contacts are sharp and // S_2
	79.3	80.4			40	clw ± gZG? Medium green, moderately to slightly calcareous phyllite is generally PS_2 locally CS_2 foliated. Unit hosts rare wisps and blebs of moderate silicification and associated Pb+Zn mineralization. Unit also hosts 1-2% granite dolomite veining also with Pb+Zn mineralization. Phyllite is generally moderately soft locally moderately hard. Rock is moderately to strongly broken with good recovery. Upper and lower contacts are sharp and parallel S_2. Estimated grade is <1%
	80.4	85.3			40	cc l->g Dark gray, strongly calcareous, CS_2 locally PS_2 foliated phyllite is NON-GRAPHITIC. Dark gray color is

DDH 91G-47

CURRAGH RESOURCES INC.
Lithologic Log

Date: Mar '91 Logged By: E. Zbeedy

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						presumed to originate from very dark chlorite. Unit is moderately silt. Rock is moderately broken and has good recovery. Unit hosts 1-2% pyrite and 1% Po occurring as 1-2mm clots throughout. Upper contact is sharp and parallel Sy.
		BS.3				EOH

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Logged by D. Sheehy

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

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10	48					Waste
	48	49	643241		0.	7	possibly refractory
	49	50	43242		1.	7	
	50	51	43243		1.	7	
	51	52	43244		1.	5	
	52	54	43245		1.	7	
	54	55	43246		1.	7	
	55	56	43247		1.	AA	
	56	58	43248		2.	7	
	58	59	43249		1.	5	→ 7H
	59	61	43250		1.	7	
	61	62	43251		1.	5	(7H) 97:03
	62	63	43252		1.	7	
	63	64	43253		1.	5	
	64	65	43254		1.	7	
	65	67	43255		1.	7	
	67	68	43256		1.	5	
	68	70	43257		1.	5	
	70	72	43258		1.	5	
	72	72	43259		0.	610	
	72	73	43260		1.		
	73	78					Waste
	78	79	43261		1.	3	
	79	80	643262		1.	AD	Q + q ZPb
	80	85					Waste

C.R.I. 1987 E-5

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CURRAGH RESOURCES INC.
Structural Log

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Date: Mar '91 Logged By: E. Zbinden

Code	From	To	Feature	Sym	Bedding Dip	Bedding 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		
		50.1	BS2						28		Banding
		57.1	BS2						44		"
		59.1	BS2						50		"
		66.1	CSS2	Z			40	150	50		Banding & S_2
		70.1									Fold Nose - AP. ⊥ CA
		73.1							30		Contact with base of ore / phyllite
		77.	BS2						66		
		81.2	CSS2	S		174	20	320	80		
											EOH @ 85.3

DDH 91G-47 CURRAGH RESOURCES INC.

Fault Log

Date: Mar '91 Logged By: J. Sheehy

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	
	155.3	156.4				10 920		Very soft mod absorbs very wide shear fabric localized
	173.3	174.4			30			Gouge. Lower contact // Sz Upper contact // banding
		185.3						EOH

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 916-47

Units: Feet / Metres Date: May '91 Logged By: J. Bechtold Page 17 of 17

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
35.1	—	—	—															NQ	CASING
47.5	—	—	—																0% POOR RECOVERY
48.5	0.4	0																	
50.1	1.6	0.5																	
51.8	1.6	1.0																	
53.3	1.6	1.0																	
54.9	1.6	0.9																	
56.4	1.4	0.2																	
58.1	1.7	0.8																	
59.6	1.5	0.8																	
61.1	1.5	1.1																	
62.6	1.5	1.0																	
64.3	1.6	0.9																	
65.8	1.5	1.1																	
67.4	1.6	1.3																	
68.9	1.5	1.1																	
70.4	1.5	1.4																	
71.9	1.5	0.9																	
73.5	1.6	0.2																	
75.0	1.5	0.5																	
76.5	1.5	1.1																	
78.0	1.5	0.8																	
79.6	1.6	1.0																	
81.1	1.5	0.6																	
82.6	1.5	0.4																	
84.1	1.5	0.6																	
85.3	1.2	0.5																	
EOH	—	—																	EOH