004115

CURRAGH RESOURCES INC.

Page 1 of 20

DIAMOND DRILL CORE LOG

Date: Feb '91

Hole Number: 91 G-11 (H)

Project: GRUM INFILL '91

Location: GRUM PIT

Claim:

Terr.Plane Co-ords.: N

DRAFT

E

Grid Co-ords:

Elevation:

Total Depth: 110.0m

Inclination: -90

Purpose: Metallurgy and tighten drill hole spacing for 91/92 mining

Reason hole Terminated: Fulfilled 1991 GRUM INFILL REQUIREMENTS

Logged by: E. Zbrednoff

Date(s) Logged:

Drilling Contractor: E. CARUM DIAMOND DRILLING

Hole Cemented: No

Steel down Hole: No

Assay Lab: NAL

Certificate No's:

Reference Fabric Orientation Diagram:

All symmetry determinations looking _____ with _____ dipping _____ with dip azimuth _____.

	Size	CORE From	To
	CASING	0.0	0.5
	NQ	0.5	110.0

Collar Cased and Capped: N/A

Started: _____ Completed: _____

DDH 91G-11 (2 . 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb '91 Logged By: J. Zbrosek

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	0.0	0.5				CASING (casing removed)
	0.5	27.4			20	± c ± ~ (40:47:44) 96:02:01:01 Medium gray generally non-calcareous locally very weakly calcareous phyllite is generally PS_2 foliated locally CS_2. Interval above 5.2m hosts 5-10cm bands of calcareous phyllite (40). Wisps of unit 47 occur throughout as 0.5-2cm bands parallel S_2. Unit 44 occurs at 15.7-15.8m. Gouge bands with ± crushed rock occur sporadically in widths from 1-15cm. Rock is moderately soft moderately broken and has good recovery. Lower contact is sharp and parallel S_2.
	27.4	32.2			20~	FAULT Medium gray non-calcareous phyllite is very strongly broken locally crushed with gouge above 27.9. Below 27.9 interval hosts 100% gouge and crushed rock. Recovery is poor. Upper and lower contacts are sharp parallel S_2 and noted by changes in RQD
	32.2	38.8			49	± → 20 Medium grey, weakly calcareous locally moderately calcareous phyllite is $CS_2 \rightarrow PS_2$ foliated and is moderately to slightly permeable. Interval below 37.4 is strongly broken soft and hosts gouge along S_2 and other fractures. Elsewhere

DDH 92-5-11 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 91 Logged By: J. Sedgwick

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						unit is moderately soft, moderately to slightly broken with moderately good recovery throughout. Upper contact is sharp and parallel to a fault and oriented 205/18 with S.
	38.8	41.9			20~X	
						Medium gray, noncalcareous unit is very strongly broken and crushed with 100% gouge above 39.9m. Below interval hosts 30% gouge and crushed zones from 0.5 - 40cm wide. Recovery is moderately poor. Rock is soft to moderately soft. Upper contact is sharp and oriented @ 205/18 with S. Lower contact is sharp, parallel S and noted as the base of crushed and gouge bands.
	41.9	62.3			40	± L (44:47) 99:01:trace
						Medium gray, moderately calcareous CS, locally PS foliated Aplite is sporadically, very weakly altered to chlorite giving the rocks a very subtle green overprint. Interval hosts a single band of metabasite @ 57.3 - 57.6. Minor wisps and bands of SDO occur sporadically and vary from <1.0 cm to 6cm. Rock is slightly soft, moderately broken and has good recovery. Upper and lower contacts

DDH 91 G-11
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb'91 Logged By: J. Siddorn

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						are sharp and parallel S_2
	62.3	63.6			30q	PR Very dark gray to black moderately silicified phyllite is PS foliated and hosts 3-5% Po and Py occurring as disseminated and clotty stringers following S_2 fabric. Rock is hard, strongly broken, crushed and jointed above 62.7. Recovery is good. Upper and lower contacts are sharp and parallel S_2.
	63.6	63.9			44**	j Protolith of metabasite is strongly altered, very soft strongly PS foliated non-calcareous and hosts 15-20% fuchsite smeared into S_2. Upper and lower contacts are sharp and parallel S_2
	63.9	67.6			32G H	+P±S → 20qq 2G ± P light gray, non-calcareous, strongly silicified unit contains moderate to strong mineralization with Sph+Ga >> than Py. Mineralization occurs as disseminated bands within S_2 rarely following what appears to be S_1. Mineralized bands are common 0.2-1.0cm wide... Sericite is rare and occurs as wisps <1mm wide following S_2. Rock is very hard, moderately

DDH 91-4-11 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Sedgwick

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						broken with good recovery. Upper and lower contacts are sharp and parallel S_2.
						Estimated grade is 7-10%.
67.6	69.1				40#llc → 40ll	
						Rock is weakly calcareous, soft moderately to strongly altered to chlorite. Alteration is locking in fuchsite. Interval is moderately broken and has good recovery. PS_2 fabric is strong and traces of CS_2 are rare. Upper and lower contacts are sharp and parallel S_2. Strongly chlorite clots from 2mm - 0.3 - 3.0cm wide are // S_2. Unit may be a strongly altered metabasite with relict igneous texture very poorly preserved.
69.1	72.5				32G H ±P ±S	→ 20gg 2G±P
						Same as 63.9-67.6.
						Light gray, non-calcareous, strongly silicified unit is strongly to moderately mineralized with Pb+Zn >> Ag content. Mineralization occurs in bands 0.2-1.5cm wide. Bands trace S_2. Sericite is rare and occur in wisps parallel S_2 <1mm wide. Rock is hard, slightly broken with good recovery. Upper and lower contacts are very sharp and parallel S_2.
						Est. mill grade is 7-10%.

DDH 91-6-11 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Feb '91 Logged By: J. Sherrell

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	72.5	73.3			20# 11	
						Medium green, non-calcareous unit is strongly Py foliated and strongly chloritized. Wisps bands and clots of chlorite are very common, and commonly parallel S_2. Occasionally 2 mm clots of chlorite may be interpreted as chloritized mafic minerals of metabasalt but I suspect prophyroblasts of (?) chloritically altered Intervod hosts No fuchsite. Rock is soft, moderately broken and has good recovery. Upper and lower contacts are sharp and parallel S_2.
	73.3	74.6			2 H	± → 3ZGH → 20gg2G±P (20ll) 95:05
						Dark gray to black graphitic quartzite is moderately to strongly mineralized with Pb+Zn >> Py. Mineralization closely follows S_2 and rarely S_1. Intervod hosts 10cm of strongly chloritized S_2 foliated non calcareous phyllite at 74.3. Rock is hard slightly broken and has good recovery. Upper and lower contacts are very sharp and parallel S_2. Upper and lower margins of mineralized interval are bleached and very strongly resemble upper mineralization. Black grades with graphitic zone.
						Estimated grade is 7-10% Pb+Zn.

DDH 91G-11 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 91 Logged By: S. Zeeh

Code	From	To	Recov.	No.	Unit	Description
	74.6	76.9			20##2	(3ZG±P → 20qq ZG±P) 95:05
						Medium green non-calcareous unit is very strongly PS folded locally CS. Chloritic alteration is strong. Rock is soft moderately broken with good recovery. Interval contains 30cm of strongly to moderately mineralized highly siliceous light gray band at 75.8 m. Mineralized band appears exactly as bleached contacts of upper unit and other mineralized units above. All contacts are very sharp and parallel S_2
	76.9	78.6			3ZG H	±P → 20qq ZG±P H. (44## 2J) 50:50
						Light gray non-calcareous, moderately to strongly mineralized strongly silicified rock hosts Py+Zn >> Ag. Mineralization trace S_2 rarely S in bands from 0.2 - 0.75 cm, and occurs occurs at 76.9 - 77.5 and 79.7 - 79.8. Other locals within interval consist of very strongly altered, very soft medium green metabasite with trace - 5% fuchsite. Rocks are moderately to strongly broken, with good recovery. All contacts are very sharp and parallel S_2
	78.6	83.6			30	±W P ±W
						Very dark gray to black non-calcareous, highly carbonaceous phyllite to CS and locally PS folded. Pyrite is common and occurs as clots and stringers, intrusive host 5%

DDH 96-11 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 91 Logged By: D. Sinclair

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						clasts and fracture filling of dolomite. Rock is slightly soft, friable but has well gouge coatings on S. common and gouge bands upto 10cm wide sporadic. Recovery is good to fair. Upper and lower contacts are sharp and parallel S.
	83.6	85.1	1		44 ##	± j (47 l
						Buff to light gray with green clasts, crudely C_2 foliated, very soft rock contains pyrite over lowest 20cm of interval and 1500 (47l) over upper most 15cm. Green clasts are occasionally oval to slightly elongate within S_2. Locally green clasts crudely define C_2 over 0.5-1.5cm. Igneous texture does not exist and unit may be a highly altered chloritized phyllite. Upper and lower contacts are sharp and parallel S_2.
	85.1	86.3	7	H	± → 4	(44 ## j) 80:20
						Dark purplish to locally brownish yellow weakly banded unit is moderately barite, locally tending to massive pyrite sulphides. Sulphides are generally slightly hard to slightly soft with possible RECRACTION SIZE at 85.6-85.7 where rocks are soft crumbly and resemble poorly lithified sand. Intermixed with massive sulphides are narrow bands

DDH 91G-11 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb '91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						(2-5 cm) of highly altered, very soft, fuchsite-bearing metabasite. Metabasite bands are limited in occurrence to below 85.8m. Recovery is good throughout. Contacts 11 S$_2$. Estimated grade is 10-12% for barite zones.
	86.3	87.5			32G	H ±P (44##j : 47) 50:49:01 light gray, noncalcareous, highly siliceous unit is moderately to strongly mineralized with Pb+Zn >> Py. Mineralization closely follows S$_2$ fabric with mineralized bands from 0.1 - 0.5cm wide. Mineralized interval is very similar to upper zones of this hole. Interval supports very strongly altered sole fuchsite-bearing metabasite at 86.5 - 87.0 and at 87.2 - 87.4. All contacts are very sharp and parallel S$_2$, except lower most contact which is very sharp and oriented @ 302/61 wrt S$_2$
	87.6	90.0			2	H ±Py Very dark gray to black, noncalcareous graphitic quartzite, moderately to strongly mineralized and commonly cs$_2$ folded. Mineralization commonly follows S$_2$ and S$_1$ which also dominates the rock type. Mineralization occurs in bands from 2-10 mm wide rarely upto 3-4 cm wide and dominated by Py. Rock is hard, moderately broken and has good recovery. Upper contact is sharp and oriented at 302/61 wrt S$_2$.

DDH 91-4-11 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb '91 Logged By: T. Beckett

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						lower contact is gradational with a progressive loss in silicification, and mineralization over 30cm. A higher phyllitic component is noted down hole over the same 30cm.
	90.0	92.8			20#	± l ± s Light-to medium green to greenish gray, non calcareous phyllite is variably altered to chlorite and sericite. Rock varies from soft to very soft. Alteration does not follow any general trends and occurs with gradational and sharp contacts parallel and cross cutting S_2. Rock is moderately to strongly broken show good recovery. Upper contact is sharp and parallel S_2. Lower contact is sharp and oriented @ 148/30 w.r.t S_2.
	92.8	93.9			30	=> 2GP ± gg M → 3M Dark gray, moderately carbonaceous noncalcareous is variably silicified ranging from slightly to strongly. Mineralization is very closely related to strong silicification. Mineralized bands vary from 0.5 - 1.5 cm. wide and commonly follow both S_2 and S_1. Rock is variable in hardness to hard to slightly hard. Core is strongly to moderately broken with good recovery. Upper contact is sharp and oriented @ 140°/30° w.r.t S_2. Lower contact is sharp and // S_2. Estimated pyr. is 3-5%.

DDH 914-11

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb 91 Logged By: J. Beckett

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	93.9	96.9			3	P ± g L light gray, non-calcareous, highly siliceous unit contains 25-30% disseminated and clotty Py with local 10cm concentrations of Py of upto 80%. Unit is PS foliated with moderate to weak carbonaceous cutting down to planes. Rock is hard, strongly to moderately broken with good recovery. Upper and lower contacts are sharp and parallel ±
	96.9	99.2			5	L (7H: 30 ± g ± P ± Z ± G) 40:20:40 Brassy yellow locally purplish unit is non-calcareous, massive and moderately hard. Locally unit is slightly to moderately serpentinized. Entrained host, a band of sporadically silicified and mineralized carbonaceous phyllite at 97.8-98.5. Upper contact of phyllite is crushed, lower contact is sharp, parallel and adjacent basaltic unit occurs at 98.5-99.15, and is moderately to strongly mineralized with sharp upper and lower contacts, parallel ± Entrained is strongly locally moderately broken. Recovery is good. Upper and lower contacts are sharp and parallel ±
	99.2	106.0			2	M (30:52) 78:20:02 Dark gray to black, non-calcareous carbonaceous quartz is generally moderately to strongly siliceous and moderately [illegible]

DDH 91G-11 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Feb '91 Logged By: D. Scruton

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Carbonaceous phyllite is common and occurs throughout as 1cm scale bands ~~that~~ lack silicification and mineralization. Phyllitic band constitute 20-25% of interval with sharp contacts parallel S_2. Sporadic occurances strongly silicified phyllite in cm scale bands parallel S_2 occur below 104.4. Rock is hard where silicious slightly hard to slightly soft where phyllitic and very soft to soft where sericitic. Upper contact is sharp and parallel S_2. Lower contact is sharp and fault bound. Lower contact records 282/15°.
	106.0	110.0			30	±m (52→72) 70:30 Dark gray to black, non-calcareous phyllite is carbonaceous, very strongly broken locally gouge. Interval hosts 30% 1.0-30cm wide bands of sericitically altered phyllite that locally appears as crushed rock and gouge. Intervals contacts are very sharp and parallel S_2. Rock is generally slightly soft, very strongly broken with recovery varying from good to poor. Upper contact is sharp and marked by a 1cm poorly healed low angle fault oriented at 282/15° wrt S_2.
		110.0				EOH —

DDH 91-11 (2 — 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Feb '91 Logged By: J. Zucchini

Code	From	To	Feature	Sym	L3 Dip Direct.	S1 Dip Direct.	S2 Dip Direct	Description
1	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
		1.5	CS2	Z	130	20 144	66	
		9.3	CS2	S	—	08 342	57	
		16.0	CS2	S	—	14 345	68	
		22.1	ASH		085	— —	61	calcite CS2
		27.5	PS2		095	— —	60	
		38.6	PS2		—	— —	79	
		39.8	PS2		—	— —	67	
		45.5	PS2		—	— —	57	
		49.6	CS2	Z	142	21 125	62	
		51.9	CS2	S	108	11 296	52	
		58.3	CS2	S	132	21 300	60	
		68.1	CS2	S	—	15 085	77	
		69.1	PS2		—	— —	72	
		76.6	PS2		—	— —	40	
		82.5	CS2	S	—	13 060	67	
		88.1	CS2	S	103	19 087	68	
		90.3	PS2		—	— —	75	
		95.5	ASH		—	— —	73	
		103.4	PS2		—	— —	80	
		108.6	PS2		—	— —	73	
								EOH

DDH 91G-11 (2 – 8)

CURRAGH RESOURCES INC.
Fault Log

Date: Feb '91 Logged By: J. Scott

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 – 14	16 – 20	22 – 24	26	28 – 32	34 – 38	40 – 44	
	111.8	111.5				35 350		Severed gouge bearing faults 2 - 2.5cm wide.
	27.4	27.6				42 025		V. strongly bridged 1/2, mod gouge
	27.6	32.2						100% gouge
		36.4				26 010		mm scale slip
		37.7				55 286		mm scale slip
	38.9	41.9			18 205	15 072		80% gouge & very strongly bridged 20cm.
		43.5				26 015		A few mm-scale slips
	62.3	62.3						Crushed rock and gouge
	79.0	79.6			20 294			Very strongly bridging gouge and crushed rock from 0.5 - 10cm.
	101.3	102.1						Very strongly bridged, rubble above 100.6
	106.0	109.4			15 282			Poorly healed fault @ upper contact, crushed @ gouge common

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91G-11

Units: Feet / Metres Date: Logged By: J. Zaleski Page 17 of 20

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
0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	CASING
2.4	1.5	0																	
3.7	0.6	0																	
4.9	1.2	0.15																	
6.4	1.5	0.2																	
7.9	1.5	0.2																	
9.4	1.4	0.5																	
11.0	1.6	0.9																	
12.5	1.5	0.2																	
13.9	1.4	0																	
15.5	1.5	0.3																	
17.1	1.4	0.75																	
18.6	1.5	0.6																	
20.1	1.5	0.5																	
21.6	1.5	0.45																	
23.2	1.5	0.85																	
24.7	1.5	0.2																	
26.2	1.5	0.6																	
27.7	1.3	0																	
29.3	0.5	0																	
30.3	0.6	0																	
32.3	0.4	0																	
33.8	1.4	0.6																	
35.4	1.6	0.1																	
36.9	1.3	0																	
38.1	1.2	0.1																	
39.3	1.2	0.15																	
39.9	0.4	0																	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 916-11

Units: Feet / Metres Date: Logged By: J. Zsenak Page 18 of 20

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
40.8	0.7	0																	
41.6	0.5	0																	
42.4	0.65	0																	
43.3	0.5	0																	
44.5	1.1	0.1																	
45.4	1.0	0																	
46.9	0.35	0.25																	
48.2	1.3	0.2																	
49.1	0.7	0.15																	
49.5	0.3	0.1																	
51.1	1.5	0.8																	
51.5	0.4	0.4																	
53.0	1.5	0.7																	
54.6	1.6	0.8																	
55.2	0.5	0																	
55.8	0.5	0.2																	
57.3	1.5	0.55																	
58.2	0.9	0.45																	
59.7	1.5	0.6																	
61.3	1.3	0.8																	
62.8	1.5	0.8																	
63.7	0.9	0.3																	
64.3	0.6	0.4																	
65.8	1.5	0.85																	
67.4	1.6	0.9																	
68.9	1.5	0.3																	
70.4	1.5	1.1																	
71.9	1.5	0.95																	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 91C-11

Units: Feet / Metres Date: Logged By: J. Blackwell Page 19 of 20

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
73.5	1.6	1.0																	
75.0	1.5	0.9																	
76.5	1.5	0.9																	
78.0	1.5	0.4																	
79.3	1.0	0.6																	
79.6	0.3	0																	
80.5	0.9	0																	
81.7	1.0	0.3																	
82.6	0.8	0																	
84.1	1.6	0.8																	
85.7	1.5	0.8																	
87.2	1.4	0.3																	
88.7	1.4	0.6																	
90.2	1.4	0.3																	
91.8	1.6	0.5																	
93.3	1.6	0.6																	
94.8	1.5	0.9																	
96.3	1.6	0.8																	
97.8	1.3	0.7																	
98.9	0.7	0.2																	
100.3	1.5	0.4																	
100.6	0.15	0																	
101.8	1.2	0.2																	
102.7	0.6	0																	
104.0	1.1	0.6																	
105.5	1.6	0.3																	
107.0	1.4	0.1																	
107.9	0.3	0																	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 916-11

Units: Feet / Metres Date: Logged By: Page 20 of 20

Run (Length)	TCR (Length)	RQD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
108.8	0.6	0																	
109.4	0.4	0																	
110.0	0.6	0																	
																			End of Hole