1987

GRUM

DRILL HOLES

015035

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 876-01

Reference Fabric Orientation Diagram:

Project: Grum 1987 drilling

Location: Champ Zone

Claim: _____

Terr.Plane Co-ords.: 6904532.57 N

592538.19 E

Grid Co-ords: 58 W / 02 S

Elevation: 1262.42

All symmetry determinations looking

Total Depth: 550 feet (167.6 m) NW with 52 dipping

Inclination: -90° (vertical) SW with dip azimuth _____.

Purpose: Test Champ Zone main horizon

Reason hole Terminated: Drilled through Champ zone to Deal Lake Fault

Logged by: CR / LCP Date(s) Logged: Oct 17-18 / 1987

Drilling Contractor: Arctic Diamond Drilling

CORE Size	From	To
NW	0	100
NQ	100	550

Collar Cased and Capped: No

Hole Cemented: No Steel down Hole: No

Assay Lab: MINE

Certificate No's: _____

Started: Oct 11/87 Completed: Oct 15/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-011
2 8

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	87G-011	1126214	9014532.16	5925381.12	FEET	S	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	87G-011	100	180.0	010.0	AT COLLAR
R	87G-011	5317	177.0	004.0	SPERRY SUN SINGLE SHOT
R			.	.	
R			.	.	
R			.	.

FEET

DDH 87G-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 17/87 Logged By: CR/LCR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	10 0	10 10 0		1	#	Tricored - no recovery
L	10 10 0	14 17 0		2	#1	Overburden 10+% muscovite - biotite granite boulders - largest 1' long - weathered to an creamy tan brown. Matrix consists of mixed mud-clay-pebble. Recovery problems w/ matrix. Matrix is dk greenish brown. Recoveries 100-102 - 3" of boulders / 102-112 - none / 112-123.5 mud w/ 0.3' boulders - 2' recovered / 123.5-129 - 4.5' / 129-135 3' / 135-140 0.8' / 140-EOH 3.5' recovered
L	14 17 0	16 13 0		3	4 A 3 10	(4C30) Dark grey to black, ribbon-banded, noncalcareous, hard, carbonaceous, pyritic quartzite. Py bands 1-5mm to 6 cm thick consisting of fine to med grained py w/ light grey interstitial quartz. Rock looks banded. CS2 foliated. Uppermost 1.5' is med to light grey pelite - i.e. not carbonaceous. Looks more weathered than underlying 4A with orange-brown surfaces along fractures. Overall unit weathered w/ orange-brown surfaces along fractures & some orange-brown former py spots marking former py. Locally slightly garnetiferous. Weathering extent decreases as go down hole. Some fracture-filling qtz veins @ about 30° core axis - about 1cm thick. Core very rubbly and broken. Recovery seems not bad. Py content 25% (Pb+Zn) = 3%
L	16 13 0	16 16 5		4	4 C 10	(5D4*) 70:30 Hard, noncalcareous, poorly banded, moderately pyritic pelite. Py content 20% - py as S2 parallel bands 0.5cm - 1.5 cm thick. 5D4* is soft, extensively weathered, orange-yellow rust to dull brown green musc-chlorite phyllite. Finely

DDH 87G-01
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CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 17/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						laminated w/ some CS2 cremulations evident Contains orange-weathering carbonate (?) as spots and thin laminae Largely confined to bottom 1' w/ some thin bands @ top of interval about 1" thick. Overall unit very weathered w/ brown-orange weathering surfaces. No grade Unit very broken and rubbly Recovery seems reasonable
L	116.5	117.6		15	4A10	(4C0) 80:20
						Similar to Unit # 3 (147-163) 4A unit. Contains intervals up to 1' thick of grey gtzite (4C0) Some 3" 4C0 units also present Py content of unit is less than Unit # 3 Py = 20% (Pb+Zn) = 2% Moderately weathered on broken & cut surfaces. Orange-brown coating on fractures - 4C unit looks relatively more weathered. Core very broken and rubbly - recovery 3.3' core for interval
L	117.6	117.7		16	4E14	± 6 ± * very minor
						Dark brown to brassy yellow, slightly porous, very slightly calcareous pyritic massive S=. Poorly laminated defining PS2 w/ thin sphalerite-rich dark laminae and light baritic laminae w/ honey-coloured sphalerite - more like streaks than laminae. More baritic laminae near bottom of interval (Pb+Zn) = 9% M.B. broken except for 2 very rubbly intervals @ 176.1 - 176.6 and 178.1 - 178.6. Porosity varies - very porous for top 1' and bottom 6". Doesn't look obviously weathered
L	117.7	118.0		17	4G4	
						Medium grey to dull brassy yellow, thinly laminated, baritic/pyritic massive S=. Py occurs disseminated throughout matrix & defines thin bands. Py content = 30%

DDH 87G-01
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CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 17/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						locally slightly porous. Estimated grade 14% (Pb+Zn). Core mod broken – recovery OK. Bottom 3" very rubbly w/ redrilled core. Noncalcareous
L	1 1 8 2 0	1 1 8 3 6		1 8	1 4 C 0 1	[SD41]
						Thinly banded, moderately pyritic, noncalcareous, dk gray to light green qtzite. Breaks on S2 to reveal light silvery greenish gray micaceous folia. Folia feel slightly soapy. Py as 1cm bands generally parallel S2. Qtz clasts 2mm-5mm in diameter. Grade 2% (Pb+Zn). Core moderately broken, rubbly (very) @ TOI – recovery 80-90%. Possibly silicified and altered metabasite?
L	1 1 8 3 6	1 1 8 7 0		1 9	1 5 D 1 4 1 $	[SD$4]
						Soft, light silvery cream w/ greenish tint, finely laminated massive-chlorite phyllite. S2 folia are silvery. CS2 foliated w/ lithons being defined by thin dolomitic laminae and thin bands. TOI-for 20cm pegmatitic qtz vein w/ associated bands of chlorite-py. Adjacent to qtz vein phyllite is hard-moderately siliceous. Readily breaks on CS2, core very broken w/ rubbly sections @ 186 (6" of rubble). Recovery OK. S2 folia feel soapy. No gouge - no major faults
L	1 1 8 7 0	1 1 9 1 7 5		1 1 0	1 5 B 1 2 1 0	(HAO?) [SAO]
						Dominantly dark grey, thinly laminated, moderately, calcareous phyllite. S2 folias dark shiny grey – does not leave strong black marks on fingers. Calcite-quartz siltstone laminae interlaminated w/ noncalcareous phyllite. Laminae-rich intervals are up to 10cm thick – these define microlithons. Top 6" of unit is pyritic, carbonaceous qtzite. Not broken out

DDH 87G-01
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CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 17/87 Logged By: CR/KCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						because just rubble in core box & quick shot TOI - 189.5 very rubbly - consists of pebbles of carbonaceous qtzite (6") and small phyllite chips (6") Only 1.5' core for interval 187-190 Recovery very bad - possibly a fault between qtzite & phyllite. / 190-196.5 very broken w/ reasonable recovery / 196.5 - 197.2 very rubbly - no gouge, recovery 90% / 197.2 - EOI core intact recovery OK
L	1917 5	2123 8		1V	51B102	
						Moderately soft, dark grey, thinly laminated, calcareous phyllite. S2 folia are dark steely grey. Lighter colour than last unit (#10). - Calcite occurs in qtz-siltstone diffuse bands & laminae and in fractures xcutting S2. Microlithon texture only locally visible. TOI - 205.5 mod. broken, recovery good / 205.5 - 206 very rubbly & broken - no gouge - recovery OK / 206 - EOI mod. broken, no gouge - recovery OK No major faults Minor biotite as thin selvage around calcite microveinlets
	8					
L	2123 8	2127 0		2	51B101	(5DO) 70:30
						Dominantly dull dk grey on cut surface, calcareous, moderately soft phyllite. Siltstone calcite-qtz laminae locally microlithon texture defined by laminae. S2 surface dull steely grey Interbanded w/ dull olive green, PS2 foliated, soft, calcareous, chlorite-muscovite phyllite. Qtz & calcite as thin beady bands to laminae parallel S2. These intervals range from 3"-7". Margins are diffuse S2 folia are light olive green Core moderately broken - recovery good locally green & grey interlaminated of scale of 1cm or so. Pegmatitic qtz-calcite veins w/ associated dark green chlorite averaging 2cm in thickness.

DDH 87G-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 17/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12127.0	12131.1		113	15B101	
						Md grey, soft, calcareous phyllite. Vague microlithons texture defined by qtz-calcite siltstone bands and laminae. S2 folia are steely, dull grey. Some minor qtz-calcite veins/sweats up to 3 cm across. Core essentially intact — recovery good. This unit might be slightly darker than typical 5B0.
L	12131.1	12143.6		114	15B1813	
						Light grey w/ slight olive green tinge, soft to md. soft, very calcareous phyllite. S2 folia are light silvery grey w/ green tint. Calcite in siltstone bands & laminae — these are more reactive to HCl and have a grey, sugary texture. Poorly developed & not well defined microlithon texture — more like PS2 → CS2. TOI - 235.8 intact w/ good recovery / 235.8 - 236.8 extremely broken & rubbly w/ gouge. Upper & lower contacts hidden in rubble - parallel to S2. / 236.8 - EOI very broken - recovery reasonable. Probably ½' core missing from gouge. Probably not major fault because same rock type on each side.
L	12143.6	12146.0		115	15B101	GOUGE
						Extremely soft, calcareous, light grey mud/gouge w/ 5B0 phyllite intervals 3-4 cm thick. Thinly laminated phyllite. S2 folia steel grey for competent intervals. Upper & lower contacts parallel S2. Recovery - about 2½' core in this interval is missing.

DDH 876-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 17/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	2460	2714		16	5B31	±8 minor
						Very dull light grey, moderately soft, very calcareous phyllite. Thick very calcareous, med grey bands w/ sugary ("marble") texture. S2 folia are light steely grey. Numerous xcutting calcite veins/veinlets up to 0.5 cm thick. Locally cut surface has greenish colour in phyllitic - micaceous portions. Core tends to break along xcutting fractures. Locally calcareous bands/laminae form well-developed microlithon texture. Locally weathers to yellow-orange surface coating where broken along fractures/veins. TOI - 256 / mod brken to intact recovry OK / 256-256.8 very rubbly & broken - no gauge - recovry OK / 256.8 - EOI core intact - recovry OK
L	2714	2736		17	5D01	
						Moderately soft, dull olive green to light grey, calcareous, muscovite - chlorite phyllite. Thin calcite-qtz white laminae - bottom of interval has well-developed microlithon texture defined by siltstone laminae. S2 folia light greenish tinged silver w/ some silvery grey patches. Core intact w/ good recovry
L	2736	3255		18	5B01	±8 (5D0) 95:05
						Soft, calcareous, light grey to light greenish grey phyllite. S2 folia range from light steely grey to silvery olive green. Microlithon texture defined by calcite-qtz siltstone laminae. Difficult to quantify variation between grey and green in phyllite. Minor 10-20 cm intervals of PS2 foliated, olive green, calcareous phyllite w/ thin qtz-calcite laminae. Contacts diffuse - partly textural. Locally minor biotite on margins of calcite-filled xcutting fractures. TOI - 281.5 intact w/ good recovry / 281.5 - 288 mod brken - recovry OK

DDH 87G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 17/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						288 - 293.9 very broken - recovery OK / 293.9 - 309 mod. broken - recovery OK / 309 - 312 very broken recovery OK / 312 - EOI intact w/ good recovery
L	131255	131364		119	15D101	[5D3] Dull olive green to light grey-green, thinly laminated, very calcareous, moderately soft to soft chloritic phyllite. S2 folia are dull olive green to silvery green. Calcite laminae define coarse bulbous texture or are PS2 foliated. Locally laminae have beaded texture. Calcite also infilling stage fractures. Marginal contacts diffuse & difficult to pinpoint - partly based on textures of calcite - qtz laminae. Core intact - recovery good. Unit reacts very readily to 10% HCl.
L	131364	141013		120	15B101	± 8 minor ± 2 minor ± bio Predominantly light grey, calcareous, moderately soft to soft, finely laminated phyllite. Calcite - qtz siltstone bands form poor to well-developed microlithon texture. Minor dark grey intervals. Some intervals have greenish tinge rather than light grey colours. S2 folia typically light silvery grey. In greenish areas have patchily developed greenish tinge. In dark grey intervals folia are very dark grey. Minor subhedral pg porphyroblasts. Biotite patchily developed - visible as brownish patch on cut surface - associated w/ margins of siltstone bands & selvages of calcite veinlets. Pegmatitic qtz-calcite veins up to 3cm across. TOI - 361.6 intact to mod. broken - recov OK / 361.6 - 362 very rubbly, no gouge - recovery OK / 362 - 368.8 mod. broken - recov OK / 368 - 370 very rubbly - 1' core missing / 370 - 371.2 intact - recovery OK / 371.2 - 372.6 very rubbly w/ gouge - recovery OK / 372.6 - 399 mod broken w/ local gouge @ 381.2 - 382.0 recovery OK / 399 - 402 intact recovery OK / 402 - 402.5 rubbly - recov OK / 403 - EOI intact recov good

DDH 87G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 17/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	14013 4	14214 9		121	15D101	(5B20) 85:15
						Dominantly a pale olive green to light grey, calcareous, thinly laminated, chlorite phyllite. Numerous thin calcite laminae. Strongly PS2 foliated. S2 folia are silvery w/ greenish tinge - locally patchily silvery grey. Contains dark grey, calcareous, PS2 foliated phyllite intervals 5cm - 30 cm thick. S2 folia are dark steely grey. Thin calcareous siltstone laminae locally interval contains fold noses defined by calcite laminations. Contacts between units generally sharp. Locally interbanded on fine scale. TOI - 417 intact - recov. good / 417-419 mod. broken - recovery good / 419-EOT intact recovery OK
L	14214 9	14218 7		122	15D101	(5B20 ± bio) 60:40
						Similar to last Unit only proportions differ. Still PS2 foliated. Biotite patchily developed - generally along fractures. Core intact - recovery OK
L	14218 7	14512 9		123	15B1210	Bio
						Med. dk grey, soft, calcareous, CS2 foliated phyllite. Microlithon texture defined by calcite - qtz siltstone bands to laminae. S2 folia steely grey to dk grey - black. Siltstone contains disseminated fine brown biotite and green mineral (actinolite ?). Bio more heavily & patchily developed adjacent to calcite xcutting veinlets. Core intact - recovery good.
L	14512 9	14619 8		124	15B1$	Bio (10Q 3) 80:20
						Dominantly light grey, soft, dolomitic phyllite. Thinly laminated w/ dolomite - qtz siltstone laminae forming a noticeable microlithon texture. S2 folia are light silvery grey. Calcite occurs largely in thin xcutting

DDH 87G-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 18/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						veinlets / fractures. Contains pegmatic white buff qtz-calcite ± dark green interstitial chlorite ± very minor opy intervals ranging in thickness from 30 cm to 45 cm. Upper contact gradational - lower contact hidden by rubble. Vein contacts sharp - not necessarily parallel SZ. TOI-458 very broken & rubbly - no gouge - recovery OK / 458-467 slightly broken - recov OK / 467-EOI core intact yet missing 1' core for some reason.
L	141619 8	151134		215	518210	Bio
						Med. dark grey, calcareous, CSZ foliated, moderately soft phyllite. Calcite-qtz siltstone laminae separated by dark grey non-calcareous phyllite (micaceous) intervals forming well-developed micro-lithon texture. SZ folia are dkly dark grey - but carbon does not rub off on the fingers. Biotite occurs as selvages to fractures & disseminated on margins of calcite siltstone bands. Core TOI rubbly for 4" - no gouge / TOI-EOI core intact w/ 1-2 local 1"-2" rubble zones associated end-of-drill runs. Recovery reasonable to good
L	151134	151183		216	518101	Bio (SDO bio) 65:35
						TOI - 515:1 consists of homogeneous, soft, pale olive green, calcareous chlorite-muscovite phyllite. Calcite in thin laminae generally parallel SZ. Generally PSZ foliated. SZ folia are very pale green w/ yellowish tinge. Contains small amts of disseminated biotite. Lower contact 3"-4" shear zone x cutting SZ - rock still coherent - no gouge. Pelitic unit is light grey, calcareous, PSZ-foliated, moderately soft phyllite. Biotite sparsely developed. Chlorite on selvages to x cutting fractures. SZ folia are light silvery grey. Calcite is thin, discontinuous siltstone laminae. Core intact - recovery OK

DDH 87G-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 18/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	151183	151212 8		127	14A01	(4D4) (4C0) (5D6)
						TOI - 519.5 is 4D4 — poorly banded, hard, noncalcareous pyrite. Banding as reddish brown gahn-rich laminae interlaminated w/ gy-py laminae 2-3mm to 4cm thick. S2 folia not really visible. Estimated grade 12% (Pb+Zn). Py content 20%.
						519.5 - EOI 4A0 w/ 10cm band olive green 5D6/4 @ 520.9. Margins have 2" 4C0 as gradational contact effect against the 5D. Chloritic phyllite is moderately hard, noncalcareous.
						4A0 is hard, ribbon-banded, noncalcareous, carbonaceous pyrite. CS2-foliated Py content estimated @ 15% Grade is 0% (Pb+Zn).
						Upper contact against 4D hidden in rubble. lower contact is soft, very graphitic, broken gouge.
						Core 518.3-519.5 intact recov good / 519.5 - EOI moderately broken for top 8" intact for rest of interval recovery OK.
						4A unit extensively fractured w/ py-qtz-chlorite veins infilling fractures @ shallow angle to core axis 50°/190 and 00/ xcutting S2.
L	151212 8	151256		128	15A16	
						Dk grey to black, soft, noncalcareous, PS2 foliated phyllite. S2 folia are very dark grey to black - leave a trace of carbon on fingers. Upper contact is 3"-4" gouge parallel S2. Numerous fine fractures infilled w/ qtz xcutting S2 foliations 45/180 and 00/000. Core intact except margins which are very rubbly — recovery seems OK

DDH 87G-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 18/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
L	15215 6	15418 9		219	15A61	±1± 0 minor GOUGE DOAL LAKE FAULT
						Variably soft to moderately hard, very black, generally noncalcareous gouge w/ small intervals of more competent rock. Gouge contains clasts of white bull qtz-floating in gouge matrix. Some competent intervals are siliceous and locally moderately calcareous. Upper contact marked by loss of coherence - no well defined marginal contact. Internal fabric @ 45° core axis. Lower contact against more competent rock 55° to core axis. Core very broken & rubbly. Core loss has occurred TOI-527 recovery OK / 527-532 2.8' core / 532-537 3' core / 537-540 2.1' core / 540-EOI - recovery OK
L	15418 9	15500		310	15A1$	
						Med grey, dolomitic, moderately hard to moderately hard, carbonaceous phyllite. Thick siltstone bands which are hard separated by thin very carbonaceous phyllite intervals. S2 foliation are very dark grey to black. Siltstone bands are slightly dolomitic.
						This unit is short enough that it may not be out of the Doal Lake fault zone.
						Top contact very crumbly & broken. Core mod. broken. Recovery assumed OK
						EOH

DDH 87G-101 (2–8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CR

ASSAY LOG (SAMPLER'S COPY) Date Oct 18/87 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
1	P	1/1417.0	1/1510.1	1 1 0 0 1	31	31	4 1A 1 3 1 0 1	✓ (4C 30)
2	P	1/1510.1	1/1513.3	1 1 0 0 2	32	44	4 1A 1 3 1 0 1	✓
3	P	1/1513.3	1/1517.0	1 1 0 0 3	37	42	4 1A 1 3 1 0 1	✓
4	P	1/1517.0	1/1519.8	1 1 0 0 4	28	40	4 1A 1 3 1 0 1	✓
5	P	1/1519.8	1/1613.0	1 1 0 0 5	32	45	4 1A 1 3 1 0 1	✓
6	P	1/1613.0	1/1616.5	1 1 0 0 6	35	33	4 1C 1 0 1	✓
7	P	1/1616.5	1/1712.6	1 1 0 0 7	55	40	4 1A 1 0 1	✓
8	P	1/1712.0	1/1715.6	1 1 0 0 8	36	31	4 1A 1 0 1	✓
9	P	1/1715.6	1/1719.7	1 1 0 0 9	41	42	4 1E 1 4 1	±6
10	P	1/1719.7	1/1812.0	1 1 0 1 0	23	36	4 1G 1 4 1	✓
11	P	1/1812.0	1/1813.6	1 1 0 1 1	16	16	4 1C 1 0 1	✓
12	P	1/1813.6	1/1817.0	1 1 0 1 2	34	42	5 1D 1 4 1 $	✓
13	P	1/1817.0	1/1817.5	1 1 0 1 3	05	06	4 1A 1 0 1	✓

DDH 87G-01 (2–8)

CURRAGH RESOURCES INC.

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Logged by CR

ASSAY LOG (SAMPLER'S COPY)

Date Oct 18/87 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
P	1470	1501	11001		31	4A30	(4C30)
P	1501	1533	11002		44	4A30	
P	1533	1570	11003		42	4A30	
P	1570	1598	11004		40	4A30	
P	1598	1630	11005		45	4A30	
P	1630	1665	11006		33	4C0	
P	1665	1720	11007		40	4A0	
P	1720	1756	11008		31	4A0	
P	1756	1797	11009		42	4E4	±6
P	1797	1820	11010		36	4G4	
P	1820	1836	11011		16	4C0	
P	1836	1870	11012		42	5D4$	
P	1870	1875	11013		06	4A0	

DDH 87G-01 (2–8) CURRAGH RESOURCES INC.

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Logged by CR

ASSAY LOG (SAMPLER'S COPY)

Date Oct 18/87 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
P	1470	1501	11001	31	31	4A301	(4C30) 44.8 45.7 ✓
P	1501	1533	11002		44	4A301	45.7 46.7 ✓
P	1533	1570	11003		42	4A301	46.7 47.9 ✓
P	1570	1598	11004	28	40	4A301	47.9 48.7 ✓
P	1598	1630	11005	32	45	4A301	48.7 49.7 ✓
P	1630	1665	11006		33	4C01	49.7 50.7 ✓
P	1665	1720	11007		40	4A01	50.7 52.4 ✓
P	1720	1756	11008		31	4A01	52.4 53.5 ✓
P	1756	1797	11009		42	4E41	±6 53.5 54.8
P	1797	1820	11010		36	4G41	54.8 55.5
P	1820	1836	11011		16	4C01	55.5 56.0
P	1836	1870	11012		42	5D41$	56.0 57.0
P	1870	1875	11013		06	4A01	57.0 57.2

DDH 87G-01 (2–8)

CURRAGH RESOURCES INC.
Structural Log

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Date: OCT 18/87 Logged By: CK/LCP

Code	From	To	Feature	Sym	S_0 (S3) Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
S		1155	CS2	Z			10	170	64		4A ribbon banding
S		1780	PS2						74		Compositional banding in 4E
S		1955	CS2	S	81	180	33	010	55		Siltstone bands in carbonaceous
											phyllite — micro-lithons
											S_3 is poorly developed crenulation
											xcrossing S2
S		2090	CS2	S			18	010	60		micro-lithons in phyllite
S		2315	CS2	S			35	010	60		micro-lithons in phyllite
S		2490	CS2	S			54	010	74		micro-lithons in phyllite
S		2766	CS2	S			30	010	67		micro-lithons in phyllite
S		2860	CS2	S			32	010	66		micro-lithons in phyllite
S		2980	CS2	S			32	010	53		micro-lithons in phyllite
S		3280	CS2	S			20	010	62		micro-lithons in phyllite
S		3465	CS2	S			34	010	64		micro-lithons in phyllite
S		3660	CS2	S			11	020	73		micro-lithons in phyllite
S		3935	CS2	Z			50	180	69		CS2 → PS2 in 5D
S		4010	PS2						79		PS2 → CS2 in 5D
S		4300	CS2	S			36	010	68		small micro-lithons in phyllite
S		4420	CS2				09	180	58		microlithons in phyllite
											S_1 near vertical although
											locally looks like small S's
S		4750	CS2	M			01	180	70		near vertical S_1 - microlithons
S		4890	CS2	M			01	010	58		near-vertical S_1 - microlithons
S		5200	PS2						50		
S		5250	PS2						20		just above Dool Lake Fault
S		5500	PS2						77		just below Dool Lake Fault

PROJECT _____ DRILLHOLE NO. 876-01 COORDINATES: N _____ DATE Oct 19 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90 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.	
352		4.8		1.7													
357		5.1		2.1													
362		4.9		0													
367		5.4		1.0													
370		2.2		0													
372		1.5		0.5													
378		4.7		0													
887		2.9		0.8													
392		4.9		0.4													
397		4.6		0.8													
402		4.7		0.4													
406		5.4		2.3													
411		5.0		2.8													
417		5.4		2.2													
422		5.0		0													
427		5.6		2.8													
432		4.6		2.1													
437		5.1		3.2													
442		4.9		3.4													
447		5.3		3.4													
452		5.0		3.5													
457		4.4		1.2													
462		4.9		1.8													
467		5.4		1.2													
469		1.5		1.0													
472		3.6		1.9													
477		5.3		0.8													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 87G-01 COORDINATES: N _____ DATE Oct 18 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER CR INCLINATION -90° 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.	
220		4.9		1.8													
222		2.2		0													
227		5.5		1.0													
232		5.1		2.8													
236		3.5		1.5													
240		3.2		0													
246		3.4		0													
251		5.2		2.2													
256		5.4		2.7													
262		5.5		5.2													
267		5.4		2.4													
272		5.0		3.9													
277		5.2		3.1													
282		4.8		0.4													
287		5.0		0.9													
291		4.4		0													
296		6.3		1.1													
302		5.0		0.9													
307		5.1		0.4													
312		3.9		0.4													
317		4.5		2.7													
322		5.5		3.9													
327		4.8		2.9													
332		4.8		3.5													
337		5.5		4.5													
342		5.1		2.6													
347		5.2		1.7													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 876-01 COORDINATES: N _____ DATE Oct 12 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER CR INCLINATION -90° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

FEET

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.	
100		0															Trimmed
102		0.3		0													
112		0		0													
123.5		2.4		0													
126		2.3		1.5													
129		2.5		0.9													
132		1.7		0.4													
135		1.4		0													
140		0.7		0.4													
142		0.7		0													
147		2.7		0.4													
151		5.0		0.8													
156		6.0		2.7													
159		4.4		0.4													
162		3.8		0													
167		5.0		0													
172		3.1		0.5													
180		5.0		2.4													
182		2.8		1.9													
187		5.5		0.5													
190		1.6		0													
195		3.3		0													
200		4.3		0.8													
204		3.8		1.5													
207		2.9		0													
212		4.6		2.0													
215		3.3		0													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. B7G-01 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ 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.	
482		4.9		3.4													
487		5.1		3.0													
492		5.0		4.6													
497		5.0		4.3													
502		5.0		4.5													
507		5.4		4.0													
512		5.1		4.7													
517		5.2		4.6													
522		5.4		3.3													
527		5.4		0.8													
532		2.8		0													
537		3.1		0													
540		2.2		0													
545		5.2		0.4													
550		2.4		0													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-02

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum Deposit

Claim: _____

Terr.Plane Co-ords.: 6904509.95 N

592518.85 E

Grid Co-ords: 58W / 35

Elevation: 1260.78

All symmetry determinations looking

Total Depth: 606 feet (184.7m)

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: test Champ zone main horizon

Reason hole Terminated: drilled through ore intersections into DOAL LAKE FAULT

Logged by: LCP

Date(s) Logged: OCT 25/1987

Drilling Contractor: ARCTIC DIAMOND DRILLING

Hole Cemented: No

Steel down Hole: No

Assay Lab: MINE

Certificate No's: _____

CORE Size	From	To
NW	0	145
NQ	130	606

Collar Cased and Capped: No

Started: OCT 16/87 Completed: OCT 19/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 8,7,6,-,0,2 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 42	
T	8716-02	12601.8	9045101.0	5925181.8	FEET	52	

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
	2 — 8	10 — 13	14	22 — 25	26	28 — 32	34 — 56
R	8716-02	0	0	180.0	0	0.0	AT COLLAR
R				.		.	
R				.		.	
R				.		.

DDH 87G-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 24/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	100	11310		1	#	Reconed — no recovery
L	11310	11420		2	#	Overburden Cored boulders — dominantly IDAB biotite-muscovite qtz diorite with minor phyllite. No matrix mud/clay/silt/sand 3.5' core for 12' interval
L	11420	11672		3	518216	± 5% minor (5A6) 60:40 Dark grey, CS2 foliated, noncalcareous, moderately soft phyllite. S2 folia are dark steely grey to shiny very dark grey. Darker folia leave slight mark on fingers. Micro-lithons defined by thin siltstone bands. Generally siltstones are noncalcareous — locally they are slightly dolomitic. Isolated pyrite porphyroblasts up to 1cm across. Pegmatitic white qtz - white to tan dolomite veins/sweats/pods are common. Uppermost 1' has orange iron-staining on S2 folia and along fractures. TOI: 146.5 mod. to very broken w/ short rubbly intervals - recov. OK / 146.5-147.5 very rubbly recov. OK / 147.5-152 very broken - only 2.5' core recovered w/ regrown & pebbles at 145 / 152-153.5 very broken & rubbly - partly due to qtz veins - recovery OK / 153.5 - EOI. mod broken w/ small very broken interval 166.5' - recovery OK Probably largely top of hole problems
L	11672	11718		4	141D31	7% (4E48 ± 6) 80:20 Unit does not fit neatly into coding scheme. Best described as semi-massive 5= Thinly to thickly laminated w/ laminae consisting of qtz, cream dolomite, & brown sphal-rich base metals. Also contains large dolomite-qtz clasts. Oxide intervals fractured w/ splashy po-spy filling fractures. More massive pyritic intervals have thin black magnetite streaks and is locally brittle. Some laminae

DDH 87G-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 24/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						& bands in qtzose 4D consist of creamy, soft, noncalcareous muscovite phyllite (4L0). These form discontinuous streaks and bands - locally they help define a micro-lithon texture. Estimated py content 60-80%. Estimated grade 7% (Pb+Zn). Core mod brken w/ 0.5' gouge & rubble @ 173 - probably lithology related. Recovery good
L	1781	1986		5	4L24	(4D3$)
						Dominantly a pale greenish cream, soft, noncalcareous phyllite. Contains thin bands and stringers of py + sphal + galena up to 1cm thick. These are commonly discontinuous across the core. S2 folia are light silvery white. Major mica mineral is muscovite. Interval 189.5-192.2 consists of slightly dolomitic, thinly laminated qtzite. Similar to described Unit # 4 (167.2-178.1). TOI-188 very brken w/ some rubble. Minor gouge & rubble along steep fractures @ 15° core axis. Fractures generally have azimuths ranging from 0-180° / 188-EOI mod. brken w/ very brken & rubbly zones @ 190-191, 195.5-197. Both are related to fractures. Recovery seems reasonable. Unit PS2 foliated
						Overall estimated grade 3% (Pb+Zn). Py content in phyllite ~ 5%
L	1986	2960		6	4E4	porous ±$ ±6 (4L24)(10Q9$) 70:25:05
						Thinly laminated, dark yellow, med. grained, pyritic S=. Many laminae are porous from carbonate weathering out. Locally contains intervals which are baritic. Dolomite disseminated in matrix locally. Estimated grade 9% (Pb+Zn). Py content 80%. Interbanded w/ soft, noncalcareous, pale greenish cream muscovite phyllite. Phyllite has thin streaky py + sphal-gal. generally parallel S2. Phyllite intervals 0.5' thick. S2 folia are silvery white. Some pegmatitic qtz veins

DDH 87G-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 24/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L						w/ associated tan dolomite and minor py-sphal-galena. Unit mod. broken except for phyllite zones which are very broken to rubbly w/ gouges. Seems lithology related. Recovery ok. Locally phyllite has soggy feel to SZ folia. Phyllite PSZ foliated.
L	121016 0	121116 3		17	1H1E1H1	porous (4L24)(5D4$) 95:05: TRACE Dark yellow, PSZ foliated, thickly laminated, pyritic massive S= Noncalcareous. Contains thin porous laminae generally up to 0.5 cm thick which define SZ(?) fabric. Estimated grade 10% (Pb+Zn). Contains 5-10 cm interbands of creamy, soft, noncalcareous, muscovite phyllite w/ numerous SZ parallel stringers and bands of py-sphal-gal. At 214.7' have 3 cm band of soft, tan phyllite w/ thin dolomite stripes. Unit mod. broken w/ good recovery. Except for 211.5-214 which is S= 6xa along steep fractures 15° and 30° core axis. This zone locally very rubbly (at top) Bottom 0.5' of unit very broken
L	121116 3	121214 5		18	1H1A1310	9minor → (4C30 9minor) 50:50 Hard, noncalcareous, pyritic, med to dark grey, ribbon banded gneiss. Py as diffuse bands up to 3 cm thick. Carbonaceous folia folds for intervals up to 2' thick in unit. Estimated py content 30%. Estimated grade 2% (Pb+Zn) Minor gpy infilling small fractures. Core slightly broken to intact w/ good recovery. Upper 2.5' highly fractured w/ fractures @ 0°-10° core axis — very porous & vuggy along the fractures.
L	121214 5	121218 6		19	1101Q1$1	9 minor (4E4 porous) Top 0.5' is porous 4E4 pyritic S= Homogeneous. Rest of unit is coarse grained pegmatitic white dolomite intergrown w/ qtz. Minor py infilling fractures. Core intact - recovery good. Except mod. broken for top 0.5' (lithology related)

DDH 87G-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 24/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	2286	2387		110	4E4	porous ± 6 minor
						Dark yellow, med. grained, noncalcareous, pyritic massive S= Cut surface
						has porous - sandy aspect - locally it is quite friable. Poorly thickly
						laminated w/ laminae defined by more base-metal rich intervals. In
						one spot has ton weathering ankerite clasts. Near bottom of unit has some
						baritic intervals. Estimated grade 7% (Pb+Zn) Locally contains qtz -
						py veins. Core slightly brken except for 229-230 which is very brken
						and sandy Recovery OK.
L	2387	2450		111	4G4	
						Moderately hard, noncalcareous, slightly pyritic, thinly banded to thickly
						laminated baritic S= Bands delineated by variations in py, base
						metals. Colour generally med grey. Abundant honey-coloured sphalerite.
						Grade 17% (Pb+Zn) Py content 15%. Core intact - recovery excellent
L	2450	2598		112	5B4$	± 9 minor [4LO$ ± 42 minor]
						Light silvery grey (w/ greenish tint), dolomitic, soft phyllite. Microlithon texture
						evident w/ dolomite-qtz siltstone bands & laminae defining lithons.
						Texture indicates this is a highly altered 5B. S2 folia silvery cream - locally
						w/ patchy grey tinge. Contains minor thick fracture infillings of dk red brown
						sphal-gal-py; these are up to 3cm wide. TOI-250 core intact w/ good
						recovery / 250-253 very brken & rubbly w/ local incipient gouge - recovery OK /
						253-EOI mod. brken - recovery OK. No significant fault indicated.

DDH 87G-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 24/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	121598	121670		113	4121112	4 ± ϕ minor [4DO ± ϕ minor] → (4A47) Moderately hard to hard, generally noncalcareous, PS2 foliated, striped brown and white muscovite-qtz phyllite. S2 folia are silvery cream. Py + sphal + gal disseminated in thin bands parallel S2 - up to 3cm thick. Separated by light colored musc-rich qtzose intervals. Bottom 1.5' is very sphal rich, ribbon-banded, carbonaceous qtzite. Bxa texture w/ qtzose clasts in matrix of sphal-py-po. Overall grade estimate 4% (Pb+Zn) Py content 5%. Core mod. broken to intact. Recovery good
L	121670	121710		114	5181810	ϕ (1020) 60:40 Pale greenish-grey, moderately soft, CS2 foliated phyllite. Locally dolomitic in siltstone bands rather than calcareous. S2 folia are pale silvery grey. Contains thick pegmatitic white buff qtz veins. Looks like bleached (slightly) SB. Core mod. broken to intact - recovery OK
L	121710	130138		115	518101	± 2 Bio Med grey, mod soft, calcareous, CS2 foliated phyllite. Some intervals are med dark grey. Calcite assoc. w/ qtz in siltstone bands & laminae defining micro-lithons. Siltstone contains disseminated brown biotite. Scattered po porphyroblasts up to 1cm across. Minor pegmatitic qtz veins. Core intact w/ good recovery.
L	131038	131137		116	518416	± 0 Bio Pale greyish green, noncalcareous, soft, muscovite-chlorite phyllite. S2 folia are light silvery grey. Abundant calcite in thin x-cutting fractures - no carbonate in matrix of phyllite. Altered SBO - locally regular grey coloured remains

DDH 876-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 24/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Biotite disseminated in matrix. Core mod. brken except for 1' very brken & rubbly zone centred @ 312' This zone has incipient gouge & is most highly fractured Gouge on fractures 30° core axis No azimuth orientation possible. Recovery OK
L	3137	3320		17	5B0	"Bio"
						Med. grey, moderately soft, CS2 foliated, calcareous phyllite. Micro-lithons defined by calcite-qtz-biotite siltstone bands to laminae. S2 folia are med-dark steely grey. Core intact - recovery OK
L	3320	4110		18	5B80	± 3 Bio minor (5D0) 80:20
						Light greenish grey, mod. soft, CS2-foliated, calcareous to very calcareous phyllite. S2 folia are greenish grey to patchy grey CS2 micro-lithons well defined by calcite-qtz siltstone bands. Locally these bands are very calcareous. Minor biotite as disseminated grains. Interbanded w/ PS2 foliated, olive green, soft, calcareous chlorite-muscovite phyllite Calcite-qtz in thin laminae and bands parallel S2 Difficult to differentiate contacts between green 5B8 and green 5D0. Core intact except for a few thin lithology-related very brken & rubbly zones Recovery OK
L	4110	4213		19	5D0	(5B0) 95:05
						Pale olive green, soft, PS2 foliated calcareous chlorite-muscovite phyllite. S2 folia are pale silvery greenish cream. Calc. & qtz form thin laminae generally parallel S2 and locally isoclinally folded. Thin interbands of med grey phyllite - esp near bottom of interval. S2 folia are steely grey. Grey intervals up to 20cm thick. Core intact - recovery OK

DDH 87G-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 24/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	4121 3	4136 3		10	5B10	±2 → (5A0) 90:10
						Dominately a medium grey soft, calcareous, phyllite. S_2 folia medium steely-grey. Calcite associated with qtz in thin siltstone bands + laminae. Brown bio desseminated in siltstone bands. Isolated Po porphs. 10 → 15 cm intervals are medium-dark grey. A 3' interval starting at 432.5' is very dark grey, S_2 folia shiny, dark black. Overall the unit is PS_2 foliated. Core is slightly broken. Recovery is good
						+-B10
	4136 3	4141 7		21	5B1461 9	[4L24] (5D6 $ Bio)
						Major unit is a light greenish-cream, soft noncalcareous muse phyllite. Locally contains a light brown biotite. Contains intervals up to 10cm thick in which there are abundant thin Py Sph Gal bands // to S_2. S_2 folia are silvery-white. Upper contact is gradational with ↓ in grey.
						437-438.7 is a soft, olive green, dolomitic, chlorite muscovite, phyllite. Locally it also contains dessominated light brown bio. Interval is dominately PS_2 foliated. Core is intact. Recovery is good. Minor Po filling fractures. Est Pb+Zn 2% Est Py 2%
	4141 7	4147 5		12	4L1124	
						Hard, non calcareous, light greenish-cream, muscovite phyllite. S_2 folia are light silvery-grey. Contains abundant 1-3 cm bands of Py Sph Gal // S_2. Probably Vangorda formation but difficult to determine because of alteration.
						Py content 15% Est Pb+Zn 4%. Recovery is good, core is intact

DDH 87G-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 24/87 Logged By: LCP + CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1414175	1415199		213	4L214	(4CO) 60:40
						Soft, non calcareous, pale greenish white PS_2 muscovite, chlorite, phyllite. S_2 folia are light silvery-white. Contains minor bands of Sph, Py, Gal interbanded with a medium grey, hard PS_2 foliated slightly pyritic qtzite. Qtzite bands are 3-15 cm thick. Bottom 15 cm is a coarse grained white qtz, feldspar? vein.
						Est Pb+Zn 2% Est Py 5% although locally as high as 15%. Core is intact. Recovery is good.
	1415199	1416101		214	4E4	8 minor ± 6 (4G 4 8 minor) 70:30
						Thickly banded pyritic sulphides. Generally non calcareous. Locally contains 1 cm dol clasts. Sph intervals range from streaks to 10 cm thick. Contains minor dessimated mag & are typically red-brown. Barite intervals are yellowish grey with dessominated py. 1 two cm band is calcareous. Very sparse mag specks. Abundant honey coloured Sph. Photos taken at 452.5 of deformation "flame" textures in 4G.
						Est Pb+Zn 15% Est Py 90% in 4E & 30% in 4G.
						Core is slightly broken. Recovery is good.
	1416101	1418707		215	4C10	79 minor (4A0 79 minor) 50:50
						Very hard dull grey, non calcareous, moderately pyritic qtzite. Est grade is very low ≈ 1% Py occurs as qtz-sulphide bands delineating the ribbon banding & as diffuse 1-2 cm bands // to S_2. Throughout the interval, carbonaceous folia & band typical of 4A fade in & out on a scale of approx 10 cm. to 60 cm. 4A is more dominant in the bottom of the unit, 4C dominant at the top. Minor

DDH 87G-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 24/87 Logged By: LCP + CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						'Flashy' Po + Cpy infilling steep fractures.
						Est Py 25% locally ranging down to 10%
						Core is intact, Recovery is good.
	4817	4920		216	4E416	∓ $ minor (3B2 $)
						Thinly banded, brownish-yellow, generally non calcareous pyritic massive S⁼. Banding
						delineated by brown Sph intervals from 1cm to 5cm thick. Locally the S⁼
						contain disseminated Sph in matrix. Minor light tan dol clasts locally.
						Cut surface is locally porous. Near the top of the interval there is 1.6' of
						soft 'punky' non-calcareous chloritic phyllite with thin bands of qtz
						associated with lesser dol + py. Sulphide Est Pb+Zn ≈ 13% Py ≈ 80%
						Core is moderately broken. 3B has incipient gouge especially at
						3' beyond start of unit. Recovery is good.
	4920	5015		217	4A10	(4CO) (50146) 70:30: Trace
						A very hard medium dark grey → dark grey moderately pyritic ribbon
						banded qtzite. 4A characterized by thin carbonaceous folia and thicker very
						fine grained carbonaceous qtzite bands alternating with light grey qtz-py
						ribbon bands. Py also forms diffuse bands 1-2 cm thick 1% to 5% ± occurs
						as spotchy coarse grained fracture filling. Unit has a thick banding
						on a scale of 0.5' to 2' delineated by gradual ↓ in carbonaceous
						bands to form a medium-grey 4C qtzite.
						Est Pb+Zn 3% Est Py 15% In bottom half of
						interval there are coarse 2cm thick bands of light brown-
						olive green moderately hard non calcareous chlorite-muse phyllite.
						Core is slightly to moderately broken. Where more broken, breakage

DDH 87G-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 25/87 Logged By: LCP & CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						along steep fracture about 12% to core axis. One fracture has a dip direction 315° relative to S_2.
	505 3	507 8		28	4E4	→ (4A44)
						TOI to 506.3: Thinly banded moderately hard py 5°. Banding denoted by brownish Sph layers. Est Py + Zn 10%. Contains sparse dol clasts + dol filling thin steep fractures.
						506.3 → EOI: A very hard non calcareous dark reddish-brown qtzite. Thin graphitic folia barely visable because of strong reddish-brown moocho Sph. Est Pb+Zn 15% Contains thin clasts of pale-greenish white 4LO. Est Py 5%. Contact between the two units is gradational with ↓ in Py + ↑ in Sph, qtz.
						Core is intact, recovery is good.
	507 8	515 0		29	5A6	±1 (4L06) 65:35
						Dominately a dark grey moderately soft non calcareous, moderately pyritic phyllite. S_2 folia are a very dark grey → almost black. Locally contains thin bands of dark grey qtzite. Qtzose intervals approach a light grey qtz-py ribbon banding typically associated with 4A. Near bottom of int. especially from 512.5 down start to get interbands of soft non calc light greenish-grey musc-chl phyllite. S_2 are silvery pale green → white. The carbonaceous dark phyllites grade into these creamy soft phyllites.
						Py content of carb-phyllite 5-10%.
						Core is moderately broken, there are numerous steep fractures at 30° to core axis or steeper. Est Pb+Zn very low + dominately

DDH 87G-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						related to thin Sph rich veins / bands.
	15115 0	15117 9		310	4E10	±4
						Hard non calcareous, brassy yellow, fine grained py containing intervals up to
						1' thick of thinly banded brassy yellow + brown py massive sulphides.
						Proportions between 4E0 + 4E4 are 60:40.
						Est Pb+Zn 6%
						There are incipient steep fractures locally developed in the 4E0.
						Core recovery is good, core intact.
	15117 9	15218 2		211	14A10	(4E0) 90:10
						Very hard, moderately pyritic, ribbon banded carbonaceous qtzite. Ribbon
						banding shiny black + marks fingers. Non calcareous. Most of the Py
						confined to light grey qtz S- bands. Minor Py, qtz, very minor Po
						infilling very steep X cutting fractures at ≈ 35° to core axis. A
						1' interval where carbonaceous bands fade to silvery white mica
						folia + overall colour medium grey.
						Est Py 15% Est Pb+Zn 0-2% comb.
						Core is moderately broken. Recovery is good.
	15218 2	15319		312	15A119	6→(4A0) 60:40
						Moderately soft→hard non calcareous black phyllite with thin qtz -
						py laminae generally // to P_{S_2}. S_2 folia are black. Unit approaches
						ribbon banded 4A texture but black micaceous bands are generally
						soft. As above ↓ interval qtz - sulph bands become dominate
						and carbonaceous bands become thinner + harder. This marks the

DDH 87G-02

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Transition into PS_2 foliated 4A. The last 0.5' is a dol-qtz vein with 0.1' ps selvages
						Est Py 5% No base metal.
						Core is moderately broken to poker chippy.
	5131 9	5612 3		313	15A16	
						Moderately soft, very dark grey → black, non calcareous phyllite. S_2 foln dark, steely black, contains thin qtz siltsone bands/ laminae. Dominately the unit is PS_2 foliated. Top of interval → 541 moderately broken with minor very broken zones related to lith. / 541 - 542.5 – very broken incipient gouge developed with orientation along steep fracture dipping 28° azimuth 030 / 542.5 545.5 'poker chippy' 545.5 547 very broken rubbly incipient gouges // to S_2 / 547 - 555.5 moderately broken / 555.5 - 557 very broken & rubbly incipient gouge upper contact // S_2 lower contact // S_2 / 557 → EOI moderately broken.
						Recovery good TOI → 532 / 532 - 537 2' of core most loss probably near 537 related to qtz vein / 537 - 542 4½' core related to rubble & gouge at 542. / 542 - EOI recovery good
	5612 3	5614 0		314	14E10	
						Massive, homogenous, brassy yellow, hard, non calcareous pyrite.
						Core Intact, Recovery Good
	5614 0	6100 7		315	15A16	Same as unit 33 above previous unit.
						TOI - 565 very broken to rubbly with incipient gouge / 565 - 568.5 core intact, recovery is good, however, it looks like a very contorted, brecciated phyllite. /

DDH 87G-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: OCT 25/87 Logged By: LCP + CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						568.5 - 570.4 very broken + rubbly, recovery O.K. / 574-577 moderately broken / 577 - EOT very broken + rubbly with incipient gouges. 579-584 only 2' core / 584 to 589 only 3½' core / 592-596 4' core / 596-601 2' core. / 601-606 Black gouge changing to white gouge at EOT. Black gouge contains 'chunks' of vein qtz rec is 90%. Upper contact is // Sa. This is DOAL LAKE FAULT!
						E O H
	160107	160160				GOUGE
						This unit was not indicated

DDH 87G-02 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: OCT 25/87 Logged By: LCP + CUR

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	
	1 1	1 1 4 5 0	C S 1 2	S		4 1 0 0 1 0 1 0	6 3	PS_2 approaching CS_2. Foliations
	1 1	1 1 6 1 8 0	C S 1 2	S		2 5 0 1 2 0	6 1 0	Calcite - Qtz banding in pyroxenite
	1 1	1 1 9 1 3 0	P S 1 2				7 5	Micaceous foliation
	1 1	1 2 1 0 1 6 0	P S 1 2				6 2	Compositional banding in 4G
	1 1	1 2 1 2 0 5	C S 1 2	S		5 1 3 0 1 2 0	7 5	Ribbon Banding in 4A
	1 1	1 2 1 4 1 1	P S 1 2				6 1 0	Comp banding in 4G
	1 1	1 2 1 6 1 1	P S 1 2				7 1 0	Micaceous foliations + S^- banding.
	1 1	1 2 1 8 1 0	C S 1 2	S	8 5 1 8 1 0	4 5 0 1 0 1 0	6 6	S_3 foliation - Micaceous foliations
	1 1	1 2 1 9 1 7	C S 1 2	S		2 1 7 0 1 0 1 0	6 1 2	Micaceous foliations
	1 1	1 3 1 2 1 1	C S 1 2	I		0 1 0 0 1 0 1 0	8 5	" "
	1 1	1 3 1 2 1 9	C S 1 2	M		0 1 0 3 1 4 1 0	7 1 2	Fold nose in siltstone
	1 1	1 3 1 5 1 3	C S 1 2	I			8 6	
	1 1	1 3 1 6 1 6	C S 1 2	I			8 4	Approaching PS_2
	1 1	1 3 1 8 1 8	C S 1 2	S		4 1 0 0 1 0 1 0	8 1 0	Micaceous foliations
	1 1	1 4 1 0 1 7	P S 1 2				8 1 4	" "
	1 1	1 4 1 2 1 7	P S 1 2				8 1 0	" "
	1 1	1 4 1 3 1 9	P S 1 2				7 1 0	" "
	1 1	1 4 6 1 2 0	P S 1 2				8 1 8	Carbonaceous folia in 4A
	1 1	1 4 1 8 1 2 0	P S 1 2	Z		9 1 0 0 1 0 1 0	6 1 6	Carbonaceous folia in 4A
	1 1	1 4 1 9 1 5 0	C S 1 2	Z		8 1 0 0 1 0 1 0	5 1 7	" " " "
	1 1	1 5 1 1 1 2 0	C S 1 2	Z			6 5	S_1 observed in rubble
	1 1	1 5 1 3 1 1 0	P S 1 2				6 1 0	Micaceous Foliations
	1 1	1 5 1 5 1 2 0	P S 1 2				6 1 2	" "
	1 1	1 5 1 7 1 4	P S 1 2				3 1 3	" "
	1 1	1 5 1 7 1 8	P S 1 2				1 1 0	" "
	1 1	1 5 1 8 1 8	P S 1 2				4 1 6	" "
	1 1	1 6 1 0 1 0 5	P S 1 2				4 1 0	" "

DDH 87G-02 (2–8) CURRAGH RESOURCES INC.

Page 16 of ____

Logged by LCP + CUR

ASSAY LOG (SAMPLER'S COPY)

Date OCT 25/87 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
	1672	1711	11095		39	4DB$	79 4DE4
	1711	1745	11096		41	4DE4	
	1745	1781	11097		40	4DE4	
	1781	1835	11098		55	4L24	4LD
	1835	1887	11099		47	4L24	
	1887	1945	11100		67	4D3L	
	1945	1986	11101		57	4E4	
	1986	2017	11102		45	4L	24
	2017	2060	11103		43	4E4	porous 4L
	2060	2110	11104		50	4E4	
	2110	2163	11105		53	4E4	
	2163	2204	11106		41	4AC3	
	2204	2245	11107		41	4AC3	
	2245	2286	11108		41	10Q$	
	2286	2340	11109		54	4E4	
	2340	2387	11110		47	4E4	
	2387	2426	11111		39	4G4	
	2426	2450	11112		24	4G4	
	2450	2494	11113		44	5B4$	
	2494	2530	11114		36	5B4$	
	2530	2562	11115		32	5B4$	
	2562	2598	11116		36	5B4$	
	2598	2648	11117		50	4L124	
	2648	2670	11118		22	4LA	
	4363	4417	11119		54	5B469	
	4417	4475	11120		58	4L124	
	4475	4519	11121		43	4LC	
	4519	4567	11122		49	4EG4	
	4567	4601	11123		40	4EG4	
	4601	4642	11124		45	4AC79	
	4642	4685	11125		49	4AC79	
	4685	4720	11126		40	4AC79	
	4720	4762	11127		48	4AC79	
	4762	4800	11128		42	4AC79	
	4800	4843	11129		48	4AC79	

DDH 87G-02 (2–8) CURRAGH RESOURCES INC.

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Logged by LCP & CUR

ASSAY LOG (SAMPLER'S COPY)

Date

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
	4843	4877	111130		37	4AC79	
	4877	4920	111131		41	4E46	
	4920	4960	111132		48	4AC0	
	4960	5005	111133		49	4AC0	
	5005	5053	111134		50	4A0	
	5053	5078	111135		32	4E4	
	5078	5123	111136		48	5A6±1	
	5123	5150	111137		34	4L	06
	5150	5179	111138		30	4E0	±4
	5179	5230	111139		50	4A0	(4C0) 90:10
	5230	5282	111140		55	4AP	(4C0) 90:10
	5282	5319	111141		45	5A196	→ (4A0) 60:40

PROJECT _____ DRILLHOLE NO. 87G-02 COORDINATES: N _____ DATE OCT 25/ 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 19 of _

LOGGER _____ INCLINATION -90 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.	
130		0		0													Tricone
133		1		0													
142		2.0		0.9													
147		4.0		0													
152		2.0		0.4													
157		5.5		0.8													
162		4.9		1.2													
167		5.4		2.2													
172		4.9		3.9													
177		5.4		3.1													
182		4.5		0.4													
187		4.5		0.4													
191		3.8		0.4													
196		5.2		2.1													
199		3.5		0.6													
203.5		5.1		1.4													
208		5.5		0.9													
211		3.2		0.5													
215.5		4.0		0.4													
220		4.1		2.1													
225		5.0		2.5													
230		3.7		2.0													
235		5.2		2.5													
240		5.6		3.0													
245		5.1		4.8													
250		5.0		3.1													
253		3.0		0													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ E _____ PAGE 20 of __

LOGGER LCP+CVR INCLINATION -90° 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.	
258		5.5		2.1													
262		3.3		0.6													
267		5.0		2.7													
272		5.7		2.7													
277		5.3		4.8													
282		5.1		4.5													
287		5.1		4.6													
292		5.0		1.7													
297		5.1		3.8													
302		5.0		4.0													
307		5.3		1.3													
312		4.0		0.9													
317		5.2		1.3													
322		4.5		3.1													
327		5.2		3.4													
332		5.5		2.5													
336		3.8		3.1													
341		5.3		2.7													
346		5.4		3.1													
351		5.3		1.4													
356		5.0		3.2													
361		5.0		3.4													
366		5.3		2.4													
371		5.3		1.0													
376		5.0		3.9													
382		5.0		3.7													
387		5.0		1.7													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-02 COORDINATES: N _____ DATE OCT 25 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 21 of _

LOGGER LCP & CVR INCLINATION -90° 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.	
392		5.1		2.3													
397		5.2		3.8													
402		4.8		2.1													
407		5.2		3.6													
412		4.8		3.8													
417		5.0		2.4													
422		5.1		3.4													
427		5.2		4.0													
432		5.0		2.4													
437		5.2		2.2													
442		5.3		4.4													
447		5.2		3.9													
452		5.0		3.1													
457		4.5		3.3													
462		5.3		4.0													
467		5.1		5.1													
472		5.3		5.3													
477		5.3		5.3													
482		5.0		4.0													
487		5.2		3.1													
492		4.8		2.2													
497		5.6		2.7													
500.5		3.7		3.2													
505.5		5.0		4.7													
511		5.3		1.5													
516		5.1		1.4													
521.5		5.2		2.9													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM | DRILLHOLE NO. 87G-02 | COORDINATES: N | DATE OCT 25/89

LOCATION | HOLE SIZE NQ | E | PAGE 22 of

LOGGER | INCLINATION -90° | ELEVATION

PITEAU & ASSOCIATES
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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.	
527		5.3		2.9													
532		5.5		1.5													
537		2.3		0													
542		3.5		0													
547		3.5		0													
552		5.0		0.9													
557		5.0		0.7													
562		5.2		0.4													
565		2.5		1.5													
570		5.0		2.1													
574		2.5		0													
579		5.5		0.9													
584		1.5		0													
589		3.5		0													
592		1.0		0													
596		3.5		0.4													
601		1.9		0													
606		5		0													
				EOH													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-03

Reference Fabric Orientation Diagram:

Project: 1987 Grum Drilling

Location: Grum deposit

Claim: _____

Terr.Plane Co-ords.: 6904718.99 N

592462.54 E

Grid Co-ords: 64W / 1.0 N

Elevation: 1276.45

All symmetry determinations looking

Total Depth: 286 feet (

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: test ore horizon near overburden + metallurgical samples

Reason hole Terminated: intersected ore and underlying phyllite

Logged by: CVR / LCP

Date(s) Logged: Oct 27-29/1987

Drilling Contractor: Arctic Diamond Drilling

CORE Size	From	To
NW	0	150
NQ	150	286

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: MINE

Certificate No's: _____

Started: Oct 20/87 Completed: Oct 23/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-03
(2 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	87G-03	12716.4	9014719.10	5912462.5		512	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	87G-03	100	180°	010°	AT COLLAR
R	87G-03	273 ~~[illegible]~~	179°	304 ~~[illegible]~~°	SPERRY SUN SINGLE SHOT
R			.	.	
R			.	.	
R			.	.

DDH 87G-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 27/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1 1 10 0	1 1 15 10 0		1 1	1 #1	Ticored - no recovery
L	1 1 5 10 0	1 1 5 13 0		1 2	1 #1	Fragments of 10A3 ballbolish - no mud/clay/sand matrix recovered
L	1 1 5 13 0	1 1 6 12 0		1 3	1 4 D 3 1 0	[4EH1] Slightly oxidized. Moderately hard to hard, dull brown grey, noncalcareous, very pyritic phyllite (or moderately siliceous pyritic S=) Interval poorly banded w/ laminae of diffuse brown phyllonite. Interval badly fractured w/ fractures nearly parallel core axis. Fractures xcut compositional banding. Fractures locally weathered porous and vuggy. Py content 60-70% Grade 8-9% (Pb+Zn) 153-156.5 — 2.6' core, top 0.5' rubble w/ 3-4 small pebbles 10A3 / 156.5-162.0 0.9' core — very rubbly Interval has poor recovery w/ much rubble.
L	1 1 6 12 0	1 1 6 15 5		1 4	1 5 B 1 6	GOUGE Extremely soft, noncalcareous, light grey, mud gouge. No internal texture. Upper contact lost in rubble. Lower contact 56/00E2 = PS2 against phyllite. 162-164 - 0.3' core / 164-EOI, 1.5' core — mud well recovered.
L	1 1 6 15 5	1 1 7 17 1		1 5	1 5 B 6	± 2 Very soft, light silvery grey to med dk grey, noncalcareous, PS2-foliated phyllite S2 folia silvery grey — locally they are dull steely grey-black. Unit contains isolated py porphyroblasts. S2 nearly parallel core axis / core breaks readily along S2 plane. At 168.5-170.5 have 5826. Core very broken & rubbly w gouge zone at 172. TOI-172 recovery OK 172-177 3' core w/ most being lost at 172 (gouge zone)

DDH 87G-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 27/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	177 1	185 5		6	5A6 9	
						Very black, dominantly PS2 foliated (locally microlithons noticed), moderately soft, noncalcareous, phyllite. Micro-lithon texture caused by qtz-pyrite laminae. Py also forms isolated porphyroblasts. Core very poker chippy – breaking along S2. S2 folia shiny black & strongly marks fingers. Core very brken to rubbly / 177-181 1' core lost / 181-EOI recov OK.
L	185 5	188 5		7	5A0	
						Moderately soft to locally hard, dark grey, CS2-foliated, moderately to slightly calcareous phyllite. Micro-lithons defined by light grey to white calcite-qtz siltstone laminae/bands. S2 folia mod. dk sterly grey to black. Strong black sooty mark left on finger. Minor isolated py porphs. Steep x cutting qtz-calcite-dolomite filled fractures. Core very brken – recovery good.
L	188 5	194 8		8	5A6 9	
						Moderately soft, CS2-foliated, carbonaceous phyllite. S2 folia shiny dk-grey-black & strongly mark fingers. Noncalcareous. Microlithons defined by grey qtz-muscovite siltstone laminae & bands. Minor isolated py porphs. Py also occurs disseminated in qtz-sulphide light grey to white bands. TOI – 192.8 core slightly brken / 192.8-EOI rubbly to very rubbly recovery OK.
L	194 8	197 0		9	4G4	(3C4) 55:45
						Pale brown to mustard yellow, poorly laminated, noncalcareous, pyritic/baritic S². Contains abundant honey-coloured sphal + dissem. py. Highly fractured – fractures ∥ core axis – fractures infilled by qtz. Lower contact of S² sharp against very soft white and bright green striped metabasite. Contains abundant fuchsite in poorly defined

DDH 87G-03 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 27/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
						laminae consistent w/ S^0 banding in 46. Bottom contact sharp - Both metabasite contacts // 52. S^0 estimated grade 12% (Pb+Zn). Py content 25%. Top 0.5' rubble / rest of unit intact / recovery OK.
L	119170	120130		110	15A119	6
						Black, to locally dark grey, CS2 foliated, moderately soft to locally hard, non-calcareous phyllite. S2 folia are dark carbonaceous black. Qtz-py banding evident in microlithons + textures. Interval approaches 4A texture w/ qtz-py laminae / however the intervening black phyllite is generally still moderately soft (i.e. not siliceous). Qtz-py bands are up to 1cm across. Core mod. broken recovery good Pegmatitic qtz vein sampled @ 202.3 - 20cm thick - numerous fractures infilled w/ galena & py
L	120130	121137		111	14E141	±6 ±0 (3C4 ?)
						Yellow brown, hard, fine-grained, non-calcareous, pyritic massive S^0. Most of interval very poorly banded except for 0.6' @ 206.5 which is thickly laminated baritic, pyritic S^0. Locally has micro buckshot texture of py grains dissem. in brown sphal-rich matrix. TOI - 203.7 emerald green and dull-grey striped, soft, slightly dolomitic, highly altered metabasite. Contains bright green fuchsite. Contact sharp and parallel S2. Grade 8-9% combined Py-content 50-90%; more py in lower grade areas. Core mod. broken to very broken @ 206-206.5 and 210-211 Bottom of interval has footage tag w/ wrong mislatch. 213.1-214.6 has no core because of mislatch.
L	121131	121146		112		Mislatch - no core

DDH 87G-03 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 27/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	121146	121174		113	14G41	
						Light grey, very baritic, noncalcareous, thickly laminated baritic S=. Py is finely disseminated in thick laminae parallel S2? Abundant honey-coloured sphal. Barite content ≥ 50-60 % Grade 12-15% Py content 20% Core very broken w/ local rubbly sections. Rubbly @ mislatch Recovery OK
L	121174	121210	8	114	14E414	
						Brown, hard, thomogeneous, micro-buckshot pyritic massive S= Py content 60%. Estimated grade 20% Pb+Zn. Core slightly broken & recovery good
L	121210	121318	1	115	14G41	
						Light grey brown to locally yellow brown, thickly laminated to locally thickly banded, baritic pyritic S=. Some fold noses delineated by compositional banding. Fine, dissem. py forming pyritic bands 1cm - 4cm thick. Thick laminae also defined by light brown sphal. Py content 30 - 90% Overall grade 14% (Pb+Zn) Core intact Totally mod. broken 231.5-230.5.
L	121318	121465		116	14E41	± 6 (3C4%) TRACE
						Hard, poorly banded, brassy yellow-brown, locally baritic, noncalcareous, pyritic massive S=. Banding defined by barite-rich intervals 0.2 - 0.4' thick. Minor thin laminae of red-brown sphal parallel S2 - otherwise sphal laminae are dk. brown. At 240.1' / 0.4' thick light green & white striped, mod. hard, slightly dolomitic, metabasic. Contains green fuchsite. Contact sharp & parallel S2. Core intact to slightly broken - recovery OK Grade 9-10% (Pb+Zn) Py content 70-75%

DDH 87G-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 28/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	121416 5	121510 5		117	14E101	(4AO) TRACE (3C4$) TRACE
						Brassy yellow, hard, homogeneous, fine-grained, massive py. Locally contains thin qtz-filled fractures parallel core axis. At 247.5' have 0.1' thick PS2 foliated, ribbon-banded, carbonaceous qtzite. Contacts sharp against massive py. At 249.0' have 0.5' band of soft, slightly dolomitic, striped white and bright green metabasite. Dominant qtz parallel fabric in 4A. Grade estimate 1-2% (Pb+Zn). Py ≥ 95% Core intact to slightly broken - recov. good
L	121510 5	121514 8		118	13G01	±1 ±7 I6
						Mod. soft (to hard at TOI), light gray, noncalcareous phyllite. Contains local thin green chloritic laminae. Top 1' has abundant light gray qtz banding w/ chlorite selvages - banding parallel core axis - not veins. Minor calcite present only as infilling for small thin fractures - steeply dipping (shallow angle w/ core axis). Minor py / arsenopyrite (?) occurs in very thin laminae near top of interval. TOI - 251.5 core intact w/ good rec / 251.5 - 254.0 very broken, rec. OK / 254 - EOI mod. broken, rec. OK
L	121514 8	121620		119	14E101	(4G4)(HE4 ±6) 75:10:15
						Dominant rock type brassy yellow, hard, homogeneous, fine grained py. Contains extremely minor diss. qtz clasts <1mm - 1.5cm across. As go down DDH grade into dk. brnish. yellow, high grade pyritic. 5" Dk brown sphal in thin laminae parallel S2. Extends for 2.5'. Core becomes increasingly banded down DDH → grades into 4G4. Banded interval 0.7' thick. Colour is light tan-grey. Contains less py. Bottom 1' of interval 4EO. Overall grade 8-9% (Pb+Zn). Py content 75-80% Core mod. broken / rubbly for last 6". Recovery good.

DDH 87G-03 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 29/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	121612 0	121619 0		1210	141L161	[SD6] (HAO) Trace
						Soft, pale olive green, poorly laminated, PS2 foliated, chlorite-muscovite phyllite. Very slightly calcareous. Contains minor qtz veins w/ associated py and some thin qtz laminae parallel S2. Top 3" consists of pieces/rubble of dk grey, very hard, carbonaceous qtzite - HAO. 7' interval from 262-269 contains 1' of core. Core very broken & rubbly - especially at top & bottom of interval. Possible fault??
L	121619 0	121718 3		1211	151B121$	
						Dk grey, slightly dolomitic, soft, mod. carbonaceous phyllite. Both CS2 - and PS2 foliated. Thinly laminated w/ variations in shades of grey. S2 surface is med silvery grey w/ very minor green patches. Minor small py porphs. Locally microlithons defined by thin qtz-py veinlets parallel S2 fltn. Core mod. broken TOI - 275.0 / 275 - EOI very broken to rubbly in sections. Last 6" contains abundant grey gouge. Bottom contact has orient 000/30. Top contact looks parallel S2. Internal orient same as bottom contact. Abundant qtz clasts in gouge. Also incipient gouge 275.5 / very rubbly @ 276.9. All about 6" thick. Recovery OK.
L	121718 3	121816 0		1212	151B1210	
						Dark grey, moderately hard, CS2 - foliated, carbonaceous, slightly calcareous phyllite. Contains numerous closed fractures infilled w/ qtz-calcite. Micro-lithons defined by qtz-calcite siltstone bands. S2 foliae are dark steely grey. Locally contains small isolated py porphs. Noted very minor dark grey chert nodules. Core mod. broken / recovery good.
						EOH

DDH 876-03 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Structural Log Date: Oct 29/87 Logged By: CVR

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		11710	PIS12				413	pervasive flbn
S		11910	CIS12	S		010 31510	614	micro-lithons in SA
S								could be considered M
S		121010	CIS12	S		114 31410	515	gte-S= banding in SA
								again very steep S1
S		121016	PIS12				515	compositional banding in 4EG
S		121170	PIS12				215	" " " "
S		121310	PIS12				518	region of steep comp. banding w/ fold noses — possibly related S1
S		121414	PIS12				518	sphal rich banding in 4E4
S		121716	PIS12				412	pervasive mica flbn
$		121710	CISin			515 / 1810		post S2 structure kinks S2 flbn
S		121713	PIS12				512	pervasive mica flbn
$		121713	CISin			214 / 1810		post-S2 fracture/clvge kinks & distants S2
S		121816	CIS12	S		413 01010	716	CS2 → PS2
								EOH

DDH 87G-03 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date Oct 29/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14	16 20	22 26	28 30	32 34	36 40	42
P	1+15+30	1+16+20				4D1301	[4E41]
P	1+16+20	1+16+55				5B161	gouge
P	1+16+55	1+17+71				5B161	±2
P	1+17+71	1+18+55				5A16191	
P	1+18+55	1+18+85				5A101	
P	1+18+85	1+19+48				5A16191	
P	1+19+48	1+19+70				4G141	(3C4)
P	1+19+70	2+01+30				5A11916	
P	2+01+30	2+01+80				4E141	
P	2+01+80	2+11+31				4E141	
							MISLATCH
P	2+11+46	2+11+74				4G141	
P	2+11+74	2+12+08				4E1414	
P	2+12+08	2+12+50				4G141	
P	2+12+50	2+12+90				4G141	
P	2+12+90	2+13+35				4G141	
P	2+13+35	2+13+81				4G141	
P	2+13+81	2+14+21				4E141	
P	2+14+21	2+14+65				4E141	
P	2+14+65	2+15+05				4E101	
P	2+15+05	2+15+48				3G101	
P	2+15+48	2+15+84				4EG1	
P	2+15+84	2+16+20				4EG1	

C.R.I. 1987 E-5

DDH 87G-03 (2–8) CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date Oct 29/87 Sampled by ____

CODE (1)	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
P	1153 0	1162 0	30420	90	51	4D30	[4E41]
P	1162 0	1165 5	30421	35	21	5B6	gouge
P	1165 5	1177 1	30422	116	106	5B6	±2
P	1177 1	1185 5	30423	84	78	5A69	
P	1185 5	1188 5	30424	30	33	5A0	
P	1188 5	1194 8	30425	63	71	5A69	
P	1194 8	1197 0	30426	22	26	4G4	(3C4)
P	1197 0	2013 0	30427	60	77	5A196	
P	2013 0	2018 0	30428	50	61	4E4	
P	2018 0	2113 1	30429	51	56	4E4	
							MISLATCH
P	2114 6	2117 4	30430	28	39	4G4	
P	2117 4	2208	30431	34	31	4E44	
P	2208	2215 0	30432	42	50	4G4	
P	2215 0	2219 0	30433	40	48	4G4	
P	2219 0	2313 5	30434	45	46	4G4	
P	2313 5	2318 1	30435	46	50	4G4	
P	2318 1	2421	30436	40	50	4E4	
P	2421	2465	30437	44	50	4E4	
P	2465	2505	30438	40	42	4E0	
P	2505	2548	30439	43	49	3G0	
P	2548	2584	30440	36	45	4EG	
P	2584	2620	30441	36	43	4EG	

PROJECT _____ DRILLHOLE NO. 876-03 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ 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.	
150																	Tricone2 - no recovery
153		0.9		0													
156.5		2.6		1.3													
160		0.3		0													
162		0.3		0													
164		0.3		0													
166		1.9		0													
168.5		2.2		0													
172		2.9		0													
177		2.7		0													
181		2.7		0													
184		2.9		0													
189.5		5.7		0.8													
194.8		5.7		1.7													
200		4.7		2.2													
203		3.9		0													
206.5		4.0		1.0													
211.0		4.6		2.6													
214.5		2.1		1.2													mislatch
216.5		2.2		0													
221.5		5		2.6													
226.5		5.2		4.1													
231.5		5.2		3.8													
236.5		4.9		3.4													
241.5		5.5		4.7													
252		5		3.6													
257		5.3		0.9													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 876-03 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° 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.	
262		5.6		2.0													
269		2.1		0													
272		3.5		2.2													
277		4.6		1.5													
282		5.1		2.4													
286		4.8		0													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-04

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum deposit

Claim: _____

Terr.Plane Co-ords.: 6904793.78 N

592450.08 E

Grid Co-ords: 66W / 2.5N

Elevation: 1277.57

All symmetry determinations looking

Total Depth: 257 feet (78.3 m)

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: test ore near overburden + provide metallurgical samples

Reason hole Terminated: reached intended depth in low grade gtosse ore

Logged by: CVR / LCP

Date(s) Logged: Oct 25/87

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented: No

Steel down Hole: No

Collar Cased and Capped: No

CORE Size	From	To
NW	0	135
NQ	135	257

Assay Lab: MINE

Certificate No's: _____

Started: Oct 23/87 Completed: Oct 24/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 8,7,G,-,0,4,
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	8,7,G,-,0,4,	1,2,7,7,.,6,	9,0,4,7,9,3,.,8	9,0,2,4,5,0,.,1		5,2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	8,7,G,-,0,4,	1,0,0	1,8,0,.,0	1,0,.,0	A,T, ,C,O,L,L,A,R,
R	8,7,G,-,0,4,	1,2,4,9,0	1,7,8,.,5	2,5,3,.,0	S,P,E,R,R,Y, ,S,U,N, ,S,I,N,G,L,E, ,S,H,O,T
R			.	.	
R			.	.	
R			.	.

DDH 87G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	0 0	1315 0		1	#1	TRiconed — no recovery
L	1315 0	1319 3		2	#1	Overburden. Variably sized pebbles — boxed. Batholith / minor mud.
L	1319 3	1412 0		3	5A6	Mod soft, black, PS2 foliated, noncalcareous carbonaceous phyllite. Unit incipiently brecciated via sharp fractures xcutting PS2. Minor py re-filling thin fractures. S2 folia are dk shiny grey-black. Some minors variably sized qtz veinlets/sweats. No mineralization. Core mod. broken TOI - 141.6 / 141.6 - EOI very rubbly + Top has reground "cuttings" pebbles presumably left in hole after tricone. Recov OK
L	1412 0	1415 7		4	4A10	± arsenopyrite (3648) Fence. Mottled black and grey, CS2 foliated, hard, moderately pyritic qtzite. Noncalcareous. Top contact lost in rubble. Bottom contact sharp - marked by 10cm of abundant fine to coarse grained, subhedral arsenopyrite + py assoc. w/ pegmatitic qtz & likely veins. Py content 15-20%. Grade estimate 4-5% (Pb+Zn). 1" piece of soft pale green, noncalcareous phyllite @ 143.8'. Possibly floated from next run over. Core extremely broken w/ local rubble. Recovery reasonable.
L	1415 7	1419 4		5	3G10	± 8
						Soft, noncalcareous, light grey to locally dull olive green, phyllite. S2 folia are light silvery grey w/ minor green patches. PS2 foliated. Core mod. broken w/ good recovery.

DDH 87G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1149 4	1154 7		16	4D5	± aspy minor
						Very mottled light grey, noncalcareous, moderately hard, moderately carbonaceous qtzite. Contains some micaceous grey intervals up to 1cm thick which are softer. Abundant reddish brown sphalerite looks to be parallel compositional banding S2 folia are dull grey Compositional banding steep - nearly parallel core axis Py content 5%. (Pb+Zn) = 7% Fine grained aspy qtz veins 2cm thick // S2 @ top of interval Core extremely broken TOI - 150.4 and 153.7 - EOI Mod. broken for rest of interval. Recovery OK
L	1154 7	1158 7		17	4C10	±5 minor
						Light grey, noncalcareous, very hard, thickly banded, pyritic qtzite. Py finely dissem w/ qtz - base metals in bands 1cm - 6cm thick Bands parallel S2. Locally micaceous folia which are carbonaceous / otherwise they are light silvery white muscovite. Py content 25% Grade = 4% (Pb+Zn)
						Core mod. broken w/ good recovery
L	1158 7	1175 6		18	4D10	
						light grey, hard, noncalcareous, thickly banded, pyritic qtzite Poorly banded w/ local thick bands of py-sphal-gal dissem in qtz (1-3 cm.)
						Bands generally parallel S2. Abundant fractures which are weathered - contain dull tans mineral which reacts slightly to 20% HCl when powdered Same mineral locally delineates S1 fltn. Fractures are steeply dipping - nearly parallel core axis. Py content 10-15% 7-8% Pb & Zn. Minor silvery white musc. on S2 folia TOI - 160 mod. broken / 160-165 very rubbly - no gouge / 165-168.5 mod. broken / 168.5-171.5 very rubbly / 171.5 - EOI slightly broken
						Last 2' developing bxa texture assoc. w/ fractures parallel core axis

Recovery all OK

DDH 87G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1756	1820		19	4D01	±5 bxa Mottled dull grey, noncalcareous, very hard, slightly pyritic gtzite. S2 folia range from silvery grey to black. Py content 5-10% Estimated grade 7% ?? (Pb+Zn) Unit very rubble. Consists of chunks of gtzite broken along S1 and S2. Intervals look incipiently gouged. Upper contact has bxa along steep fractures. Very broken & fractured interval in which it is difficult to properly describe rock type. 2' core recovered 177'-182'
L	1820	1901		10	4D05T	(4L0) minor Light grey to mid grey, thinly banded, hard, noncalcareous, slightly pyritic, moderately carbonaceous gtzite. S2 folia are dull silvery grey to locally dk grey S= bands of abundant sphal-py ~1cm thick and are parallel S2 and S1. Locally micaceous folia are carbonaceous - very dark grey to black. Py content <10% Grade 8-9% (Pb+Zn) Py ≈ Sphal. Minor thin intervals of gouge, soft, light greenish creamy muscovite phyllite. centred @ 184.5 about 10cm thick. TOI - 185 very broken / 185-187 mod. broken / 187 - EOI very broken. Recovery lost 1' core between 187-190. Fractures have coating of light yellowish soft muddy material
L	1901	1914		11	4C01	Bxa Thrashed & highly disrupted dull grey, mod. hard, very slightly pyritic gtzite. Extremely broken & rubbly / contains numerous steep fractures nearly parallel core axis. Contains abundant dull yellowish-weathering mineral in fractures & on cut surface. Bottom 2' is rubbly gouge of small gtzite pieces in a gouge muscovite-rich mud. Possibly some 4L in lower part. Recovery OK

DDH 87G-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: CR/LCP Logged By: Oct 25/87

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1914 0	1917 5		1 2	4D5	
						Hard, light grey, PS2 and CS2 foliated, noncalcareous qtzite. Thickly laminated, slightly pyritic. Laminae contains dissem. py-sphal-ga - 2-3 mm thick. S2 folia are silvery grey. Py content 6-7%. Grade 10% (Pb+Zn). Scattered fractures contain dull yellow soft mineral. Core mod. brken w/ good recovery.
L	1917 5	2016 5		1 3	4D5	rubble
						Similar to last unit from what one can see. Total rubble - largest piece about 5 cm across. Extensively fractured. Surfaces have dull cream-green soft weathered residue/mineral. TOI - 202 recovery OK / 202 - EOI only have 50-60% recovery of the rubble.
L	2016 5	2125 3		1 4	4D0	±5 (10Q 9)(4LO) 95:05 : FLACE
						Light brnish grey, hard, slightly pyritic, noncalcareous, slightly carbonaceous qtzite. S2 folia dull grey. Nice reddish-brown sphal in thick laminae up to 3mm aligned parallel S1 and S2. Besides sphal they have minor ga & py. S2 folia dark grey for intervals up to 1' (carbonaceous). At 212.3 2" thick band soft, pale green, noncalcareous, musc-chlorite phyllite (4LO). Py content 5%. Grade 9-10% (Pb+Zn) w/ sphal >> py. Sparse fractures w/ dull yellow soft mineral. Some pegmatitic bull qtz up to 20-30 cm thick w/ associated sphal-gal infilling fractures. Core mod. brken. Recovery OK.

DDH 87-G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12125 3	12129 0		115	15A169	± 1
						Dark grey to locally black, moderately soft, noncalcareous phyllite. Contains thin med grey, fine-grained, qtzite bands aligned parallel S1. Py and sphal ± aggy as thin stringers along fractures and cleavages. S2 folia are dark grey to black. Py 5% Grade 3% (Pb+Zn) Py ≈ Sphal Minor fractures w/ soft earthy yellow mineral Core mod broken TOI - 226.7 / 226.7 - EOI intact
L	12129 0	12135 0		116	14A130	(4E3)(4C30) 70:15:15
						Dk grey to black to brassy yellow brown, hard, noncalcareous, ribbon-banded qtzite. Contains abundant fractures (steeply dipping) containing soft yellow weathering surface coating. Pyritic bands are fine-grained, dk brown, ranging in size up to 2cm. These contain abundant small qtz clasts / locally they are steeply dipping. TOI - 230, thinly pyrite-banded, light grey and bronze yellow stained qtzite w/ py-marcasite bands parallel S2 S= bands have diffuse margins & contain abundant qtz clasts. - S= bands up to 3cm thick / 230 - 231. marcasite-py bands coalesce to form brassy-yellow, very fine-grained massive S= w/ abundant small qtz clasts. Strong flow bxn texture. Contact sharp & steeply dipping - marked by 1-2mm thick band of brassy yellow py. Cut surface is locally porous Sparse sharp xcutting fractures w/ dull mottled yellow-green mineral (hard) on surfaces. Mod. broken core. / recovery OK Estimated grade 4% (Pb+Zn)
L	12135 0	12146 /		117	15A16	→ (4C5) (4L6)
						TOI - 237.5 dk grey to black, med soft, noncalcareous, CS2 foliated phyllite S2 folia are black. At 236' pegmatitic qtz vein 6cm thick w/ galena

DDH 87G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: CR/HCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						infilling fractures. 0.1' HA6 @ 235.5 – soft, noncalcareous, pale green to creamy yellow phyllite.
						237.5 - EOI 5A grades sharply into hard, greyish, bronze yellow pyritic qtzite. Well fractured w/ py-mascasite infilling fractures. Very poorly banded S2 foliation not exposed Py content 5%. Grade 3% (Pb+Zn). Some locally developed, paper thin carbonaceous laminae.
						Core very broken w/ rubbly sections @ 242 and 243.5. Recovery OK
						Minor gouge @ 243.5 Breaking along S2. Not many fractures.
						Small phyllite SA6 for interval 242.5 - 243.5
L	12416 1	12513 2		118	14015T	→ (HA4)(1029)(42.642) 40:40:15:05
						TOI - 247 Dull grey to brown, noncalc, poorly laminated, hard, mod pyritic qtzite. Abundant red brn sphal in poorly defined bands parallel S1 and S2. Numerous fractures at steep angle to core axis. Grade 8-9% (Pb+Zn); Py ~5%.
						247 - 248.5 pegmatitic calcite qtz vein w/ numerous fractures filled w/ interstitial sphal + gal. Marginal contacts diffuse.
						248.5 - 249.9 Soft, dull olive green, noncalcareous phyllite w/ numerous grey-brown qtz-sphal bands within it. No py noted 5° bands // S2. Bottom contact gradational into HA4 qtzite.
						249.9 - EOI Thinly laminated, hard, noncalcareous, carbonaceous, CS2-foliated, ribbon-banded qtzite. Abundant red-brn sphal rich bands up to 5mm thick aligned parallel S1 and S2. Py content <5% but may have 5% mascasite. Sphal ~ 9% (Pb+Zn) w/ overall (Pb+Zn) = 11%
						Mod. broken w/ good recovery

DDH B.76-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 25/87 Logged By: CR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12513 2	12517 0		119	141C15T	[3619] [485]
						Mod. hard, med grey, CS2-foliated, moderately micaceous gtzite. Noncalcareous S2 folia are silvery grey. Interval consists of 1cm or thinner gtzite bands/laminae interlaminated with 0.5cm or thinner moderately soft micaceous bands/laminae. On cut surface micaceous bands "weathen" in slightly giving core an "etched" appearance. Numerous steep fractures. Essentially only 2-3% py. TOI - 254.0 is very rubbly, micaceous gouge w/ numerous small gtzite rubble. Incipient gouge - probably not major fault. 254 - EOI mod. broken. Recovery OK
						EOH

DDH 87G-04 (2 … 8) CURRAGH RESOURCES INC. Page 10 of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date OCT 25/87 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
	113193	114120				15A16	
	114120	114157				14A10	± arsenopyrite
	114157	114194				13G10	± 8
	114194	115147				14D15	
	115147	115187				14C10	± 5 minor
	115187	116120				14D10	
	116120	116182				14D10	
	116182	117120				14D10	
	117120	117156				14D10	
	117156	118200				14D10	± 5 Rxa
	118120	118559				14D15	4LO Minor
	118559	119101				14D15	4LO Minor
	119101	119140				14C10	RxA
	119140	119175				14D15	
	119175	120120				14D15	RUBBLE
	120120	120165				14D15	RUBBLE
	120165	121116				14D10	± 5
	121116	121160				14D10	± 5
	121160	122110				14D10	± 5
	122110	122153				14D10	± 5
	122153	122190				5A619	± 1
	122190	123150				14A310	
	123150	123181				15A16	
	123181	124111				15A16	
	124111	124161				15A16	
	124161	125132				14D15	
	125132	125170				14C15	

DDH 87G-04 (2–8)

CURRAGH RESOURCES INC.

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Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date OCT 25/87 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
	1393	1420	30492	27	39	5A6	
	1420	1457	30493	37	34	4A0	± arsenopyrite
	1457	1494	30494	37	33	3G0	± 8
	1494	1547	30495	53	72	4D5	
	1547	1587	30496	40	52	4C0	± 5 minor
	1587	1620	30497	33	47	4D0	
	1620	1682	30498	62	9.2	4D0	
	1682	1720	30499	38	5.0	4D0	
	1720	1756	30500	36	46	4D0	
	1756	1820	30501	64	52	4D0	± 5 Rxa
	1820	1859	30502	39	45	4D5	4L0 Minor
	1859	1901	30503	42	37	4D5	4L0 Minor
	1901	1940	30504	39	44	4C0	RxA
	1940	1975	30505	35	25	4D5	
	1975	2020	30506	45	46	4D5	RUBBLE
	2020	2065	30507	45	43	4D5	RUBBLE
	2065	2116	30508	51	53	4D0	± 5
	2116	2160	30509	44	57	4D0	± 5
	2160	2210	30510	50	58	4D0	± 5
	2210	2253	30511	43	54	4D0	± 5
	2253	2290	30512	37	33	5A69	± 1
	2290	2350	30513	60	60	4A30	
	2350	2381	30514	31	41	5A6	
	2381	2411	30515	30	41	5A6	
	2411	2461	30516	50	49	5A6	
	2461	2532	30517	71	50	4D5	
	2532	2570	30518	38	42	4C5	

DDH 87G-04 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: OCT 25/87 Logged By: CUR.

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	
		11411 5	C S 2			55 0000	714	Carbonaceous Laminations in 5A
		11512 0	C S 2			10 0000	710	Foliations
		11616 0	C S 2			08 0000	810	P_S banding + Micaceous foliations
		11817 5	C S 2			17 0000	710	
		11915	C S 2			35 1810	618	S_2 000/50? Micaceous Foliations
		12135	C S 2			15 0000	518	Salt banding in 4D
		12118	P S 2				310	Sulph banding in 4C
		12319	P S 2				618	Foliations in 4C
		12511	P S 2				311	" "
		12516	C S 2			10 0210	519	Foliations in 4C

PROJECT _____ DRILLHOLE NO. 876-04 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ 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.	
135		0															Triaxial
140		1		0													
142		2.5		0.7													
147		4.7		0.5													
152		5.5		0.4													
157		5.8		0.4													
162		6.0		0.8													
165		3.1		0													
170		6.2		0.8													
172		2.2		0													
177		5.7		3.2													
182		3.2		0													
187		5.4		1.8													
190		2.0		0.5													
194		4.0		0.4													
199		4.2		1.4													
202		2.2		0													
203		0.9		0													
205		0.9		0													
205.5		0.5		0													
206		0.3		0													
212		5.5		2.3													
216		4.9		0.9													
221		5.5		4.3													
226		5.7		4.4													
232		5.3		3.5													
236		3.8		1.2													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 876-04 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° 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.	
240		5		0.4													
242.5		3.2		0.4													
247.5		5.8		0.4													
252		4.9		3.0													
257		4.7		1.6													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-05

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum deposit

Claim: _____

Terr.Plane Co-ords.: 6904835.50 N

592405.61 E

Grid Co-ords: 68W

Elevation: 1272.06

All symmetry determinations looking

Total Depth: ~~?~~ 450 feet (137.2 m)

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: Test ore near bedrock/overburden surface + provide metallurgical samples

Reason hole Terminated: drilled through ore into phyllite

Logged by: CVR / GAS

Date(s) Logged: Nov 3-5 / 1987

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented: No

Steel down Hole: 150' casing

Collar Cased and Capped: No

CORE Size	From	To
NW	0	152 ~~130~~
NQ	130	450

Assay Lab: MINE

Certificate No's: _____

Started: Oct 25/87 Completed: Oct 28/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-05 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.
	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 — 42
T	87G-05	1272.06	904835.5	592405.6	METRES	52

DEPTHS IN FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R	87G-05	0	180.0	0.0	AT COLLAR
R	87G-05	237.0	178.0	182.0	SPERRY SUN SINGLE SHOT
R	87G-05	337.0	178.0	189.0	
R	87G-05	437.0	179.0	057.0	
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
	2 — 8	10 — 56
		HIT ADIT AT 374-387 FEET

DDH G87-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 3 Nov 87 Logged By: CR/GJ

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	0 0	130 0		1	#	casing
L	130 0	135 0		2	#	overburden A few rigrowned pieces of granite - no mud matrix recovered
L	135 0	152 0		3	#?	Only minor core recovery 135-139 3" and 142-147 3" no recovery at all 139-142, 147-152 135-139 is 4D34 obviously V. Plateau sulphides - hard dull grey poorly banded mod pyritic stzite - orange-yellow oxide coating on S_2 surfaces - not clear if boulder or bedrock being cored - 10% Pb+Zn 147-152 - 5E0 ? medium grey finely to moderately crystalline phyllitic calcite marble - not clear what unit
	152 0	186 3		4	SAP ±	9 (5B62) 90:10 Black, soft homogenous, PS_2 foliated, but with local bands & lithons, carbonaceous phyllite, non calc., S_2 is black, local py porphs and smears on S_2 - upper and lower contact lost in rubble. 175.8 - 182 is soft lighter grey phyllite - homogenous PS_2 foliated musc. phyllite - S_2 is shiny silvery grey non calcareous V. Broken and rubbly throughout 152-156 1.3' recvd. 156-161 0' "

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						161 - 166 = 0.9' recvd.
						166 - 170 = 3' recvd.
						170 - 175 = 2.5' "
						175 - 179 = 3' recvd.
						179 - 182 = 1.5' "
						182 - 184.5 = 3.1' "
						184.5 - EOT = 1' "
						170 - 175 mainly trash - incipient gouge.
						No obvious faults anywhere in this unit - appears to be just bad rock.
						Last 4-5" shows development of gte py bands → 4A ribbon banded texture.
L	1863	1986		5	4E4	porous (SD4) tc
						Hard, homogeneous, non calcareous, light brownish yellow massive pyritic sulphides. Locally fractures are vuggy from leaching of carbonate veins?
						Large fragment (clast) of 5A with irregular margins with py moving into fractures. at 189.5' - frag is 10 inches across.
						At 186.5 - 187.2 is pale olive green and grey soft FS_2 foliated muse chlorite phyllite derived from meta basite local bright green marapasite? Fine grained py along fractures parallel to S_2 - lower contact sharp against massive sulphides ! // to S_2

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						total S = for unit 50% +
						Pb+Zn = 14-15% Cam 10% gregg.
						Core moderately broken to 191-5 and only slightly
						broken to EOI - local S = in 5' bxa texture assoc
						with leached veinlets
						no major faults
L	1986	2070		6	SD4	(4E4 porous) (4D4) 45:45:10
						Interbanded unit of massive pyritic sulphides and
						altered metabasite
						metabasite is soft emerald green ps_2 foliated non
						carbonate bearing chl musc phyllite with
						slippery S_2 surfaces - moderate fine disseminated
						pyrite
						largest is 200 - 202 also 5" at 203 and
						2062 - 207
						Massive sulphides are dk brown, porous, vuggy, mod soft to
						locally hard with poor development of spatial banding
						non calcareous. Numerous stamp fractures with vugs
						from leached CO_3? 5" Bands up to 4-5" thick
						202 - 202.7 is 4D4 - light grey hard. microbrecciated
						Mass sulphides average ~14% Pb+Zn interval as a
						whole perhaps 10% Pb+Zn
						TOI - 199.6 = rubble. TOI - 202 probably 1' of core
						199-6 - 205 = mod broken lost. otherwise recovy
						205 - EOI = v. broken to rubbly is ok.
						No major faults

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	2070	2374		7	4E4	porous
						Dark brown to locally tan brown, porous, hard poorly banded fine grained non calcareous pyritic massive sulphide.
						light yellow brown (honey colored) sphalerite defines thin bands parallel S2(?) 3-4 cm across alternating with pyrite bands. Minor barite(?) gangue at 233 for .5'
						At 221.5-222.5 have light grey very galena rich massive sulphide
						Top of interval is sulphide in sulphide bxa against overlying 504 top 3' of unit is low grade massive pyrite rest of unit is better grade.
						90% total sulphides 12% Pb+Zn
						Very broken to rubbly in large part, v.fine sandy pyrite at 223.6-224.2
						207-212 recvd
						212-214 1' recvd.
						214-227 is ok
						227-232 1.5 feet core - probably lost Py sand.
						232-237 is ok.
L	2374	2496		8	4E4	(4F4) 60:40
						4E4 is brassy yellow locally porous hard to locally soft weakly sphalerite banded non calc. massive pyritic sulphide Banding // S_2(?) and is defined by reddish sphalerite rich zones up to 2 cm thick

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						4F4 is in middle of unit & unit is th. reddish brown sphalerite banded rock with fine pyrite porphs micro buckshot texture. Sphal bands 5-6 cm thick separated by thinner pyrite bands. Local minor elongate angular wk clasts in 4F4 Core moderately broken TOI to 241, 241-EOI is only weakly broken to intact w/ 1' of core loss at TOI rest is 0%. tot S = 95% 15-20% Pb+Zn. 4F is v high 25-30% Pb+Zn lower contact sharp.
		259.5		9	4A0	(4C3+9) (4A43) 60:30:10 Dominantly, hard ribbon banded. moderately carbonaceous pyritic quartzite with pyrite disseminated in light quartz rich bands up to 3-4 cm thick. S_2 folds are black and dirty fingers local CSx with lithon development in banding tot S = 30% v. low Pb Zn 4C is thickly pyrite banded hard locally porous bronze yellow and grey quartzite, no pb zn, minor cpy in fractures with quartz. total S = 50% 4A4 is at 251.5 - 252.4 and is thickly py sphal banded. moderately carbonaceous hard qtzite with 40% total Py subequal Sphal + gal. - must grade this unit in this short interval which averages w 10-12%
						overall grade 3-4% Pb+Zn.

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core is intact except for minor rubble at 251.5 for 3 inches
						gradational lower contact
L	2595	2646		10	4A4	
						hard light to grey ribbon banded locally CS_2 foliated moderately carbonaceous quartzite - total S = 25% mostly sphal subequal to greater than py
						bottom 1.5' is dark grey to black intact breccia of 4A clasts in dark carbonaceous matrix - clasts up to 3cm but average 3-4mm across - Bxa probably related to fault truncating unit
						lower contact sharp against gouge at 45° to CA (fault 4" cyl hole at 30°)
						7-8% Pb+Zn.
						core is moderately broken, Recovery ok Probably significant fault.
L	2646	2725		11	5B6	gouge.
						whitish grey very soft to locally muddy gouge from 5B6
						recovery ok core is rubbish
L	2725	2991		12	5B6Z	(4L6 [5B486] [SD4]) minor
						Soft light grey to locally dark grey, CS_2 foliated, non calcareous mod carbonaceous musc phyllite - S_2 is light silvery grey and darker in more carbonac intervals - Locally white-grey pegmatitic quartz veins up to 5" across dominantly // S_2 and
						quartz in clasts in phyllite related to broken folded veins
						Local sphal and galena assoc with quartz veins (sulphides are infilling fractures)

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 3 Nov 87 Logged By: CR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						at 277' and 278.5 there are 6" intervals of light grey to slightly greenish grey soft musc chl phyllite non calc CS_2 foliated. S_2 surfaces are light silvery grey with green patches.
						from 265 - 276 lost 2' of core.
						276 - 290 recovery is ok
						290 - 295 2.8' core
						295 - EOI 3.2' core
L	2,99 1	3,27 0		13	5B6	GOUGE
						Soft to locally muddy light grey musc phyllite gouge non calcareous
						Core recovery
						300 - 305 1' lost
						305 - 310 3.5' lost
						310 - 314 lost 2'
						314 - 318 lost 1'
						core is extremely broken to gouge - probably significant fault but IND
L	3,27 0	3,38 0		14	4L0	(5C4@ Fuch) 50:50
						Top ½ is 4L0 is soft white to creme with slight green tinge musc phyllite gouge and incipient gouge throught upper contact sharp into carb phyllite but IND
						Bottom ½ is tan olive green locally bright green soft highly altered musc chl phyllite - some beige anterite - mod broken in upper part last 2' is rubble → incip gouge
						1' core lost 331 - 333 otherwise recov ok.

DDH 87G-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	3380	3441		15	4E4	(4A49) 90:10
						Dominantly yellow brown mod hard locally porous
						fine grained poorly banded massive pyritic
						sulphides, non magnetic non calcareous
						Top 1' is light grey hard non calc pcs foliated mod carbonac.
						ribbon banded qtzite - S_2 folia are dark grey - abundant
						red sphal laminations // S_2 - local splashy cpy with qtzite
						in fractures - locally porous.
						Total S= for unit ~90% 8-9% Pb+Zn
						Iridescent color play on some oxidized joint surfaces.
						Core is v broken to locally rubbly at 339.5' for 6"
						and 343.1 to EOT
L	3441	3480		16	5D4	Fuch (4E4)
						as last unit but proportions reversed.
						5D4 at top and bottom with 4E4 @ 445.5'-447
						Core v. broken to rubbly recovery ok
L	3480	3593		17	4E4	(4G4) 85:15
						Dominantly yellow brown, moderately hard, poorly banded pyritic
						massive sulphide non calcareous - py in thick bands up
						to 8" thick - locally porous
						252 - 253.7 is 4E4, light grey brown poorly banded non
						calc pyrite-barite massive - py in poorly defined bands
						with dissem galena sphal up to 1" thick - gradational
						contacts into 4E4 - locally porous

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						pb+Zn ~ 12% for interval
						minor dolomite or ankerite clasts in 4E4
						Core is mod broken with rubbly sections in top foot and
						349.5 to 352.3 (1' of core lost here)
						2' core loss over entire interval
		3630		18	4L023	
						soft off white to v. light grey phyllite local green chlorite -
						S_2 surfaces feel v soapy - local pyrite or marcasite
						aggregates assoc with fractures - non calc.
						Core is v. broken to rubbly recovery ok
						lower contact is irregular and parallel to deformed S_2
	3630	3718		19	4E4	(10Q9) 90:10
						Hard. locally vuggy yellowish brown. well fractured and disrupted
						pyritic massive sulphides (S= in S= bxa which is
						poorly sorted lighter yellow pyrite rich frags from 1m to 2cm across with
						angular shapes in darker py + sphal v fine grained matrix)
						10Q Starts at 363.8 continues to 364.5 is brecciated - lt
						grey quartz + minor sulphide fragments in pyritic matrix.
						Clasts are coarse pegmatic quartz with lesser yellowish massive
						py some 4D4 clasts with reddish sphal laminations - minor
						ankerite in the qtz vein frags.
						8-10% Pb+Zn 95% sulphides
						Core intact recovery good

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	3718	3740		20	4ABP	
						light grey to locally black med pyritic ribbon banded moderately carbonaceous qtzite. S_2 folia are dark grey - Ribbon banding on 2mm to 2cm scale - locally vuggy non calcareous core mod broken recovery ok
						tot S= 35% py >> sphal plten 3-5% most grade in top 5"
L	3740	3870		21	#	Gem Adit
L	3870	3937		22	4E4±	1 (4A43) 60:40
						hard noncalc dk grey to black sphal py bearing ribbon banded mod carbonaceous qvartzite - S_2 surface black.
						Core is rubbly due to steep fracture.
						30% tot S= 9-10% Pb+Zn
						4E4 is below 359' and is tan brown - yellow fairly homogenous very high grade massive pyritic sulphide.
						±1 for qvartz - lasts locally developed near 392.
						abundant red sphalerite in poorly defined bands 1cm + thick
						95% tot S= 14% Combined
						Core is mod broken to rubbly near 388 and 391
						no faults

DDH 87G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 4Nov87 Logged By: CR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	3937	4066		23	4AP	
						Hard ribbon banded mod pyritic gtzite - S_2 folia are shiny black, non calcareous, 15-20% total, Py >> ZnS
						Locally CS_2 foliated 2% Pb+Zn
						Last 8" is gradually bleached to off white against SC4*
						Intact TOI - 394.8
						rubble 394.8 - 395.6
						intact 398.5 - 399.5
						mod broken 399.5 - 403
						v. broken 403 - 404
						mod broken 404 - 405
						} recovery ok
	4066	4230		24	4L24	(SC4*)
						Soft to locally modely fine competent light grey musc phyllite S_2 folia are powdery white locally py and ZnS in quartz bands in more competent intervals - local CS_2 development.
						Interbanded at TOI to 407.8 and 415.5 - 416.3
						is light olive to emerald green/tan soft porous rock with bright green folia (stripes on cut surface)
						Core is strongly broken with many sections of incipient gouge - Recovery ok
						No obvious major faults lower contact may be a fault to explain abundant gouge.

DDH 87G-05

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: CR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	423 0	443 3		25	SB6	
						Soft - light to med grey non calc musc chl phyllite - mainly
						pS_2 foliated but some lithon struct with lithons defined by lighter musc lamine. S_2 surf is light
						to med steely grey
						Local BXa Textures at 434.6-235.5 probably due to local small
						Fault. Also at 441.5 for 3" core is gouge, probably due
						to 10Q vein above and below.
						Core is very broken with local rubble to 435 and moderately
						broken below that with the noted rubble included
L	443 3	450 0		26	SC4*	(4L42)(10Q) 50:40:10
						dominant unit is bright green and white striped mod soft
						pS_2 foliated musc chl altered metabasite - altd metab
						contains small dissem black specks that appear to be assoc
						with pyrite - look like chalcocite or chromite??? 445-447
						4L is soft mottled light (musc) and dark (qtz $S^=$) grey highly
						fractured and disrupted to incipiently gouged musc phyllite
						non calc. Contains quartz-$S^=$ bands // to micaceous folia
						Identical to 4L in Unit 24
						10Q is white pegmatitic bull qtz vein with py and
						ankerite? on edge of vein
						TOI to main metab is mod broken
						metab is intact
						mod to strongly broken below that
						Recovery is good
						450 = E.O.H.

DDH 87G-05 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date NOV 5/87 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
	1863	1910 3					
		1914 8					
		1918 6					
		2030					
		2017 0					
		2112 0					
		2116 7					
		2121 4					
		2127 0					
		2132 0					
		2137 4					
		2142 6					
		2146 8				4F4	
		2149 6					
		2152 9					
		2156 7					
		2159 5					
		2164 6					
		3138 0					
		3141 1					
		3148 0					
		3154 7					
		3159 3					
		3163 0					
		3167 0					
		3171 8					
		3174 0					
		ADIT					
		3187 0					
		3910 0					
		3913 7					
		3917 8					
		4020 0					
		4066					
		4210 6					SC/4L GOUGE ZONE

DDH 87G-05 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date Nov 5/87 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
	14145 2	14147 4				15CH	ALTERED
	14147 4	14510 0				10Q	(5C4) 80:20
		EOH					

DDH 87G-05 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date NOV 5/87 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
	115163	119103	308673	40	49	14E4	
	119103	119148	308684	45	50	14E4	
	119148	119186	308695	38	50	14E4	
	119186	120130	308704	44	46	15D4	(4E4 Porous) (4D4)
	120130	120170	308711	40	48	15D4	(4E4 Porous) (4D4)
	120170	121120	308722	50	46	14E4	Porous
	121120	121167	308733	47	63	14E4	"
	121167	122114	308744	47	48	14E4	"
	122114	122170	308755	56	54	4E4	"
	122170	123120	308766	50	19	4E4	"
	123120	123174	308777	54	53	4E4	"
	123174	124126	308788	52	48	14E4	
	124126	124168	308799	42	40	14F4	
	124168	124196	308800	28	49	14E4	
	124196	125129	308811	33	40	14A0	
	125129	125167	308822	38	40	14A0	
	125167	125195	308833	28	45	14A0	
	125195	126146	308844	51	55	14A4	
		133180	308855		56	14L0	
	133180	134141	308866	61	56	14E4	
	134141	134180	308877	39	41	15D4	
	134180	135147	308886	67	43	14E4	(4G4)
	135147	135193	308899	46	37	14E4	(4G4)
	135193	136230	308900	37	28	14L0123	
	136230	136170	308911	40	50	14E4	
	136170	137118	308922	48	49	14E4	
	137118	137140	308933	42	24	14A130	
		ADIT					
		1308944					
	137170	139100	308944	30	41	14E4	
	139100	139137	308955	37	46	14E4	
	139137	139178	308966	41	49	14A0	
	139178	140200	308977	42	52	14A0	
	140200	140166	308988	46	59	14A0	
	140166	141210	308991	40	48		SC/4L GOUGE ZONE

DDH 87G-05 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date Nov 5/87 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
	14145 2	14147 4	30900	22	59	15 CM	ALTERED
	14147 4	14510 6	30901	26	29	10 Q	(5C4) 80:20
		EOH					

C.R.I. 1987 E-5

DDH 87G-05 (2–8) CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date NOV 5/87 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
56.8		1563	1903	30867	40	49	4E4	✓
58.0		1903	1948	30868	45	50	4E4	
59.4		1948	1986	30869	38	50	4E4	
60.5		1986	2030	30870	44	46	5D4	(4E4 Porous) (4D4)
61.9		2030	2070	30871	40	48	5D4	(4E4 Porous) (4D4)
63.1		2070	2120	30872	50	46	4E4	Porous
64.6		2120	2167	30873	47	63	4E4	"
66.1		2167	2214	30874	47	48	4E4	"
67.5		2214	2270	30875	56	54	4E4	"
69.2		2270	2320	30876	50	19	4E4	"
70.7		2320	2374	30877	54	55	4E4	"
72.4		2374	2426	30878	52	48	4E4	✓ ~~8~~.6 / 1.5
73.9		2426	2468	30879	42	40	4F4	✓ 1.3 / 1.2
75.2		2468	2496	30880	28	49	4E4	✓ .9 / 1.5
76.1		2496	2529	30881	33	40	4A0	✓ 1.0 / 1.2
77.1		2529	2567	30882	38	48	4A0	✓ 1.2 / 1.5
78.2		2567	2595	30883	28	43	4A0	✓ .9 / 1.3
79.1		2595	2646	30884	51	55	4A4	✓ 1.6 / 1.7
99.7		3270	3380	30885	✓		4L0	✓ ~~F0~~
103		3380	3441	30886	61	56	4E4	✓ 1.9 / 1.7
104.9		3441	3480	30887	39	41	5D4	✓ 1.2 / 1.2
106.1		3480	3547	30888	67	43	4E4	(4G4) 2.0 / 1.3
108.1		3547	3593	30889	46	37	4E4	(4G4) 1.4 / 1.1
109.5		3593	3630	30890	37	28	4L023	✓ 1.1 / .9
110.6		3630	3670	30891	40	50	4E4	✓ 1.2 / 1.5
111.9		3670	3718	30892	48	49	4E4	✓ 1.5 / 1.5
113.3		3718	3740	30893	22	24	4A30	✓ .7 / .7
			ADIT					
			~~3847~~					~~.9 / 1.2~~
118		3870	3900	30894	30	41	4E4	✓ ~~1.1 / 1.4~~ .9 / 1.2
118.9		3900	3937	30895	37	46	4E4	✓ ~~1.1 / 1.4~~ 1.1 / 1.4
120		3937	3978	30896	41	49	4A0	✓ 1.2 / 1.5
121.2		3978	4020	30897	42	52	4A0	✓ 1.3 / 1.6
122.5		4020	4066	30898	46	59	4A0	✓ 1.4 / 1.8
123.9		4066	4206	30899	40	48		~~5C~~ / 4L GOUGE ZONE 1.2 / 1.5

DDH 87G-05 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date Nov 5/87 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
135.	7	14145 2	14147 4	310910 0	12 2	15 9	1 1 5 CM	ALTERED .7/1.8
136.	5	14147 4	14510 0	310911	12 6	12 9	1 1 0 G	(5C4) 80:20 .8/.9
			EOH					

DDH 87G-05 (2–8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: NOV 5 87 Logged By: CVR

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	
		1665	PS2						48		Carbonaceous folia in 5A
		1985	PS1?				02				Sph banding in 4E4
		2190	PS2						50		" " " "
		2380	PS2						58		" " " "
		2530	PS2						74		Carb. folia in 4A4
		2770	CS2				18	270	70		Micaceous foliations in 5B6
		2950	PS2						42		" " " "
		3183	PS2						49		Micaceous foliations in gouge
		3385	PS2						63		Sph banding in 4A
		3560	PS2						44		Py Banding in 4E4 - Poorly Revelored.
		3723	PS2						35		Carb folia in 4A
		3880	PS2						58		Py banding in 4G4
		3995	CS2				27	000	64		Carb folia in 4A0
		4055	PS2						50		" " " "
		4260	PS2						75		Micaceous Folia in 5B6
		446	PS2						66		Green Laminations in 5C4

PROJECT GRUM DRILLHOLE NO. 87G-05 COORDINATES: N _____ DATE NOV 5 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER CVR INCLINATION -90° 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.	
372		5.1		4.4													
374		1.9		1.4													
387																	ADIT
391.5		5.5		0.8													
396.5		5.2		2.7													
402		6.0		0.9													
405.5		4.3		0.4													
410.5		5.3		0													
415.5		1.7		0													
420.5		2.8		0													
425		2.2		0													
428		2.3		0													
432		2.7		0													
435		2.2		0													
439		4.4		0.9													
443.5		3.9		0.8													
448		5.2		1.9													
450		2.0		0.8													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM | DRILLHOLE NO. B7G-05 | COORDINATES: N | DATE NOV 5 1987

LOCATION | HOLE SIZE NQ | E | PAGE __ of __

LOGGER CVR | INCLINATION -90° | 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.	
252	5	5.2		3.4													
257		5.2		3.5													
260.5		4.3		1.8													
265.5		5.5		1.6													
269.5		3.1		0													
272		1.5		0													
276		2.7		0													
281		4.8		0.5													
286		4.6		2.6													
290		3.2		0.4													
295		2.5		0													
300		3.6		0													
305		3.7		0													
310		2.0		0													
314		1.8		0													
318		2.7		0													
322		1.7		0													
327		1.9		0													
331		2.9		0													
333		1.0		0													
338		5.2		1.3													
342		2.6		0.9													
347		4.1		1.1													
352		2.7		0													
357		4.2		2.3													
362		2.8		0.5													
367		5.4		3.9													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. B76-05 COORDINATES: N _____ DATE NOV 5 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER CVR INCLINATION -90° 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.	
130																	TRILOWED NO RECOVERY
135		.01		0													
139		.04		.04													
142		0		0													
147		.03		0													
152		0		0													
156		1.0		0													
161		0		0													
166		.06		0													
170		3.0		0													
175		2.2		0													
179		2.7		0													
182		1.2		0													
184.5		2.8		0													
186.5		0.8		0													
191.5		5.2		2.1													
196.5		5.5		4.3													
202		5.4		3.2													
207		5.0		0													
212		5.0		3.0													
214		1.4		0													
218		5.2		0													
221.5		3.1		1.0													
227		5.0		0													
232		1.3		0.4													
237		5.0		0.8													
242		3.9		0.6													
247		5.8		2.2													

Fig. 1. Typical rock mechanics core log.

DDH 87G-06 (2 / 8) **CURRAGH RESOURCES INC.**

Structural Log

Page ____ of ____

Date: NOV 5 87 Logged By: CVR.

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	
		11 16 16	P 15 12				4 8	Carbonaceous Folia in SA
		11 19 18	P 15 12			0 12		Sph banding in 4B4
		12 1 19	P 15 12				5 10	" " " "
		12 13 18	P 15 12				5 18	" " " "
		12 15 13	P 15 12				7 17	Carb. folia in 4A4
		12 17 17	C 15 12			1 18 2 17 10	7 10	Micaceous Foliations in 5B6
		12 19 15	P 15 12				4 12	" " " "
		13 11 18	P 15 12				4 19	Micaceous foliations in gouge
		13 13 18	P 15 12				6 13	Sph banding in 4A
		13 15 16	P 15 12				4 14	P_2 Banding in 4B4 - Poorly developed
		13 17 12	P 15 12				3 5	Carb folia in 4A
		13 18 18	P 15 12				5 18	P_2 banding in 4B4
		13 19 19	C 15 12			2 19 0 10 10	6 14	Carb folia in 4A0
		14 10 15	P 15 12				5 10	" " " "
		14 12 16	P 15 12				7 13	Micaceous folia in 5B6
		14 14 16	P 15 12				6 6	Green laminations in 5C4

DDH 87G-05 CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date NOV 5/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	38 40	42
	186	190					
		194					
		198					
		203					
		207					
		212					
		216					
		221					
		227					
		232					
		237					
		242					
		246				4F4	
		249					
		252					
		256					
		259					
		264					
		338					
		344					
		348					
		354					
		359					
		363					
		367					
		371					
		374					
		ADIT					
		387					
		390					
		393					
		397					
		402					
		406					
		420					5L/4L COUGE ZONE

DDH 876-05 CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date NOV 5/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	18 20	22 26	28 30	32 34	36 40	42
	1445	1447				5C4	ALTERED
	1447	1450				100	(5C4) 50:20
		EOH					

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-06

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum Deposit

Claim: _____

Terr.Plane Co-ords.: 6 904 918.89 N

592 398.11 E

Grid Co-ords: 70 W / 4.5

Elevation: 1287.16

All symmetry determinations looking

Total Depth: 352 feet (

_____ with _____ dipping

Inclination: -90° (vertical)

_____ with dip azimuth _____.

Purpose: Reserve definition and metallurgical sampling

Reason hole Terminated: Entered area of underground drilling

Logged by: CVR

Date(s) Logged: Nov 9-12 / 1987

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NW	0	115
NQ	115	352

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine

Certificate No's: 11000 Series

Started: Oct 28/87 Completed: Nov 1/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-06 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 42	
T	87G06	12870.16	9049189.9	592398.1	METRES	52	

DEPTHS THIS SHEET IN FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R	87G-06	100	180 1.0	010.0	AT COLLAR
R	87G-06	3319	177 1.5	136 1.0	SPERRY SUN SURVEY SHOT
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
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R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 — 8	10 — 56
		LOST WATER AT 2071'

DDH 87G-06

CURRAGH RESOURCES INC.

Lithologic Log

Date: NOV 9/87 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0	115 5		1	#	TRICONED NO RECOVERY - ASSUMED TO BE OVERBURDEN
	117 5 5	134 0		2	5 B 10	±8±2 Moderately Weathered. Light grey, locally grey-green, soft, calcareous, PS_2 foliated, muse phyllite. S_2 folia are a light silvery grey, occasionally a dull very light green in more chloritic intervals. Calcite in thin siltstone laminations + steep fractures. Local salmon yellow weathering on broken + cut surfaces. At 132' → 133' local development of paperthin carbonaceous folia. S_2 surface in this interval is a shiny dark grey-black. Core is v broken to locally rubbly at 116 → 116.5, 129.5 → 130' + 131' - 131.4'. No major faulting seen. Core recovery is good.
	134 0	139 0		3	5 D 10	±3 minor (10 Q) 90:5 Soft, pale light green, locally slightly calcareous, locally CS2 foliated, chlorite, muse, phyllite. S_2 surface is pale light green. Calcite in local thin laminations and occasionally define microlithons. Broken + cut surfaces locally weathered to a salmon orange-yellow, especially on fracture planes. Core is extremely broken + locally rubbly largely due to steep weathered fractures. Recovery is O.K. EOI is thin ½" gouge zone consisting of phyllite mud matrix + small fractured phyllite + qtz frags. Gouge // to S_2 + dips 50° to core axis. Likely not a major fault.

DDH 87G-06 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Nov 9/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1 1 3 1 9 0	1 1 6 8 8		1 4	S B 2 6	
						Soft, CS_2 foliated, moderately carbonaceous, non calcareous, muse phyllite. Dry core is light grey & S_2 folia are a shiny light silvery grey. Microlithons defined by qtz rich, thin, laminations. S_2 folia appears to become darker moving down the interval due to increasing carbon on the S_2 folia. Unit is very fissile.
						Unit extremely broken to rubbly TOI → 145. Mud + rubble gouge from 142' → 145' Gouge contacts lost in rubble. 3 feet of core recovered from TOI → 145 / 145 → 151 Core extremely broken 4' of core recovered, no gouge seen / 151 → 152 very rubbly powdery muse gouge at 151.7 → 152' / 152 FOI core is moderately broken to locally very broken. Mud + qtz/phyllite fragmented gouge zone 4" thick starting at 152.8'. Gouge zone // to S_2 dipping at 48° to core axis. Does <u>not</u> appear to be a major fault. Core recovery is O.K in this interval.
	1 1 6 8 8	1 2 1 0 6 3		1 5	S A 6 1	9 → 4A0 (50#) Trace.
						Dark grey to black, moderately hard to locally moderately soft, CS_2 foliated non calcareous, moderately siliceous carbonaceous phyllite. This unit is transitional to a ribbon banded carbonaceous qtzite which is locally developed with qtz ↑ and the appearance of red sph + pyrite banding. S_2 surface colour is variable ranging from a dark carbonaceous black in better developed ribbon banded intervals to a dark steely grey in more phyllitic intervals. At 198.2 → 199.9 there is a soft, altered, pale green chlorite musc phyllite with contact parallel to core axis. This unit extends for ± 1½' until contacts lost in rubble.

DDH 87G-06
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: NOV 10/87 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Altered phyllite also has finely laminated carbonate in matrix (likely dolomite) and finely dess^{n} py.
						at TOI → 172 is fragmented SA gouge, 2' of core is lost
						during this interval. Gouge contacts lost in rubble. / 172 → 190 core is
						very broken to locally rubbly at 172-173 & 181.7 → 182.3. 16.5
						feet core recovered. / 190 → 197 core is moderately broken recovery is O.K. /
						197 → EOI core is extremely broken & locally rubbly. At 198 → 199.1
						a dark grey phyllite mud & fragment gouge. Individual fragments
						up to 1cm ϕ. Upper gouge contact dipping 31° // to the
						dominant foliation. Lower contact has similar orientation. No
						other gouge zones seen in this interval. Recovery is good & core
						has been spread considerably in core box.
						Est % $S^{=}$ 8 Est Pb+Zn 1-3%
						∓1 minor
	12 0 16 3	12 1 14 0		16	14 E 14	^(4A34) (5C*9) 60:10:30
						Dominate unit is a hard alternating brown & brassy
						yellow, non calcareous, poorly banded massive py $S^{=}$. Unit contains
						thick brown Sph bands w/ dess^{n} py and lesser qtz in
						thin dark grey laminations with carbon & small clasts up to 2mmϕ. Thin
						carbonaceous folia are seen sporadically developed in the
						sulphides indicating a sulphide "flooded" 4A. Unit is locally
						slightly porous due to weathering of calcite? veins & clasts.
						At 209 → 212.5 a soft bright green & white striped, anhedritic? dol?
						highly altered metabasite. Upper & lower contacts very steep ≒ 6° to
						core axis, contacts // to dominate foliation. Contains thin steep 3mm
						bands of py & gal. Top contact against white pegmatitic qtz.

DDH 87G-06

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 10/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and weathered yellow tan anhedrite? vein. Thickness of vein ½ 2cm.
						On the selvages of the 5C unit and at 207.5' there are thick
						bands of moderately hard, moderately pyritic ribbon banded, moderately
						carbonaceous qtzite. Locally, especially near 5C, carbonaceous foliations
						become "washed" out and the 4A approaches a 4C. Bands average 3"
						thick. Core recovery is good - No faults.
						Est % S= 20% Est Pb+Zn 6%
	121 14 0	123 17		17	14A4	
						Hard, noncalcareous, moderately carbonaceous, ribbon banded qtzite.
						Unit is locally CS$_2$ foliated. Qtz/sulphide bands are of variable
						thickness ranging from <1mm to 1½ cm across. Also contain varying
						amounts of reddish-brown sph + dess$^-$ qtz. S$_2$ folia are a
						dull dark grey → black.
						Est % S= 10% Est Pb+Zn 8% Pb slightly > Sph
						At 227.5 → 228.5 local precipitated texture of disrupted qtz
						+ qtz sulphide bands. Light grey qtz clasts with finely dess$^-$
						Sulphides are in a finer grained dark grey to black slightly
						micaceous + carbonaceous matrix. Clasts are up to 1.5 cm ϕ
						TOI → 216.8 core slightly broken to intact / 216.8 → 221.6 core is
						very broken / 221.6 → 229.5 core is intact / 229.5 → EOI core
						very broken to rubbly. Core recovery is good for entire unit. No
						faults. Bxa in fracture system 227.5-228.5 @ 25/170
	123 17	123 55		18	14D0	(5C*9) 60:40
						Dominate unit is texturally similar to last unit described
						except for a lack of carbonaceous folia. It is a hard, grey,

DDH 87-06

CURRAGH RESOURCES INC.

Lithologic Log

Date: NOV 10/87 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						sulphide banded, qtzite. Appears to have been altered due to proximity to metabasite. Unit is locally fractured and vuggy due to weathering of carbonates in fractures. The unit is non calcareous. Locally, thin laminations of soft, light green muscovite/chlorite developed between sulphide bands. At 232.1 → 233.6 a pale green, soft chlorite + chrome chlorite? highly altered metabasite. Contains thin (minor) sulphide laminations and thin yellow-tan ankerite? laminations. Contacts of SC are sharp into qtzites and // to S_2.
						Est % $S^=$ 5-10% Est Pb+Zn 3-5% (for entire unit)
						Core is very broken, Recovery is good, no obvious faults
	12 13 15 S	12 14 16 8		19	14 A 14	(4DO) (SC*9) 75:20:5
						Dominantly hard non calc dk grey ribbon banded carbonaceous qtzite - S_2 folia dull black - CS_2 folded - lithons defined by carbonac folia and qtz laminations Qtz $S^=$ bands range up to 2 cm mostly < ½ cm
						Abundant red sphalerite in thin laminations
						tot $S^=$ 15% - 20% py > sphal 7-8% Pb+Zn
						At 240 thin (5cm) band of soft pale green altered chl phyllite from metabasite - lamin of pale tan ankerite? - same at 240.6 - 241.5 but assoc with qtz veining Also a small band of same at 245 (6-7cm)
						Selvages of metabasite are texturally like 4A but non carbonac. this is the 4D - base metal in qtz $S^=$ bands - S_2 folia are light grey - cut surface is light grey - same $S^=$'s and grade as 4A

DDH 87G-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core is very broken with rubbly intervals at 237-237.8
						and 241-242.3 1' core lost 242-EOT otherwise
						recovery ok
						no major faults
	24,68	25,10		10	5,B,G,8	minor
						moderately soft non calc pS_2 Foliated greenish grey musc chl
						phyllite S_2 foliation light shiny grey with green patches.
						Traces of dissem py in irregular patches assoc with
						Fractures
						mod broken last 8" strongly broken and incip gouge Recov ok
	25,10	25,17		11	5,G,4,*	(400±s) 70 : 30
						Soft tannish pale green altered metabasite - chl musc ank
						phyllite - S_2 Folia are light tannish green with local specks of
						green fuchsite - contains abundant ankerite laminations
						and bands up to 15 cm thick fizzes slowly in 20%
						HCl powdered
						Interlaminated are bands of hard ~~dark~~ medium grey to brownish
						locally moderately carbonaceous sulphide banded steatite - S_2 Folia
						dull medium grey - reddish brown sphalerite in thin laminations
						and massive Sphal band 4-5 cm at 256 - located
						in top 1.5' and bottom 1.5' with 3" in middle of unit
						Core is very broken to rubbly TOI - 254.3
						254.3 - EOT very broken. - recovery ok throughout unit
						qtzite tot S = ~10% Pb + Zn = 8% steatite only

DDH 87G-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	257.0	273.7		12	SCS	4minor (4DO) 95:5
						Similar to above but with local white and pale olive
						green striped carbonate and chlorite - carbonate here probably
						dolomite S_2 folia are light olive green with darker green patches
						2 short bands of 4DO at 260 for 6" and 261.8 for 4"
						Core is moderately broken - rubble 270' - 271'
						No faults
L	273.7	284.2		13	SBGt	S
						Soft, non calc, lt grey to locally pale green ish grey musc chl phyllite
						S_2 surf is light silvery grey with local green patches
						PS_2 foliated foliaform pegmatitic qtz vein 3-6" thick at
						275' - at 282.2 is 4" of powdered phyllite - probably
						drill cuttings
						core is moderately broken - local rubble - no faults
L	284.2	302.0		14	SBGS	minor ± 9 minor ⇒ 4L64 (504@)
						Soft variable light green to pale grey, non calc - finely CS_2
						foliated musc chl phyllite - S_2 surface is variable with green and
						grey colour patches. Locally thin quartz S= bands - dominant
						S= pyrite and galena. Thin bands seem to be associated with
						greener (less grey) more chlorite dominant units - also minor post S_2 fracture fill qtz S= veinlets
						Interlayered with SB is pale olive green soft - anhedritic
						chl musc phyllite which has olive green S_2 folia
						Intermittent throughout entire interval are white foliaform
						bull qtz veins 1cm to several cm thick - minor galena in
						fractures in qtz veins

DDH 87G-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI -297 core mod broken to intact local incip gouge at 293.4 for 1"
						297 - EOI core very broken to locally rubbly 1" gouge at 298, 311.1 = 2" gouge. both 115_2
						No major Faults
						Recovery ok but for ½' lost near 310 and 310 to 315 2' lost
L	302 0	323 7		15	5B6±	2 (5C$)
						Soft light to dark grey PS_2 Foliated. muse phyllite S_2 surf
						Silvery light grey to dark grey in more carbonaceous intervals
						Non calc.
						318 - 318.5 = metabasite - green and grey/white striped chl dolomite phyllite
						Moderately broken, no gouge, recovery is good No faults
	323 7	339 4		16	5B6±	8 → (4L02) minor
						Grey to dull green soft non calc muse chl phyllite with
						light silvery grey (with greenish tinge locally) S_2 Folia
						Abundant pegmatitic quartz in foliaform veins up to
						4-5" thick - minor cross cutting qtz veins as well
						minor 4L02 at top of unit
						Top to 325' is 4L and v. broken with 1" lost
						325 - 334.5 core intact with minor broken core at
						330.5 - 331.2
						334.5 - 336.5' core is very broken locally rubbly mainly
						top of runs very good.
						336.5 - EOI intact

DDH 87G-06 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	339 4	351 1		17	SBGS	±gouge
						gouge rich interval with soft pale greyish green (chl musc. Phyllite), locally fault brecciated non calcareous S_2 foliae are pale greenish grey in competent intervals
						TOI -341 is fragmented with muddy gouge and chl phyllite clasts, Fault at top is at 35° to CA
						341 - 344 intact
						344 - 344.7 is gouge - pale green IND incip gouge
						344.7 - 346.5 intact
						346.5 - EOI is grey gouge with phyllite clasts - some quartz clasts IND
						Recovery is good - this interval is significant Fault
	351 1	352 0		18	4DO	
						light grey, hard quartzite with qtz/s= bands to 2" thick finely dissem py gal sphal - also light reddish brown sphal in thin laminations // S_2
						TOI at 29/180 from S_2 against above gouge.
						Tot S = 10 - 12 %
						Pb+Zn = 8-9 %
						352.0 = EOH!!!

DDH 87G-06 (2 8)

CURRAGH RESOURCES INC.

Page _____ of _____

Logged by _____

ASSAY LOG (SAMPLER'S COPY)

Date Nov 12/87 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
P	1850	1900				5A6/19	
P	1900	1950				5A6/19	
P	1950	2000				5A6/19	
P	2000	2063				5A6/19	
P	2063	2100				5C*9	(4E4)
P	2100	2140				4E4	(4A34)
P	2140	2170				4A4	
P	2170	2215				4A4	
P	2215	2265				4A4	
P	2265	2317				4A4	
P	2317	2355				4D0	(5C*9)
P	2355	2395				4A4	
	2395	2427				4D0	(4A4)
	2427	2468				4D0	

DDH 87G-016 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date Nov 13/87 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
P	1/1815 0	1/1910 0	3014516	50	160	5TA161/19	
P	1/1910 0	1/1915 0	3014517	50	176	5TA161/19	
P	1/1915 0	12010 0	3014518	50	175	5TA161/19	
P	12010 0	12016 3	3014519	163	150	5TA161/19	
P	12016 3	12110 0	3014160	137	155	5TC*191	(4E4)
P	12110 0	12114 0	3014161	140	143	41E141	(4A34)
P	12114 0	12117 0	3014162	130	142	41A141	
P	12117 0	12121 5	3014163	145	142	41A141	
P	12121 5	12216 5	3014164	50	146	41A141	
P	12216 5	12311 7	3014165	52	150	41A141	
P	12311 7	12315 5	3014166	62	150	41D01	(5C*9)
P	12315 5	12319 5	3014167	140	156	41A141	
	12319 5	12412 7	3014168	132	137	41D101	(4A4)
	12412 7	12416 8	3014169	141	127	41D101	

DDH 87G-06 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date Nov 12/87 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
56.4	P	1/18150	1/19100	31014516	1/5	4	5TA161/19	
57.9	P	1/19100	1/19150	31014517	1/5	4	5TA161/19	
59.4	P	1/19150	12010 0	31014518	1/6	4	5TA161/19	
60.0	P	12010 0	12016 3	31014519	1/9	4	5TA161/19	
62.9	P	12016 3	12111 0	31014610	1/1	4	5TC*191	(4E4)
64.0	P	12111 0	12114 0	31014611	1/2	4	4IE141 1	(4A34)
65.2	P	12114 0	12117 0	31014612	1/9	4	4IA141 1	
66.1	P	12117 0	12121 5	31014613	1/4	4	4IA141 1	
67.5	P	12121 5	12216 5	31014614	1/5	4	4IA141 1	
69.0	P	12216 5	12311 7	31014615	1/6	4	4IA141 1	
70.6	P	12311 7	12315 5	31014616	1/2	4	4ID01 1	(5C*9)
71.8	P	12315 5	12319 5	31014617	1/2	4	4IA141 1	
73.0		12319 5	12412 7	31014618	1/	1	4ID101 1	(4A4)
74.0		12412 7	12416 8	31014619	1/2	4	4ID101 1	
			1752					

DDH 87G-06 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Nov 12/87 Logged By: CVR/LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		1275	CS2	S		10 3210	54	crenulation cluge in phyllite
S		1520	CS2	S		9 3315	52	crenulation cluge in phyllite
S		1670	CS2	S		10 3212	52	crenulation cluge in phyllite
S		1890	CS2	I		20 2710	56	crenulation cluge in phyllite
S		2010	CS2	I		01 0910	44	crenulation cluge in phyllite
S		2240	CS2	I		34 2710	66	microlithons in ribbon-banding 4A
S		2380	CS2	I		22 2910	71	ribbon-banding in 4A
S		2545	PS2				59	fltn in 5C
S		2690	CS2	S		24 3510	58	fltn in 5C
S		2910	PS2				64	fltn in phyllite
S		3035	PS2				75	fltn in phyllite
S		3235	PS2				88	fltn in phyllite
S		3410	PS2				85	fltn in phyllite
S		3510	PS2				60	fltn in phyllite

PROJECT _____ DRILLHOLE NO. 87G-06 COORDINATES: N _____ DATE Nov 12 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

FEET

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.	
115		0		0													Tricone
118		2.5		0													
122		3.5		1.8													
126		4.2		0.4													
130		3.7		0.8													
134		3.6		0.4													
138		3.5		0.6													
140		2.5		0													
145		3.1		0													
147.5		1.1		0													
152		3.4		1.3													
157		5.4		1.4													
162		5.0		1.2													
167		4.8		1.7													
172		3.0		0													
177		4.4		0													
182		3.5		0.6													
185		3.2		0													
190		5.3		0.9													
195		5.7		2.0													
200		6.0		2.0													
203.5		3.0		0.4													
207.5		3.4		0													
212		5.8		1.1													
217		5.4		2.0													
221.5		3.5		0													
226.5		4.8		3.0													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 876-06 COORDINATES: N _____ DATE Nov 12 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° 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.	
232		4.4		1.6													
237		5.0		0													
242		5.0		1.2													
247		2.9		0.4													
252		4.8		0.7													
257		5.0		0.0													
261.5		4.0		0													
266		4.7		1.5													
271		5.2		1.8													
276		5.0		1.9													
279.5		1.6		0													
282		2.0		0.9													
287		5.1		1.7													
292		5.2		3.1													
297		5.0		0													
300		3.3		0													
305		5.0		0.4													
310		4.1		0.9													
315		3.0		0													
320		5.0		1.6													
322.5		2.3		0.4													
325		2.0		0													
330.5		5.0		3.0													
335		5.0		2.9													
340		4.8		2.6													
345		4.6		0													
349		3.6		0													
352		3.3		0													EOH

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: 11 Nov 1987

Hole Number: 87 G-07

Reference Fabric Orientation Diagram:

Project: 1987 Grum Drilling

Location: Grum Deposit

Claim: _____

Terr.Plane Co-ords.: 6 904 941.26 N

592 419.00 E

Grid Co-ords: 70W 5.5N

Elevation: 1290.77

All symmetry determinations looking

Total Depth: 360 feet (109.7 m)

NW with S_2 dipping

Inclination: -90 (vertical)

SW with dip azimuth ____.

Purpose: Reserve definition and metallurgical sampling

Reason hole Terminated: Entered Area of underground drilling

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: Arctic DD.

Hole Cemented: no

Steel down Hole: no

Assay Lab: Mine Lab

Certificate No's: 11000 series

CORE Size	From	To
NQ	152	360
~~NW~~	0	152

Collar Cased and Capped: No

Started: Nov 1/87 Completed: Nov 4/87

No bentonite mud - GSX550

DDH 87G07
2 8

CURRAGH RESOURCES INC.
Diamond Drill Core Log

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
I	2 8	10 16	17 24	25 32	34 39	41 42	
T	87G07	1290.77	9049411.3	592419.0	METRES	SZ	

THIS SHEET DEPTHS IN FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8	10 14	22 26	28 32	34 56
R	87G07	0	180.0	0.0	AT COLLAR
R	87G07	1820	176.5	134.0	
R	87G07	3470	175.7	127.0	
R			.	.	
R			.	.	
R			.	.

DDH 87G-07 (2–8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
L	0 0	1 5 2 0		1	#	Triconed – No recovery
L	1 5 2 0	1 5 7 0		2	#	TILL
						Redrilled pieces of 10AB Anvil Batholith. Largest piece 1" across.
						Recovered 5-6 pieces 0.5' core as redrilled pieces
L	1 5 7 0	1 6 8 5		3	4A0	±4±3 (4D0)(4E4) 60:30:10
						TOI-162 is 4A rubble consisting of black, hard, ribbon-banded, noncalcareous,
						carbonaceous qtzite S2 surfaces carbon black & strongly mark fingers. Unit
						is PS2-banded Bands < 1cm thick and consist of fine & coarse angular
						py, very minor red-brn sphal, & interstitial grey qtz. Grade 2-3% (Pb+Zn)
						Total S= probably 15% or so.
						162-167 is mixed unit of high grade 4A4 and bleached 4A= 4D4.
						162-163 - hard, light grey, S=-banded, noncalcareous qtzite. Carbon absent on
						S2 surfaces Abundant pale greenish tan musc patches on S2. Unit has
						similar ribbon-banded texture as lower 4A4 Sphal more abundant in these bands than
						the upper 4A0 Unit is CS2-banded. Total S= 20% Grade 6-7% (Pb+Zn)
						163-167 - more carbon on S2 surfaces. Intvl goes into 4A S= more abundant &
						ribbon banding thick - up to 3-4cm. Banding alternates between py-rich &
						sphal-rich bands. S2 surfaces are black Unit is hard & noncalcareous. Total
						S= 20-50%. Grade 12% (Pb+Zn)
						167-168.5 hard, brassy brown, homogeneous, massive pyritic S= Fracture surfaces
						have pale tannish green oxidation coating. Py content 80%; remainder is
						base metal + minor qtz. Qtz occurs as fine grey specks dissem in S= matrix. Grade
						15% (Pb+Zn) 4E represents very thick S= band which has completely "flooded
						or overprinted" 4A within it.

DDH 87G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						157-162 core is rubble / 1.8' recovered
						162-163.5 extremely brken to rubbly / 1.5' recovered - recovery OK
						163.5-EOI core intact to locally mod. brken on fractures recovery good
						No obvious faults
L	1168 5	1176 0		4	4A4	(5C4 $)(4L24 minor)(4C0±3) 30:50:10:10
						TOI-169.5 very soft & punky, fissile, silvery grey, altered, muscovite ± chlorite
						phyllite S2 surfaces shiny silvery grey w/ local pale green patches. Minor py + gal
						in thin qtz-rich laminae parallel S2. Contacts lost in rubble.
						169.5-171.2 hard, med. grey & brown, noncalcareous, carbonaceous qtzite. S1 is
						crenulated by S2 cluge. S= banding very diffuse mainly because S= have abundant
						interstitial qtz. S= is mainly sphal w/ minor py. Largest band is 1.5cm thick.
						S1 surfaces are black & mark fingers. Total S= 20% w/ sphal > py. Grade
						estimate 12% (Pb+Zn)
						171.2-176.0 3 bands of soft, light grey w/ greenish tinge to med white-grey,
						slightly dolomitic, muscovite-chlorite phyllite. Bands are 0.3', 1.0', 1.3' thick.
						5C homogeneous w/ relict diabasic texture - light "spots" in darker homogeneous
						matrix. Dolomite dissem throughout matrix. Margins parallel S2. 5C bands
						are separated by shorter intervals of hard, S=-banded 4C qtzite and locally by
						4" homogeneous fine porous py + po band - locally this band has large po clast
						within it. Total S= in 4C ranges 25-70%. Grade 4% (Pb+Zn)
						TOI-169.5 core extremely brken & rubbly / recovery good
						169.5-EOI core very brken due to fractures / recovery good
						Locally in S= intervals fractures have yellowish-green oxidation coating.

DDH B.7.G.-0.7. (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	11716 0	11817 6		15	1A1310	
						Hard, dark grey & brassy yellow striped, noncalcareous, ribbon-banded, carbonaceous gtbite. Ribbon-banding ranges from homogeneous, fine, massive py, to very diffuse fine & coarse py w/ interstitial grey gtz. Sphal not noted. Banding ranges from 1cm - 20cm in thickness. S2 surfaces dark grey & only slightly mark fingers. Total volume of banding in rock 60% or so. Banding defines S2. Total py ranges 25-70%. Grade 2-3% (Pb+Zn) or less.
						Core mod. broken along local steep fractures. Local 5" intvls of rubble due to fracturing.
L	11817 6	12013 1		16	1D5	
						Med grey, hard, noncalcareous, slightly carbonaceous, S=-banded gtbite. S2 surfaces range from light silvery grey to med dk grey. Mica readily visible on S2 surfaces. S= bands typically thin (< 0.5cm across), define both S1 and S2 cleavages. Total S= 15-20% w/ py > sphal. Grade 7% (Pb+Zn).
						TOI - 195 mod. broken w/ good recovery
						195 - 198 extremely broken & rubbly w/ good recovery
						198 - EOT mod. broken w/ good recovery
L	12013 1	12117 0		17	1D1415	
						Hard, grey to med. grey, noncalcareous, S=-banded gtbite. Texturally very similar to last Unit (196.7 - 203.1) except py much less in thin intvls & sphal is dominant. Banding is thin - averaging < 0.5cm. and defines both S1 and S2 cleavages. Abundant fine-grained light grey gtz-rich laminae define microfolding

DDH 87G-07

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						between S2 pressure soln S= bearing bands. Total S= 15-20% w/ sphal >> py. Grade 12% (Pb+Zn). S2 surfaces range from light silvery grey to locally dark carbonaceous black.
						Core very brken / recovery good. Last 2.5' only slightly brken.
L	217.0	222.5		18	4D5	BXA + GOUGE
						Hard to locally soft, med. grey, S=-banded qtzite. Unit contains thick intervals of gouge & bxa. Bxa consists of angular, rotated, S=-banded qtzite clasts ranging from < 1-2mm to 5cm across. Clasts are supported in matrix of soft, powdery, micaceous qtzite/gouge. Locally clasts are less abundant & left w/ soft, punky, micaceous qtzite gouge.
						Dominant orientation looks parallel S2.
						Grade estimate 6-7% (Pb+Zn). In more competent intvls total S= 15% w/ sphal > py.
						Core very brken mud gouge & bxa. Recovery looks good.
						Does not look to be a major fault. Probably small offset within the same 4D unit.
L	222.5	244.1		19	4D0	±5
						Light to med. grey, thinly S= banded, noncalcareous qtzite. Unit similar to 4D5 (203.1 - 217.0). Overall colour, however, is lighter grey. S2 surfaces range from light silvery grey to medium shiny grey. S= banding contains slightly more abundant sphal than py. Banding defines both S1 and S2 surfaces. Qtzite between bands typically contains thin light grey qtz microlithons. Total S= 10-12%. Grade 6-7% (Pb+Zn).
						Core mod. brken. Local rubble at ends of runs. Recovery good.

DDH 87G-07 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CV

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12414 1	13212 5		110	14A134	(4D3±4±5)(5D4B) ± BXA 80:20: TRACE

Hard, noncalcareous, brassy yellow to yellowish brown and dark grey to black striped, locally bxiated gtzite. In Non-bxiated intvls S² banding is very thick ranging from 2cm - 50 cm. Banding dominantly fine-grained py w/ reddish brown sphal ranging from 0% to 60% of S² band volume. Fine-grained interstitial grey gtz ranges from 0-30% of band volume. Carbon content of unit is variable and is dominantly confined to gtzites between the S²-bands. Carbonaceous folia are often discontinuous. S2 surfaces are black but only slightly mark the fingers. locally carbonaceous folia are absent in intervals up to 3' thick - S2 surfaces in these intervals is patchy light silvery grey. These intvls define light grey, S²-banded gtzite. S²-banding similar to 4A43 rock type.

Throughout entire unit are local intervals up to 2' thick of 4A and 4D bxa. Bxiated intvls contains subangular to rounded clasts of fine-grained massive pyritic S² and 4AD gtzite. Clasts vary in size from few mm to 10cm. Clasts are rotated. Clasts contains flow. Matrix between clasts is commonly softer than fragments and contains fine grey gtz, & phyllitic like gouge. S² not noted in matrix. Commonly bxa zones are very porous - due either to fragments removed or weathering of carbonate clasts (?) At 265.6' thin gouge at top of bxa interval 32/000 (parallel compositional banding) Bxa contact at bottom of entire unit 21/ no orientations possible relative S2. 15% of unit is bxa locally core grooves on fractures. & commonly on selvages of S² bands.

Total S² ranges 25% (short intervals) - 40-70% (long intervals) Grade also quite variable, ranging from 3-5% (short intervals) to 8-12% (long intervals). locally some patchy orange red oxidation coating on fracture surfaces - especially in top half of unit.

DDH 87G-07 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Centred @ 267.4' is 0.6' interval within bxa zone of homogeneous, tan/pale olive green, dolomitic, soft & locally gouged, altered, mica-chlorite phyllite. Phyllite locally has tiny spots of bright green fuchsite. Top contact 32°/core axis
						Tectonic bxas common in this interval indicate proximity to major fault. Fault appears reasonably steep. Some weathering occurring in faulted rocks.
						Core intact to locally slightly broken. End of runs commonly have rubble 5D zone also has associated rubble Recovery good for entire unit.
L	312125	312156		111	141A141	(4D4) BXA 80:20
						TOI - 322.8 hard, light grey to reddish brown, highly fractured, noncalcareous gtzite. Abundant fine, reddish brn sphal dominantly infills fine fractures in gtzite. Qtz occurs in fine grains forming matrix to larger white subangular qtz "clasts". Galena also infills fractures Locally a pale tan green carbonate (ankerite?) occurs as clasts assoc. w/ pegmatitic white qtz. Diffuse, resorbed margins? Highly brxiated metabasic clast Top contact of unit very sharp into massive py band into HA lower contact of 4D sharp x-cutting comp. banding into lower HA (within this unit) Contact is very irregular.
						322.8-EOI very hard, highly fractured, dark grey to black & reddish brn, noncal. carbonaceous gtzite. Contains abundant red-brown sphal which is extensively mobilized from ribbon-banding into thin fractures. As a result ribbon banding has been obliterated S2 surfaces even shiny black & mark the fingers. Locally white subangular pegmatitic qtz clasts scattered. Bottom 5" is fine-grained, reddish brn sphal w/ interstitial grey qtz & local large scattered qtz-dolomite clasts.

DDH 87G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Py very minor in entire unit. Grade 12-15% (Pb+Zn).
						Core intact to locally slightly broken; recovery is good.
						Unit is tectonic bxa w/ large & small clasts of rotated qtzose ores
						and minor metabasite. Sphal extensively mobilized into fine fractures in
						bxa.
L	3125 6	3133 2		1 2	4A0	GOUGE + BXA (10Q0) 97:03
						TOI-330 is soft, black, noncalcareous, 4A mud gouge. Locally contains small
						pebble-sized fragments of 4A qtzite scattered in gouge. Also contains 1 4" thick
						band of homogeneous, fine grained, porous, locally sandy pyrite. Top 5" is
						highly fractured, white pegmatitic qtz vein w/ abundant yellow-tan carbonate infilling
						fractures.
						330-EOI 4A bxa containing small rotated clasts of lighter grey 4A in a
						matrix of dk grey, fine-grained, med soft phyllite gouge. Py finely disseminated in
						matrix & gouge. Clasts have rotated S2 fltn. 331.2-EOI matrix
						gouge is more abundant and core becomes a gougy rubble.
						Top contact suggests gouge // compositional banding.
						Total S= 15% Grade 2% (Pb+Zn) or less. Recovery is good
						Core is gouge & rubble w/ 1.2' intact core 330-331.2.
L	3133 2	3151 8		1 3	4A0	(5D4 $) 92:08
						Med grey to dk grey, thinly ribbon banded, noncalcareous, carbonaceous qtzite.
						S= bands consist of dominant fine py and lesser reddish brn sphal w/
						interstitial light grey qtz. Unit dominantly PS2 foliated but locally CS2
						textures defined by thin grey qtz microlithons between S2 pressure solution
						stripes. S2 surfaces dull carbon black & strongly mark fingers

DDH 87G-07 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CUR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Total S= 12% py ≫ sphal Grade 1-2% (Pb+Zn) if lucky
						Initial 344.9-346.3 homogeneous tan w/ green tinge, soft, mod. dolomitic, altered muss-chlorite phyllite local minor "fuchsite" in bright green specks Margins of band parallel SZ.
						70I- 342.6 extremely broken & poker chippy Recovery is good
						342.6-EOI mod. broken w/ good recovery
L	131518	131532		114	14E41	±1 minor (4D05) 70:30
						Top 6" is light reddish grey, thinly PSZ banded, hard, noncalc gtzite Unit contains thin discontinuous carbonaceous folia parallel SZ. SZ surfaces dull gtz grey S= banding <3mm thick & contain equal py-red sphal-grey gtz Total S= 15% Grade 8% (Pb+Zn)
						Rest of unit mod. soft, locally gneissic & sandy, homogeneous, massive pyrite S= locally has ½" thick band of the same 4D unit Total py 85-90% Grade 8% (Pb+Zn)
						Core mod. broken w/ 4" sandy py zone. Recovery good
L	131532	131556		115	14A01	
						Hard, diffusely S= banded, mod. carbonaceous, noncalcareous gtzite. Banding consists of fine py which is extensively remobilized into fine fractures locally SZ surfaces dk grey & only slightly mark fingers. Total py 20% Locally unit is CSZ-foliated as defined by thin light grey gtzite laminae forming microlithons Grade 1-2% (Pb+Zn)
						Core intact w/ good recovery

DDH 87G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131515 6	131610 0		116	131G101	(3B $4) TRACE [420 $]
						Mod soft, dominantly PS2 foliated, non-abrasive, light grey phyllite. S2 surfaces are light silvery grey. Contains local thin qtz siltstone laminae parallel S2. Centred @ 356 is 4" thick pale whitish green, dolomitic, mod soft, altered chloritic phyllite. Has contains abundant white pegmatitic qtz lenses elongate S2 up to 3cm long.
						Core mod broken along steep fractures. 6" core missing - probably from near metabasite.
						EOH

DDH 87G-07 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date Dec 12/87 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
	11570	11620				4IA1O	
	11620	11655				4ID1O	
	11655	11685				4IED14	
	11685	11720				4IA1L	(5C4$)
	11720	11760				5IC14$	(4CO)
	11760	11800				4IA13O	
	11800	11836				4IA139	
	11836	11876				4IA13O	
	11876	11917				4ID15T	
	11917	11956				4ID15T	
	11956	11993				4ID15T	
	11993	12013				4ID15T	
	12013	12066				4ID145T	
	12066	12093				4ID145T	
	12093	12130				4ID145T	
	12130	12170				4ID145T	
	12170	12194				4ID15	GOUGE
	12194	12225				4ID15T	BLA+GOUGE
	12225	12266				4ID10	±5
	12266	12314				4ID10	±5
	12314	12358				4ID10	±5
	12358	12399				4ID10	±5
	12399	12441				4ID10	±5
	12441	12490				4IA1D134	
	12490	12540				4IA1D134	
	12540	12590				4IA1D134	
	12590	12640				4IA1D134	
	12640	12690				4IA1D134	
	12690	12745				4IA1D134	
	12745	12790				4IA1D134	
	12790	12840				4IA1D134	
	12840	12890				4IA1D134	
	12890	12940				4IA1D134	
	12940	12990				4IA1D134	
	12990	13040				4IA1D134	
	13040	13095				4IA1D134	

DDH 87G-07 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date Dec 12/87 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
	1157.0	1162.0	307011	150	125	4IA01	
	1162.0	1165.5	307012	135	145	4ID01	
	1165.5	1168.5	307013	130	136	4IED41	
	1168.5	1172.0	307014	135	148	4IAL1	(5C4$)
	1172.6	1176.0	307015	140	149	5C14$1	(4C0)
	1176.0	1180.0	307016	140	151	4IA310	
	1180.0	1183.6	307017	136	147	4IA319	
	1183.6	1187.6	307018	140	148	4IA310	
	1187.6	1191.7	307019	141	152	4ID5T1	
	1191.7	1195.6	307110	139	150	4ID5T1	
	1195.6	1199.3	307111	137	151	4ID5T1	
	1199.3	1201.1	307112	138	150	4ID5T1	
	1201.1	1201.6	307113	135	143	4ID14I5T	
	1201.6	1201.9.3	307114	127	148	4ID14I5T	
	1201.9.3	1211.0	307115	137	143	4ID14I5T	
	1211.0	1211.7.0	307116	140	164	4ID14I5T	
	1211.7.0	1211.9.4	307117	124	127	4ID5T1	GOUGE
	1211.9.4	1212.2.5	307118	131	134	4ID5T1	BIA+GOUGE
	1212.2.5	1212.6.6	307119	141	153	4ID101	±5
	1212.6.6	1231.4	307120	148	158	4ID101	±5
	1231.4	1235.8	307121	144	152	4ID101	±5
	1235.8	1239.9	307122	141	155	4ID101	±5
	1239.9	1241.4.1	307123	143	150	4ID101	±5
	1241.4.1	1241.9.0	307124	149	158	4IAID314	
	1241.9.0	1251.4.0	307125	150	156	4IAID314	
	1251.4.0	1251.9.0	307126	150	159	4IAID314	
	1251.9.0	1261.4.0	307127	150	163	4IAID314	
	1261.4.0	1261.9.0	307128	150	157	4IAID314	
	1261.9.0	1271.4.5	307129	155	155	4IAID314	
	1271.4.5	1271.9.0	307130	145	148	4IAID34	
	1271.9.0	1281.4.0	307131	150	157	4IAID34	
	1281.4.0	1281.9.0	307132	150	155	4IAID314	
	1281.9.0	1291.4.0	307133	150	155	4IAID314	
	1291.4.0	1291.9.0	307134	150	156	4IAID314	
	1291.9.0	1301.4.0	307135	150	160	4IAID314	
	1301.4.0	1301.9.5	307136	155	165	4IAID314	

DDH 87G-07 CURRAGH RESOURCES INC.

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Date Dec 12/87 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
	3095	3150	30737	55	61	4AD34	
	3150	3200	30738	50	54	4AD34	
	3200	3225	30739	25	30	4AD34	
	3225	3256	30740	31	31	4AD4	BXA
	3256	3298	30741	42	39	4A0	GOUGE
	3298	3332	30742	34	48	4A0	BXA + GOUGE
	3332	3363	30743	31	35	4A0	
	3363	3398	30744	35	44	4A0	
	3398	3440	30745	42	49	4A0	
	3440	3480	30746	40	45	4A0	
	3480	3518	30747	38	45	4A0	
	3518	3532	30748	14	18	4ED	
	3532	3556	30749	24	30	4A0	
							EOH

DDH 87G-07 CURRAGH RESOURCES INC. Page ____ of ____

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ASSAY LOG (SAMPLER'S COPY) Date Dec 12/87 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
47.9		1157 0	1162 0	30701	✓2 4		4A0	
49.4		1162 0	1165 5	30702	✓1 0		4D0	
50.4		1165 5	1168 5	30703	✓1 0		4ED4	
51.4		1168 5	1172 0	30704	✓2 0		4AL	(5C4$)
52.4		1172 0	1176 0	30705	✓1 2		5C4$	(4C0)
53.6		1176 0	1180 0	30706	✓1 3		4A30	
54.9		1180 0	1183 6	30707	✓1 1		4A30	
56		1183 6	1187 6	30708	✓1 2		4A30	
57.2		1187 6	1191 7	30709	✓1 2		4D5	
58.4		1191 7	1195 6	30710	✓1 2		4D5	
59.6		1195 6	1199 3	30711	✓1 1		4D5	
60.7		1199 3	2013 1	30712	✓1 2		4D5	
61.9		2013 1	2016 6	30713	✓1 1		4D45	
63.0		2016 6	2019 3	30714	✓ 8		4D45	
63.8		2019 3	2113 0	30715	✓1 1		4D45	
64.9		2113 0	2117 0	30716	✓1 2		4D45	
66.1		2117 0	2119 4	30717	✓ 8		4D5	GOUGE
66.9		2119 4	2122 5	30718	✓ 9		4D5	BXA + GOUGE
67.8		2122 5	2126 6	30719	✓1 3		4D0	±5
69.1		2126 6	2131 4	30720	✓1 4		4D0	±5
70.5		2131 4	2135 8	30721	✓1 4		4D0	±5
71.9		2135 8	2139 9	30722	✓1 2		4D0	±5
73.1		2139 9	2144 1	30723	✓1 3		4D0	±5
74.4		2144 1	2149 0	30724	✓1 5		4AD34	
75.9		2149 0	2154 0	30725	✓1 5		4AD34	
77.4		2154 0	2159 0	30726	✓1 5		4AD34	
78.9		2159 0	2164 0	30727	✓1 6		4AD34	
80.5		2164 0	2169 0	30728	✓1 5		4AD34	
82		2169 0	2174 5	30729	✓1 7		4AD34	
83.7		2174 5	2179 0	30730	✓1 3		4AD34	
85.0		2179 0	2184 0	30731	✓1 6		4AD34	
86.6		2184 0	2189 0	30732	✓1 4		4AD34	
88.1		2189 0	2194 0	30733	✓1 5		4AD34	
89.6		2194 0	2199 0	30734	✓1 5		4AD34	
91.1		2199 0	3014 0	30735	✓1 6		4AD34	
92.7		3014 0	3019 5	30736	✓1 6		4AD34	

DDH 87G-07 (2–8) CURRAGH RESOURCES INC.

Page _____ of _____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date Dec 12/87 Sampled by _____

	CODE (1)	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
94.3		3095	3150	307737	✓ 17		4AD34	
96.0		3150	3200	307738	✓ 15		4AD34	
97.5		3200	3225	307739	✓ 8		4AD34	
98.3		3225	3256	307740	✓ 9		4AD41	BXA
99.2		3256	3298	307741	✓ 13		4A01	GOUGE
100.5		3298	3332	307742	✓ 11		4A01	BXA + GOUGE
101.6		3332	3363	307743	✓ 9		4A01	
102.5		3363	3398	307744	✓ 11		4A01	
103.6		3398	3440	307745	✓ 13		4A01	
104.9		3440	3480	307746	✓ 12		4A01	
106.1		3480	3518	307747	✓ 11		4A01	
107.2		3518	3532	307748	✓ 5		4ED	
107.7		3532	3556	307749	10		4A01	
			1084					
								EOH

DDH 87G-07 (2 / 8) CURRAGH RESOURCES INC. Structural Log

Page _____ of _____

Date: Dec 12/87 Logged By: CVR/LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S	11710	5 C1S12	S		310 01010	616		carbonaceous stripes in 4A
S	11811	5 C1S12	S		217 01010	513		banding in 4A
S	12100	C1S12	S		410 01010	610		banding in 4A
S	12115	0 C1S12	S		113 01010	514		banding in 4A
S	12128	0 C1S12	S		112 01010	512		" " 4D
S	12145	0 C1S12	S		118 01010	517		banding in 4A
S	12171	0 C1S12			118 11810	219		" " "
S	12181	6 0 P1S12				515		→ CS2 fold hinge in S1 - large Z fold banding in 4A
S	13101	6 0 P1S12				510		banding in 4A - large D2 fold in core folds S1
S	13119	0 C1S12	Z		216 11810	516		banding in 4A
S	13143	0 P1S12				614		banding in 4A
S	13151	0 P1S12				612		banding in 4A
S	13151	9 0 P1S12				716		micaceous flts

DDH 87G-07 (2–8)

RQD

CURRAGH ~~RESOURCES~~ INC.

~~Structural~~ Log

Page _____ of _____

Date: Dec 12/87 Logged By: CVR/LLP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 ~~Dip Direct.~~ CORE	S_2 ~~Dip Direct~~ RQD	Description
1	10–14	16–20	22–24	26	28–32	34–38	40–44	
		1520				01.10	01.10	Triconed
		1570				01.15	01.10	
		1620				2.14	0	
		1635				1.19	0	
		1685				51.17	21.19	spread out
		1720				41.10	01.17	
		1745				21.18	01.19	
		1800				61.13	11.11	spread out
		1850				61.10	21.14	" "
		1900				61.14	11.18	" "
		1950				51.17	21.18	
		1980				31.19	0	spread out
		2020				51.10	31.10	
		2070				51.16	01.18	
		2120				61.10	31.11	spread out
		2150				31.14	0	
		2190				31.12	11.17	
		2240				51.12	01.19	
		2290				51.19	21.16	
		2330				41.10	0	
		2380				51.15	21.11	
		2390				11.17	01.16	
		2440				51.12	21.13	
		2490				51.16	21.12	
		2540				51.14	31.14	
		2590				51.13	31.12	
		2640				51.15	41.10	
		2690				51.16	31.10	
		2745				61.10	41.18	
		2790				31.19	21.11	
		2840				51.16	31.15	
		2890				51.15	41.15	
		2940				51.13	41.19	
		2990				51.14	51.14	
		3040				51.14	51.10	
		3095				51.13	41.17	

RQD

DDH 87G-07 (2 / 8)

CURRAGH RESOURCES INC.

Structural Log (CORE RQD)

Page _____ of _____

Date: Dec 12/87 Logged By: CVR/LCP

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	
		131150				51.17	31.12	
		131220				51.14	31.11	
		131250				51.15	41.17	
		131300				41.13	11.11	
		131350				61.10	11.11	
		131400				51.18	01	
		131450				51.10	01.19	
		131500				51.14	01.19	
		131550				51.16	41.13	
		131600				41.18	21.12	
								EOH

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: 11 Nov 1987

Hole Number: 87G-08

Reference Fabric Orientation Diagram:

Project: '87 Grum Fill-in drilling

Location: Grum

Claim: ____

Terr.Plane Co-ords.: 6 905 068.73 N

592 370.35 E

wrong use

6905028.31 = UTM N

592414.94 = UTM E

Grid Co-ords: 72W 7.5N

LOCAL N = 6334.1

LOCAL E = 2836.6

Elevation: 1302.72

All symmetry determinations looking

Total Depth: 316 feet (

____ with ____ dipping

Inclination: -90 (vertical)

____ with dip azimuth ____.

Purpose: To fill in early reserves drilling and get met. samples

Reason hole Terminated: Entered area of underground drilling

Logged by: ____

Date(s) Logged: ____

Drilling Contractor: Arctic DD

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine Lab

Certificate No's: 11000 Series

Size	CORE From	To
NW	0	80
NQ	80	316

Collar Cased and Capped: ____

Started: Nov 5/87 Completed: Nov 7/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G08 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 42	
T	87G08	1302.72	9050681.7	5923704.4	METRES	52	

DEPTHS THIS SHEET = FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R	87G08	0.00	180.0	0.0	AT COLLAR
R	87G08	305.0	176.0	032.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.

DDH 87G-08
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 7/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	0 0	80 0		1	#	Triconed — no recovery
L	80 0	152 0		2	#	TILL
						Gravel and boulders in a greenish brown sand/silt/mud matrix. Largest & most abundant drilled boulders are 10AB muscovite-biotite granite. Largest is just over 1' across. Gravel includes phyllite and metabasite. Recovery is variable — areas of poor recovery typically consists of pebbles w/ matrix being washed away in the return. Recovery ranges from <5% to 100%. Over entire interval have 45' core ≈ 50% recovery
L	152 0	172 6		3	FE-OX	IDE [5D4 weathered]? (4CO) MINOR
						Dominantly a bright orange-rust mud. Locally can see remnant mica and pervasive foliation texture. Comparison to 5D4 is based almost entirely on highly weathered core recovered from 87 Vangorda deposit ddh.
						Interval 156-158 redrilled pebbles of medium grey qtzite. No grade noted in qtzite. Largest piece is 3cm on a side.
						Interval 161-167 contains light, porous & vuggy iron oxides. Surfaces locally look like cemented fragments. Locally almost a botryoidal texture w/ dk brown smooth convex iron oxide/hydroxide precipitating on material
						Recovery is abominable. 152-156; 0.8' / 156-158; 0.8' / 158-161; 2.2' / 161-162; 0.6' / 162-167; 1.3' / 167-172; no core / 172-EOI; 0.3'
L	172 6	183 5		4	5A6	±1 MUD - extremely weathered
						Carbonaceous black mud. Contains small phyllite chips throughout. Locally throughout interval has some larger pieces which are 4AO, thinly ribbon banded qtzite.
						Upper contact sharp against oxide orange mud. Lower contact gradational into more

DDH 8.7.6-0.8
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 7/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						cohesive and coherent rock. Grade is negligible/only minor fine py noted.
						looks to be a strongly developed weathering pattern (?) rather than a mud gauge.
						Recovery is highly variable TOI-175; 0.6' / 175-179; 2.5' / 179-182; 1.6' /
						182°-EOI; 2.1'. Core is mud & chips for entire interval.
L	1835	1920		5	5A19	@? extremely weathered → (4AO extremely weathered) 90:10
						Mod hard, thickly laminated, black phyllite. S2 surfaces are shiny black and
						weakly mark fingers. Contains fine qtz-py ± minor sphal light grey laminae.
						Intervals between laminae are phyllitic and can be generally scratched w/ a
						nail. Compositional banding essentially going down core axis. Py in
						qtz-S= bands extremely weathered to orange-rust colour. Also brken surfaces have
						light yellow jarosite coating and off-white weathering coating patchily developed.
						Locally unit is more siliceous and approaches 4A. This is more noticeable near
						the bottom of the interval.
						Phyllite has brief flash of fizz when sprayed w/ 10 or 20% HCl. Similar
						to "dolomitic flash" noted for 5A619 noted NW of Vangorda deposit.
						Core very brken & rubbly. Mainly because weathered + drilling down compositional banding.
						Recovery looks about 80%.
L	1920	2080		6	5A6	±1 MUD
						Moderately soft, noncalcareous, black mud. Contains numerous small phyllite chips
						locally fragments are mod hard to hard and consist of fine-grained dark grey
						qtzite. No rust-brown weathering colour noted. Don't know if this is related to
						weathering or to gauge. Recovery is generally terrible. Core consist of mud & rubble.
						192-194; 0.4' / 194-199; 1.6' / 199-200; 0.3' / 200-202; 0.8' / 202-207; 1.0' /
						207-EOI; 0.6'. NEAR 202', mud contains insect shells!!!

DDH 87G-08 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 7/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	121018.0	121125		17	14F141	(5C4?) 65:35 [4544]
						Extremely high grade massive S= consisting of subhedral fine py porphs dissem in matrix of fine-grained brown sphalerite. Texture is thus fine micro buckshot. Estimated grade 25% (Pb+Zn) Py content 15%. S= also contains abundant small clasts of lt grey qtz. Overall interval has a ductile flow bra. texture.
						Central 1/3 of intvl is highly altered metabasik. Tan weathering w/ bright green "fuchsite" spots and streaks. Unit overall is soft and gunky. Surface fizzes slowly in 20% HCl.
						Core very broken and rubbly. Recovery about 60%.
L	121125	121170		18	14A101	(4A34) (5C4) 70:30: MINOR
						Top 1' of interval is hard, lt grey, noncalcareous, very pyritic ribbon-banded carbonaceous qtzite (4A34) Py + sphal bands flood across core although generally they are oriented parallel SA. Py also occurs w/ qtz in light grey ribbons; this py is generally coarse grained. Total S= = 50% w/ py > sphal. Grade estimated 13% (Pb+Zn).
						Grades rapidly down hole to moderately pyritic qtzite. Left w/ light grey qtz-py ribbon-banding. Overprinting/flooding by py-sphal no longer present. Total S= 25% Grade 1-2% (Pb+Zn) or less. Ribbon banding constitutes 60% of rock.
						Bottom of interval is minor unit of tan-green, highly altered chloritic phyllite. Overall intvl mod. broken. / lowest 1/3 of intvl very broken and rubbly. Only 3.5' core recovered.

DDH 87G-08 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 7/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	121170	121210		19	141D141	±5 (5C4 ± $) 60:40
						Strongly striped med to light grey and brassy-red, noncalcareous, hard qtzite. S2 surfaces generally silvery white from muscovite. Uppermost 10cm shows rapid transition from carbonaceous foliae to no carbon as go down adh. Py-sphal in thin laminae generally parallel S2. There S= also occur infilling small xcutting fractures. Total S= 40% w/ py > sphal. Estimated grade 12% (Pb+Zn).
						Lower part of intvl is soft, locally dolomitic, tan, altered phyllite. Contains sph and sheaks of bright green "fuchsite". Contacts sharp & parallel S2.
						HD is intact w/ good recovery / 5C is mod. broken w incipient gouges parallel S2. Gouge @ 222' steeper than S2 - 30/000. Only 3.5' core for entire unit.
L	121210	121270		110	141A141	rubble.
						Dark grey → black, hard, noncalcareous, PS2 foliated qtzite. Thin grey sph-qtz ± py laminae // to S2. are ∠ 3mm thick. Total S= 15% Sph >> Py, most of the laminae are qtz-sph w/ 10% being py dominate. Est Pb+Zn 12%. Core is rubble, Recovered core is 2.2%. Interval includes 2 redrilled boulders, 1 being 10AD and the other is 5C. Recvy is terrible.
	121270	125120		111	141D141	±5 ± 3 ±9minor (10Q0) (5C4)
						Medium grey, noncalcareous, hard, pyritic qtzite. S2 surfaces are silvery grey from muse. Locally contains carbonaceous foliae. Unit is locally very py + sph rich w/ py fine subhedral porphs in reddish-brown sph matrix. S= form bands // to S2 + extensively remobilized into X-cutting fractures. Total S= ranges

DDH 87G-08

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 8/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						from 20-60%. Grade Pb+Zn ≈ 12% comb. 1' of pegmatitic qtz vein from 231-232. Core extensively fractured along steep fractures + are locally porous due to weathering of carbonate. Locally, scattered pieces of muscovite phyllite. Core is very rubbly + broken. Recovery is terrible !!!!!. TOI-232 1' of core 232→237 1.6' core / 237-242 2' of core / 242-247 1.5' core / 247→EOI 1.2' core. 247→EOI core includes a redrilled piece of 10AB granite. At the end of this interval, the rubble becomes a massive microbuckshot pyritic S=.
	2520	2620		12	4E4	±5 BxA. (5D49) Trace.
						Moderately hard, dark brassy-brown, noncalcareous pyritic S=. Locally it contains thin bands rich in reddish-brown sph. Intervals contain interstitial qtz + carbonaceous folia. Near the bottom there are thin bands of tan weathering creamy-white phyllite w̄ thin stringers of py. Pyritic S= have a pyrite in pyritic S= BxA texture. Broken surfaces commonly have an orange-brown patchy weathering surface. Total S= 80% Est Pb+Zn 8%. Core is totally broken + rubbly.
						252→257 0.7' of core - includes 1 piece of redrilled 10AB granite. Also includes 0.5' overburden mud? / 257→262 is 3.4' of very broken + rubbly core ending w̄ 2" of overburden mud?

DDH 87G-08 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 8/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		12712		113	15D1416	(4D4) very weathered
						Soft, off-white, PSz foliated, homogeneous muscovite phyllite. Sz surfaces
						are silvery-white. Both cut, broken & Sz surfaces are weathered to
						a light orange-rust. Locally there are bright "fuchsite" spots.
						Unit contains tiny streaks of Py. Interbanded w this is
						a medium → light grey, hard noncalcareous qtzite. It contains 1-
						3 cm bands of reddish brown sph containing dess-
						subhedral fine py. Total S= is ≈ 50% w Sph > py. Est
						Pb+Zn 20%. Contacts w SD are sharp. Drilling is almost
						// w compositional banding. Core is very broken & rubbly.
						SD intervals tend to be very "punky". Recy is half-
						way reasonable for the first time. (Lee is whining here)
	2712 0	2812 0		114	15A611	9 minor GOUGE.
						Moderately hard, black, noncalcareous phyllite. Dominately a
						mud gouge w phyllite frags. Minor fine py noted in qtz+py
						banding. Near TOI, banding is a 4A texture, in bottom
						part banding looks like qtz siltstone texture. Core is
						rubble & mud gouge. 6.2' of core recovered. Sz surfaces
						are black & moderately mark the fingers.
	2812 0	3105 0		115	15A11	$ minor
						Dark grey → black, dominately PSz foliated, moderately soft →
						moderately hard phyllite. Sz surfaces are shiny black & strongly
						mark fingers. Locally it contains intervals up to 10 cm thick of
						thin qtz + dol siltstone laminae. Phyllitic intervals have a

DDH 2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						brief "fizzing flash" in 20% HCL. Core is very broken. 282→285 1' of core recovered. 285→287 1' of core. / 287→289 1.5' of core. / 289-294 1½' of core / 294→296 2' of core. / 296→302 NO core recovered / 302→EOI 1.5' of core. 302→EOI is straight fine rubble.
	13015 0	13116 0		1/16	15A611	GOUGE. Black, moderately hard, PSz foliated noncalcareous phyllite chunks in a black phyllite mud matrix. 305-306 ½' core / 306-309 1.3' core / 309-312 1½' core / 312→315 2½' core / 315→316 ½' core.
						POSSIBLY HOLE NEVER DEVIATED
						OUT OF A FAULT ZONE!
						EOH

DDH 87G-08 (2 8) CURRAGH RESOURCES INC. Page 10 of _____

Logged by CLP/CLR.

ASSAY LOG (SAMPLER'S COPY) Date DEC 8/87 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
	11512 0	11516 0					IRON OXIDE
	11516 0	11518 0				14C10	RUBBLE
	11518 0	11726					IRON OXIDE
	11726	11835				15A	GOUGE
	11835	11920				15A11	9
	11920	11990				15A16	
	11990	12012 0				15A16	
	12012 0	12018 0				15A16	
	12018 0	12112 5				14F14	
	12112 5	12117 0				14A10	
	12117 0	12212 0				14D	(5C)
	12212 0	12217 0				14A14	RUBBLE
	12217 0	12312 0				11 10 Q	
	12312 0	12317 0				14D314	
	12317 0	12412 0				14D314	
	12412 0	12417 0				14D314	
	12417 0	12520				14D314	
	12512 0	12517 0					MUD + IOAB + SULPHIDE PEBBLES
	12517 0	12612 0				14E14	BxA.
	12612 0	12614 5				15D14	
	12614 5	12618 0				14D	(5D4)
	12618 0	12720				15D	4

DDH 87G-08 (2 8) CURRAGH RESOURCES INC. Page 10 of _____

Logged by CURRCUR.

ASSAY LOG (SAMPLER'S COPY) Date DEC 8/87 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
	11512 0	11516 0	304710	40	11		IRON OXIDE
	11516 0	11518 0	304711	20	11	14C10	RUBBLE
	11518 0	11712 6	304712	148	159		IRON OXIDE
	11712 6	11813 5	304713	90	181	15A	GOUGE
	11813 5	11912 0	304714	85	181	15A11	9
	11912 0	11919 0	304715	70	127	15A16	
	11919 0	12012 0	304716	30	36	15A16	1.5
	12012 0	12018 0	304717	60	152	15A16	36
	12018 0	12112 5	304718	45	40	14F14	32
	12112 5	12117 0	304719	45	40	14A10	
	12117 0	12212 0	304810	50	37	14D	(5C)
	12212 0	12217 0	304811	50	29	14A14	RUBBLE
	12217 0	12312 0	304812	50	20	11 10 Q	
	12312 0	12317 0	304813	50	143	14D1314	
	12317 0	12412 0	304814	50	28	14D1314	
	12412 0	12417 0	304815	50	20	14D1314	
	12417 0	12512 0	304816	50	13	14D1314	
	12512 0	12517 0	304817	50	12		MUD + 10AB + SULPHIDE PEBBLES
	12517 0	12612 0	304818	50	37	14E14	BxA.
	12612 0	12614 5	304819	25	49	15D14	
	12614 5	12618 0	304910	35	47	14D	(5D4)
	12618 0	12712 0	304911	40	40	15D	4

DDH 876-08 (2 / 8) CURRAGH RESOURCES INC. Page 10 of ____

ASSAY LOG (SAMPLER'S COPY) Date DEC 8/87 Logged by CURRCUR. 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
46.3	✓	11512 0	11516 0	310417 10	14 0	11 1		
47.5	✓	11516 0	11518 0	310417 11	12 0	11 1	14C10	IRON OXIDE ✓ .2 / .3
48.2	✓	11518 0	11712 6	310417 12	14 8	15 9		RUBBLE ✓ .6 / .3
52.6	✓	11712 6	11813 5	310417 13	19 0	18 1		IRON OXIDE ✓ 4.5 / 1.8
55.9	✓	11813 5	11912 0	310417 14	18 5	18 1	15A	GOUGE ✓ 2.7 / 2.5
58.5	✓	11912 0	11919 0	310417 15	17 0	12 7	15A11	9 ✓ 2.6 / 2.5
60.7	✓	11919 0	12012 0	310417 16	13 0	11 5	15A16	✓ 2.1 / .8
61.6	✓	12012 0	12018 0	310417 17	16 0	13 6	15A16	✓ .9 / .5
63.4	✓	12018 0	12112 5	310417 18	14 5	13 2	15AE	✓ 1.8 / 1.1
64.8	✓	12112 5	12117 0	310417 19	14 5	14 0	14F14	✓ 1.4 / 1.0
66.1	✓	12117 0	12212 0	310418 10	15 0	13 7	14A10	✓ 1.4 / 1.2
67.7	✓	12212 0	12217 0	310418 11	15 0	12 9	14D	(5C) ✓ 1.5 / 1.1
69.2	✓	12217 0	12312 0	310418 12	15 0	12 0	14A14	RUBBLE ✓ 1.5 / .9
70.7	✓	12312 0	12317 0	310418 13	15 0	14 3	11 10 1Q	✓ 1.5 / .6
72.2	✓	12317 0	12412 0	310418 14	15 0	12 0	14D13 14	✓ 1.5 / 1.3
73.8	✓	12412 0	12417 0	310418 15	15 0	12 0	14D13 14	✓ 1.5 / 1.6
75.3	✓	12417 0	12512 0	310418 16	15 0	11 3	14D13 14	✓ 1.5 / .6
76.9	✓	12512 0	12517 0	310418 17	15 0	11 2		✓ 1.5 / .4
78.3	✓	12517 0	12612 0	310418 18	15 0	13 4	14E14	MUD + LOAD + SULPHIDE ✓ 1.5 PEBBLES 4
80.0	✓	12612 0	12614 5	310418 19	12 5	14 9	15D14	B x A. ✓ 1.5 / 1.1
80.6	✓	12614 5	12618 0	310419 10	13 5	14 7	14D	✓ .8 / 1.5
81.7	✓	12618 0	12712 0	310419 11	14 0	14 0	15D	(5D4) ✓ 1.1 / 1.4
			829					4 ✓ 1.2 / 1.2

DDH 87G-08 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: DEC 8/87 Logged By: LCP + CWR

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	
		11 18 18 0	P S 12				1 15	Pervasive Mica Foliation.
		12 1 15 0	C S 12			5 16 3 15 0	7 17	Carbonaceous Folia in 4A.
		12 2 15 0	P S 12				4 15	Banding in 4A
		12 3 18 0	P S 12				5 15	Banding in 4D
		12 6 12 0	C S 12			1 15 0 10 0	7 12	Foliations in 5D
		12 6 17 0	C S 12			1 12	2 15	Banding in 4D + 5D
		12 8 17 0	P S 12			1	3 13	Carbonaceous Folia in 5A
		13 1 12 0	P S 12				3 15	" " " "

PROJECT GRUM DRILLHOLE NO. 87G-08 COORDINATES: N _____ DATE DEC 8 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 12 of _____

LOGGER LOCHEAR INCLINATION -90° 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.	
80																	TRICONED
84		2.9		0													
88		1.8		0													
92		1.5		0													
97		1.6		0													
102		2.0		0													
107		0.9		0													
110		0.8		0													
112		1.5		0													
115		2.1		0													
117		2.7		0													
122		2.3		0													
125		1.5		0													
128½		1.3		0													
132		0.9		0													
136		0.5		0													
139		1.5		0													
142		0.7		0													
147		2.8		0													
152		0.9		0													
156		0.8		0													
158		0.8		0													
161		2.0		0													
162		0.6		0													
167		1.4		0													
172		0		0													
175		1.0		0													

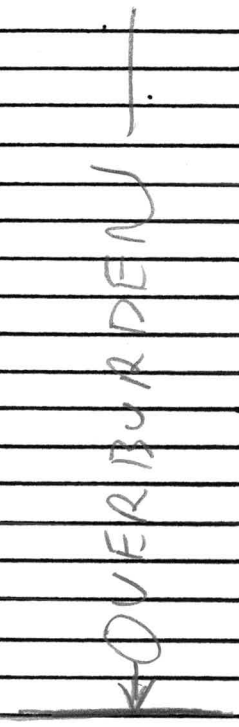

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-08 COORDINATES: N _____ DATE DEC 8 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 12 of _

LOGGER LCP + CVR 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.	
179		2.7		0													
182		1.6		0													
185		3.6		0													
188		3.0		0													
192		2.6		0													
194		0.4		0													
199		1.6		0													
200		0.2		0													
202		0.8		0													
207		1.0		0													
212		3.0		0													
217		4.7		1.2													
222		3.6		1.2													
227		2.4		0													
232		1.5		0													
237		1.6		0													
242		2.0		0													
247		1.4		0													
252		1.3		0													
257		1.7		0													
262		3.3		0													
266		5.5		1.9													
269		3.6		0													
272		2.4		0													
282		6.2		0													
285		1.0		0													
287		1.1		0													
289		1.8		0													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-08 COORDINATES: N _____ DATE DEC 8 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 14 of __

LOGGER CCP/CVR INCLINATION -90 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.	
294		1.6		0													
296		2.2		0													
302		0		0													
305		1.5		0													
306		0.5		0													
309		1.3		0													
312		1.7		0													
315		3.0		0													
316		0.5		0													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 876-09

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum deposit

Claim: _____

Terr.Plane Co-ords.: 6905092.77 N

592393.22 E

Grid Co-ords: 74W / 8.5N

Elevation: 1301.57

All symmetry determinations looking

Total Depth: 350 feet (106.7 m)

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth ____.

Purpose: Reserve definition + metallurgical sampling

Reason hole Terminated: test ore reserves + sampling completed

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: ARCTIC DIAMOND DRILLING

CORE Size	From	To
NW	0	120
NQ	60	350

Collar Cased and Capped: No

Hole Cemented: No Steel down Hole: 120' casing

Assay Lab: MINE

Certificate No's: _____

Started: Nov 8/87 Completed: Nov 12/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 8.7.G.-.0.9. (2 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	8 7 G - 1 0 9	1 1 3 1 0 1 . 1 6	9 1 0 5 0 1 9 2 1 . 1 8	5 1 9 2 3 1 9 3 1 . 1 2		5 1 2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	8 7 G - 1 0 9	1 1 0 0	1 8 0 1 • 0	1 0 1 • 0	A T C O L L A R
R	8 7 G - 1 0 9	1 2 3 7 0	1 7 9 1 • 0	0 1 8 5 1 • 0	
R	8 7 G - 1 0 9	1 3 1 3 7 0	1 7 5 1 • 0	0 1 9 2 1 • 0	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
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R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 8	10 56
		L O S T W A T E R A T 1 4 3

DDH 87G-09

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: ZCP & CVR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	10	610 0		11	#1	TRICONED - NO RECOVERY
L	610 0	1119 0		12	#1	TILL
						Dominately 10AB boulders & pebbles in a greenish-brown mud matrix. Proportion of gravel in the unit is 25%. Largest boulder is 0.6' Ø. Unit contains lesser chips of phyllite. Recovery is reasonable getting worse going down the hole. Last 20' only boulders recovered. Entire interval is 25' of core. No recovery between 107 → 117 - May be sand interval.
L	1119 0	1312 5		13	5A101$	Very Weathered
						Moderately soft, black, calcareous & dolomitic CS2 foliated phyllite. S2 surfaces are shiny black & mark the fingers. Contains abundant thin cc + dol + qtz + py siltstone laminae which locally define microlithons + S2. When fresh, these laminae are medium-grey. Unit is extremely weathered. S2 surfaces have a patchy silvery-orange brown coating. Siltstone laminae are typically slightly recessive weathering & have a distinctive orange-brown rust colouring. Core is very broken & 'poker chippy'.
						130 - EOI is rubble. ∴ about 1½' of core loss.
	1312 5	1514 5		14	4D10	Weathered (5C4$ weathered) Trace
						Hard → very hard, noncalcareous, light grey → off white, S= banded qtzite. S= bands are up to 2cm thick & consist of fine py, coarse angular py & fine red sph dissem in grey qtz matrix. Bands are // to S1 & S2 and are locally

DDH 87G-09

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC Logged By: LCP & CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						re-mobilized into thin fractures. Sz surfaces are qtz grey w/ patchy shiny musc. Sz surfaces typically contain a patchy light yellow-orange tinge. Core is locally extensively fractured on fractures up to 10° to the core axis. Fractures & commonly very porous & have strong surface weathering coatings ranging from light yellow "jarosite" to bright orange brown. Upper & lower contacts are lost in rubble. Unit contains two 1" bands of very orange brown stained, slightly dolomitic musc+chl phyllite at 136.7 & 144.8. Total S= ranges from 5% to 15%. w/ Py slightly > Sph. Est Pb+Zn 8%. Core is moderately broken w/ minor rubble zones associated w/ steep fractures to the most noticeable interval at 148 for 6 inches. Recy is O.K.
	11514 5	11516 0		15	41D101	(5D48) Very Weathered. 80:20
						Same 4D quartzite as last unit. Contains thin interbands of greenish-tan, soft, homogeneous, slightly dolomitic musc+chl phyllite. Near bottom of interval, this phyllite has a bright greenish tinge. Est grade & total S= same as previous unit. The entire interval is very broken & rubbly w/ strong orange-brown weathering on fracture surfaces & locally on Sz surfaces. Musc + Chl phyllite is incipiently gouged. Recy is reasonable.
	11516 0	11518 0		16	51C141$	
						Soft, "punky," bright green & grey striped dolomitic phyllite. Bright green colour is related to "fuchsite" occurring in

DDH 87G-09

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: CLP YEUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						laminae and spots. The top 2.4' in this interval consists of brown sand cave from overburden. There is 1.5' of metabasite recovered in entire unit. Core is moderately broken & incipiently sawed throughout because of the nature of the rock type.
	1 15 18 0	1 16 16 4		17	4 D 14	
						Light grey → off white, very hard, noncalcareous, sulphide banded qtzite. Contains thin diffuse laminae & streaks consisting dominately of sph w lesser fine py. Se surfaces contain patchy mvse. S= laminae are locally re-mobilized into fractures. Total S= 15-20% Est Pb+Zn 12% comb. Top 1½' is very rubbly. 159.5 → EOI core is intact, recy is GOOD. Se surfaces are generally fresh w only very minor local orange-red staining.
	1 16 16 4	1 16 19 3		18	4 A 14	
						Very hard, noncalcareous, dark grey qtzite. Se surfaces are shiny black & locally polished by faulting. Total S= 10% w Py = Sph. Est Pb+Zn 6%. Sph & py are dess= in medium grey qtz ribbon banding. Sph also concentrated along Se pressure solution 'stripes'. Upper contact is sharp w some angular pieces of 4A "floating" up into 4D unit. Lower contact is sharp. Core is intact. Recy is GOOD.
	1 16 19 3	1 18 10 0		19	5 C 18	± 4 (4DO ± 4) 65:35
						Soft, tannish green → dark green, dolomitic chloritic phyllite

DDH 87G-09 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP + CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Uppermost bands are homogenious green tinged - tan are are strongly PSz foliated. Could be considered a SD. Lower bands are grey w dark green anastimosing chlorite streaks. The thickest interval of metabasite is 4'. Interbanded w SC is a grey-white, very hard, noncalcareous qtzite. Sz surfaces have slight patchy muscovite. S= banding is diffuse + consists of sph slightly > py. S= have been extensively remobilized into X-cutting fractures. Total S= ranges from 5 → 25%. Grade ranges from 5 → 12% combined. Marginal contacts of metabasite bands are sharp // to Sz. Core is moderately broken. SC intervals are locally incipiently gouged. Recov is GOOD.
	1 1 8 10 0	1 1 9 3 8		1 1 0	1 4 1 A 1 4	
						Very hard, dark grey, noncalcareous, ribbon banded qtzite. Ribbon banding consists of medium grey qtz + fine dess- sph + py. S= are also concentrated along Sz surfaces. Sz surfaces are dull → shiny black + mark fingers. Intervals between S= bands are a finely laminated dark grey qtzite. Total S= ≈ 15%. Sph > or = Py. Grade ranges between 8 + 14% because some intervals are extremely Sph rich. 193-193 1/2 consists of overburden soil cave. Core is moderately broken. Recov is GOOD.
	1 1 9 3 8	1 2 0 3 5		1 1 1	1 4 1 D 1 4	qvein minor (4A4) 70:30
						Pale grey-white, very hard, non calcareous S= banded qtzite. Banding consists of fine Py + red sph forming thin discontinuous streaks + laminae generally // to Sz. Locally, thicker bands of fine

DDH 87G-09

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						to medium Py (2cm thick) are also // to Sz. Locally, S= are remobilized into fractures. Minor splashy Cpy infills X-cutting fractures. Total S= 20%. Est Pb+Zn 11%. One thin band contains minor dolomite.
						Interbanded w 4D is a dark grey, ribbon banded carbonaceous 4A qtzite. Contacts between 4D + 4A are gradational w gradual lessening of grey colour. Total S= for 4A is 10-15%. Est Pb+Zn 8-9%. Sz surfaces are shiny black for 4A. Sz for 4D are shiny grey w silvery mica patches. Core is slightly broken. Recy is GOOD
	12 01 35	12 11 44		11 12	15 D 14	± $ (5C4$) (4D473) 60:15:25
						Soft. to moderately hard, tan → pale olive green, homogeneous PSz foliated noncalcareous, locally dolomitic muscl+chl phyllite. Sz surfaces are dull pale olive tan. Locally, this homogeneous phyllite grades into a dark green & grey, soft, dolomitic striped chloritic phyllite. Chl forms thin dark green laminae in a grey dolomitic mtx. Bright green "fuchsite" spots are visible in more altered intervals. Interbanded with 5C on a scale of 0.3' → 2.3' are light grey, very hard, noncalcareous sulphide striped qtzite bands. Total S= 20-30% w Sph >> Py. Sph forms thin irregular streaks. Py typically occurs as a few 5 cm thick bands. Est Pb+Zn ≈ 12% Core is very broken. Metabasite is typically gouged locally. Recy is O.K. No obvious faults.

DDH 87G-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	214 4	240 1		13	5A6$	9 ± 1
						Moderately soft to locally moderately hard, black, CS_2 foliated, moderately dolomitic phyllite contains abundant dark grey qtz + dol siltstone bands + laminae which from microlithons + S_2 cleavage. Siltstone contains minor fine dess⁻ py + locally contains fine dess⁻ sph. Moving down the unit, there are increasing numbers of light qtz + coarse py ± fine sph ribbons / bands / laminae. Bands are typically // to siltstone laminae + become increasingly a 4A ribbon banded texture. S_2 surfaces are shiny black & mark fingers. Total S= ≈ <5% at top becoming 5→10% near bottom TOI → 218½ is very broken w̄ intervals of incipient gouge. Gouge is // to S_2. / 218½ → 222 moderately broken / 222 → 223½ very broken / 223½ → EOI moderately broken. Recry is good. No major faults.
	240 1	243 5		14	5C4$	(4C09$) 50:50
						Top ½ consists dominately of a pale grey, pinkish → white fine grained dolomitic qtzite. Fine py form irregular diffuse bands dominately // to S_2. Dolomite occurs as interstitial grains in pyritic intervals and as coarser subangular grains in the qtzite. Minor Cpy + Gal occur in X-cutting fractures. The overall fine grained texture + colour of the qtzite reminds Lee of the "bleached" qtzite within the 5A package adjacent to the metabasite in the Ski-Hill area. Total S= 15% w̄ Py much > Sph. Est Pb + Zn 2%.
						Bottom ½ is a soft, dolomitic, grey-green

DDH 87-09

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP & CVR

Code	From	To	Recov.	No.	Unit	Description
						altered chloritic phyllite. Dark green chl forms anastomosing streaks defining the S_2 foliation. Locally chl is altered to bright green "fuchsite". Contact between the two units is sharp // to S_2. Core is slightly → moderately broken. SC is "punky" + incipiently gouge locally. Recov is GOOD.
	12.13.5	12.15.2		116	14E14	Porous → (4E41) 40:60
						Upper 1' is a moderately hard, noncalcareous, porous, friable massive $S^=$. Core is very rubbly, what you can see looks like fine subangular pyrite clast$^=$ in a mtx of reddish-brown sph. It has recessive weathering in thin laminae. Est Pb+Zn 12-15% (a guess). Lower part of the interval consists of fine subangular py grains clast$^=$ in a reddish-brown sph. mtx. It contains small to large clasts + bands of qtz. Large clasts are carbonaceous + look like fragments of 4A. Unit is thinly banded based on variations in Py content. Total $S^=$ 85%, remainder is qtz. Est Pb+Zn 17%. This looks like a thick sulphide band within 4A. Top 1' core is rubble. Rest of interval core is intact. Recov is O.K.
	12.14.5	12.14.7		117	14A4	4
						Very hard, noncalcareous, $S^=$ rich, carbonaceous qtzite. Consists of bands + "clasts" of fine grained dark grey qtzite "floating in a mtx of fine grey qtz, reddish sph, fine py + coarse angular Py. Total $S^=$ 50-55% w py & sph. Est Pb+Zn 15%. S_2 surfaces are dark shiny black. Core is intact. Recov is good.

DDH 87G-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	R1417 2	12512 0		118	141D14	
						Hard, white + reddish brown striped, noncalcareous qtzite.
						Striping consists of irregular bands + laminae of reel sph ±
						lesser fine angular py. Maximum thickness is about 1 cm.
						Bands + laminae are crudely // to S_2 + have locally been
						remobilized into fractures. S_2 surfaces are silvery musc. white.
						Upper + lower contacts are gradational. Total S= 25-30%.
						Est Pb+Zn 15%. Core is intact. Recov is GOOD.
	12512 0	12710 7		119	141A14	→ (4D5) 70:30
						Dominately a dark grey, noncalcareous, ribbon banded
						qtzite. S= occurs in 1/2 cm → 5cm light grey qtz + py + sph bands.
						These bands are // to both S_1 + S_2. Generally Sph > Py. Sph also
						occurs in thin laminae // S_1 & S_2 pressure solution stripes.
						Total S= 15→25%. Est Pb+Zn 10-15%. The lower 1/3 of
						the interval is slightly lighter grey. S_2 surfaces range from
						shiny black at top to silvery grey at bottom. TOI → 267.5
						core intact, good recov / 267.5 → 268 very rubbly ± incipient gouge.
						Rec. O.K / 268 → EOI core intact. Recov is good.
	12710 7	12911 0		1210	141A14	±3 (5D4 $) (4D4 ± 5) (4L0) 45: 35: 20 : TRACE
						5D occurs as moderately soft, homogeneous, slightly dolomitic,
						pale olive - tan, PS_2 foliated, chl + musc phyllite. Contains minor
						small streaks of fine py. Contains vuggy 1cm thick qtz veins.
						Vugs presumably due to weathered out carbonates. Contains thin
						white - tan laminae // to S_2 which give unit a 5D texture.

DDH 87G-09.

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC 11/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Interbanded w the phyllite is a noncalcareous dark grey → off white, very hard qtzite. Dark grey qtzite is the background unit. Sz surfaces are shiny → dull black. S= form bands up to 2cm thick consisting of light grey qtz w dess sph + py. S= also occur as 10-15 cm thick py + lesser sph bands w irregular margins. Thicker bands are generally // to Sz. Total S= ≈ 35→40%. Est Pb+Zn 12-15%.
						Adjacent to SD intervals the qtzite becomes light grey to off white. S= textures + proportions are the same as 4A. Only major difference is "bleaching" of carbon. These light coloured selvages are typically up to 1' thick. Top 1' of the interval is a soft, silvery green tinged grey, noncalcareous, PSz foliated phyllite. Sz surfaces are silvery greenish grey. It is uncertain whether this is a pelite or metabasite phyllite. Looks more like a pelite to LEE.
						TOI → 280 moderately broken w good recvy / 280 → 282 very broken w goooood recvy / 282 → 285.5 moderately broken w good recvy / 285.5 → EOT very broken w good recvy.
						This represents a very pyritic + base metal rich 4A intersection which is locally bleached by metabasite.
	12 19 1 0	13 2 14 2		12 1	14 A 14	3 (40453) 85:15
						Dominately a dark grey → black, noncalcareous, hard, S= rich, ribbon banded qtzite. Py + Sph are associated w light coloured qtz in compositional bands up to 2-3 cm thick. Bands appear to be // to both S1 + Sz. In addition, they form thick pyritic intervals

DDH 87-G-09

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						up to 20 cm thick. Thick pyritic bands are locally slightly porous. Sz surfaces are shiny black + mark fingers. Near upper part of the unit, the black qtzite between the bands texturally resembles the 5A phyllite rather than lighter grey qtzite. These qtzite intervals are hard! Locally the qtzite is a medium dark grey. Sz surfaces are silvery grey rather than black. Total S= 50-60%. Est Pb+ Zn 12-15%. Core is moderately broken. Recy is GOOD.
	132 14 2	133 10 9		12 12	15 D 14 $	(4A43) (4D43) 50:40:10
						Upper 2.2' is a moderately soft, slightly dolomitic, PSz foliated, pale tan grey musc phyllite. Thin discontinuous fine py streaks are // to Sz. The 4D occurs in 0.5' selvages to this altered 5B4 phyllite. 4D grades downward + upward into a sulphide rich carbonaceous qtzite. In bottom 1' of the unit, the mtx consists dominately of a pitted fine grained pyrite + marcasite? w clasts + streaks of carbonaceous qtzite. This lower interval looks like a micro breccia w rotated qtzite clasts in S= mtx. Lower contact X-cuts Sz at 000/20. In the qtzite, total S= 40%. Est Pb+Zn 5-10%. Core is very broken. 327→330 contains abundant drill marks on the core w only 1' of recy. Outside of this interval, recy is O.K.
	133 10 9	133 15 0		12 13	15 A 16	± 1 (4J47) 90:10
						Black, noncalcareous, phyllite. Uppermost part of the unit is moderately hard becoming moderately soft moving down the hole. Contains abundant qtz w minor py veinlets. At 331.5 → 331.8 is a fine grained

DDH B7G-09 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP + CUA

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						sph + py + po vein containing rotated clasts up to 3cm Ø of highly altered tan metabasalt. Clasts contain minor "fuchsite" spots. S_2 foliation is kinked & disrupted. The brecciated texture to the sulphides, the non parallel S_2 upper contact & kinked & disrupted S_2 suggest a fault may be cutting the bottom of the orebody.
						TOI → 332.5 is moderately broken. Recov is O.K. / 332.5 → EOI is very broken & rubbly, 1' of core recovered.
	131315 0	131510 0		1214	131610	(3134 & minor) trace.
						Soft, PS_2 foliated, medium grey, noncalcareous phyllite. S_2 surfaces are steely grey. Unit is subtley laminated in shades of grey. The interval 335.5 → 336.5 is a slightly dolomitic, moderately soft, PS_2 foliated, pale tan mica phyllite. S_2 surfaces are creamy white. Core is moderately broken. Recov is GOOD.
						EOH

DDH 87G-09 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP & CVR

ASSAY LOG (SAMPLER'S COPY) Date DEC 12/87 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
	1 13 25	1 13 72				14D10	Weathered
	1 13 72	1 14 15				14D10	"
	1 14 15	1 14 56				14D10	"
	1 14 56	1 14 99				14D10	"
	1 14 99	1 15 45				14D10	"
	1 15 45	1 15 60				14D10	Very weathered
	1 15 65	1 15 80				15C14$	
	1 15 80	1 16 20				14D14	
	1 16 20	1 16 64				14D14	
	1 16 64	1 16 93				14A14	
	1 16 93	1 17 45				14D14	(5C$)
	1 17 45	1 18 00				14D10	(5C$)
	1 18 00	1 18 36				14A14	
	1 18 36	1 18 75				14A14	
	1 18 75	1 19 10				14A14	
*	1 19 10	1 19 38				14A14	SKID SAND 193 - 193.6
	1 19 38	2 10 35				14A14	
	2 10 35	2 10 70				15C14$	(4D4)
	2 10 70	2 11 06				14D14	(5D4$)
	2 11 06	2 11 44				15D14$	(4043) minor
	2 11 44	2 11 92				5A16$9	
	2 11 92	2 12 43				5A16$9	
	2 12 43	2 12 86				5A16$9	
	2 12 86	2 13 33				5A16$9	
	2 13 33	2 14 01				5A16$9	
	2 14 01	2 14 35				15C14$	(4109)
	2 14 35	2 14 52				14E14	± 1
	2 14 52	2 14 72				14H14	
	2 14 72	2 15 20				14D14	
	2 15 20	2 15 65				14A14	
	2 15 65	2 16 13				14A14	
	2 16 13	2 16 58				14A14	(4D5)
	2 16 58	2 17 07				14A14	(4D5)
	2 17 07	2 17 53				14A14	±3
	2 17 53	2 17 90				15D14$	(5D3)

DDH 87G-09 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP & CVR

ASSAY LOG (SAMPLER'S COPY) Date DEC 12/87 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
	12719 0	12812 0				14A4	+3
	12812 0	12816 0				141A4	3
	12816 0	12817 8				15D14	$ (4D4)
	12817 8	12911 0				14D14	(5D4$)
	12911 0	12915 0				14A14	
	12915 0	12918 8				141A143	
	12918 8	13012 9				141A143	
	13012 9	13017 5				14D1543	
	13017 5	13111 5				14D1543	
	13111 5	13115 8				14V143	
	13115 8	13210 2				141A143	
	13210 2	13214 2				141A143	
	13214 2	13310 9				15D14$	(4A43) (4043)

DDH 87G-09 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP / CVR

ASSAY LOG (SAMPLER'S COPY) Date DEC 12/87 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
		11312 5	11317 2	307510	147	148	14D10	Weathered
		11317 2	11411 5	307511	143	147	14D10	"
		11411 5	11415 6	307512	141	148	14D10	"
		11415 6	11419 9	307513	143	148	14D10	"
		11419 9	11514 5	307514	146	150	14D10	"
		11514 5	11516 0	307515	145	145	14D10	Very weathered
		1111	1111	11111	1	1	1111	
		11516 5	11518 0	307516	145	145	15C14$	
		11518 0	11620 0	307517	140	145	14D14	
		11620 0	11664	307518	144	149	14D14	
		11664	11693	307519	149	132	14A14	
		11693	11745	307520	152	169	14D14	(5C$)
		11745	11810 0	307521	155	157	14D10	(5C$)
		11810 0	11836	307522	136	139	14A14	
		11836	11875	307523	139	143	14A14	
		11875	11910	307524	135	148	14A14	
*		11910	11938	307525	128	148	14A14	SKID SAND 193 - 193.6
		11938	12013 5	307526	197	1,110	14AD14	
		12013 5	12107 0	307527	135	146	15C14$	(4D4)
		12107 0	12110 6	307528	136	148	14D14	(5D4$)
		12110 6	12114 4	307529	138	140	15D14$	(4D43) minor
		12114 4	12119 2	307530	148	149	5A16$19	
		12119 2	12143	307531	151	151	5A16$19	
		12143	12186	307532	148	150	5A16$19	
		12186	12313	307533	147	151	5A16$19	
		12313	12410 1	307534	167	154	5A16$19	
		12410 1	12413 5	307535	134	132	15C14$	(4D9)
		12413 5	12415 2	307536	117	128	14E14	+ 1
		12415 2	12417 2	307537	125	129	14A14	
		12417 2	12512 0	307538	147	122	14D14	
		12512 0	12516 5	307539	145	141	14A14	
		12516 5	12611 3	307580	148	148	14A14	
		12611 3	12615 8	307581	145	151	14A14	(4D5)
		12615 8	12710 7	307582	149	150	14A14	(4D5)
		12710 7	12715 3	307583	146	151	14A14	+ 3
		12715 3	12719 0	307584	137	148	15D14$	(5D3)

DDH 876-09 (2 8) CURRAGH RESOURCES INC. Page 01

Logged by LCP & CVR

ASSAY LOG (SAMPLER'S COPY) Date DEC 12/87 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
	12179 0	12182 0	3017185	130	3	14A14	+3
	12182 0	12186 0	3017186	140	37	141A14	3
	12186 0	12187 8	3017187	11 8	4	15D14	$ (4D4)
	12187 8	12191 0	3017188	138	32	141D14	(5D4$)
	12191 0	12195 0	3017189	140	30	141A14	
	12195 0	12198 8	3017190	138	50	141A143	
	12198 8	13012 9	3017191	141	48	141A143	
	13012 9	13017 5	3017192	146	50	14D514	3
	13017 5	13111 5	3017193	140	50	41D514	3
	13111 5	13115 8	3017194	143	49	14A414	3
	13115 8	13210 2	3017195	141	50	141A143	
	13210 2	13214 2	3017196	142	54	141A143	
	13214 2	13310 4	3017197	162	49	15D14$	(4A43) (4043)

DDH 87G-09 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP V CVR

ASSAY LOG (SAMPLER'S COPY) Date DEC 12/87 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
40.4	✓	11312 5	11317 2	310175 10	✓1/ 4	1	14D10	Weathered
41.8	✓	11317 2	11411 5	310175 11	✓1/ 3	1	14D10	"
43.1	✓	11411 5	11415 6	310175 12	✓1/ 3	1	14D10	"
44.4	✓	11415 6	11419 9	310175 13	✓1/ 3	1	14D10	"
45.7	✓	11419 9	11514 5	310175 14	✓1/ 3	1	14D10	"
47.1	✓	11514 5	11516 0	310175 15	✓1/ 4	1	14D10	Very Weathered
		1111	1111	11111	1 6	1	11111	
47.7	✓	11516 5	11518 0	310175 16	✓1/ 5	1	15C14$	
48.2	✓	11518 0	11612 0	310175 17	✓1/ 2	1	14D14	
49.4	✓	11612 0	11616 4	310175 18	✓1/ 3	1	14D14	
50.7	✓	11616 4	11619 3	310175 19	✓1/ 7	1	14A14	
51.6	✓	11619 3	11714 5	310176 10	✓1/ 6	1	14D14	(5C$)
53.2	✓	11714 5	11810 0	310176 1	✓1/ 7	1	14D10	(5C$)
54.9	✓	11810 0	11813 6	310176 2	✓1/ 1	1	14A14	
56.0	✓	11813 6	11817 5	310176 13	✓1/ 2	1	14A14	
57.2	✓	11817 5	11911 0	310176 14	✓1/ 0	1	14A14	
58.2	✓	11911 0	11913 8	310176 15	1✓ 9	1	14A14	SKID SAND 193 - 193.6
59.1	✓	11913 8	12013 5	310176 16	2✓ 9	1	14A14	
62.0	✓	12013 5	12017 0	310176 17	✓1/ 1	1	15C14$	(4D4)
63.1	✓	12017 0	12110 6	310176 18	✓1/ 1	1	14D14	(5D4$)
64.2	✓	12110 6	12114 4	310176 19	✓1/ 1	1	15D14$	(4043) minor
65.3	✓	12114 4	12119 2	310177 0	✓1/ 5	1	5A16$9	
66.8	✓	12119 2	12214 3	310177 1	✓1/ 6	1	5A16$9	
68.4	✓	12214 3	12218 6	310177 2	✓1/ 6	1	5A16$9	
70.0	✓	12218 6	12313 3	310177 3	✓1/ 1	1	5A16$9	
71.1	✓	12313 3	12410 1	310177 4	2✓ 1	1	5A16$9	
73.2	✓	12410 1	12413 5	310177 5	✓1/ 0	1	15C14$	(4D9)
74.2	✓	12413 5	12415 2	310177 6	✓ 5	1	14E14	+ 1
74.7	✓	12415 2	12417 2	310177 7	✓ 6	1	14A14	
75.3	✓	12417 2	12512 0	310177 8	✓1/ 5	1	14D14	
76.8	✓	12512 0	12516 5	310177 9	✓1/ 4	1	14A14	
78.2	✓	12516 5	12611 3	310178 10	✓1/ 4	1	14A14	
79.6	✓	12611 3	12615 8	310178 11	✓1/ 4	1	14A14	(4D5)
81.0	✓	12615 8	12710 7	310178 12	✓1/ 5	1	14A14	(4D5)
82.5	✓	12710 7	12715 3	310178 13	✓1/ 4	1	14A14	+ 3
83.9	✓	12715 3	12719 0	310178 14	✓1/ 1	1	15D14$	(5D3)

DDH 876-09 (2–8) CURRAGH RESOURCES INC.

Page _____ of _____

Logged by LCP & CVR

ASSAY LOG (SAMPLER'S COPY)

Date DEC 12/87 Sampled by _____

	CODE (1)	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
85.0	✓	2790	2820	307815	✓ 1		4A4	±3
86.0	✓	2820	2860	307816	✓ 1 2		4A4	3
87.2	✓	2860	2878	307817	✓ 5		5D4	$ (4D4)
87.7	✓	2878	2910	307818	✓ 1		4D4	(5D4$)
88.7	✓	2910	2950	307819	✓ 1 2		4A4	
89.9	✓	2950	2988	307910	✓ 1 2		4A43	
91.1	✓	2988	3029	307911	✓ 1 2		4A43	
92.3	✓	3029	3075	307912	✓ 1 4		4D54	3
93.7	✓	3075	3115	307913	✓ 1 2		4D54	3
94.9	✓	3115	3158	307914	✓ 1 4		4A4	3
96.3	✓	3158	3202	307915	✓ 1 3		4A43	
97.6	✓	3202	3242	307916	✓ 1 2		4A43	
98.8	✓	3242	3309	307917	2 1		5D4$	(4A43) (4D43)
			1009					

DDH 87G-09 (2 / 8) CURRAGH RESOURCES INC.

Structural Log

Page _____ of _____

Date: DEC 12/87 Logged By: LCP + CUR.

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	
	1 1 1	1 1 2 8 0	C S 2	S		4 5 3 5 10	7 6	Mica Foliation
	1 1 1	1 1 5 3 0	C S 2	S		2 5 3 4 10	6 8	Banding in 4D
	1 1 1	1 1 6 3 5	P S R				6 2	thin micas + banding in 4D
	1 1 1	1 1 8 10 5	C S 2	I		3 5 0 0 0	9 0	4A Banding
	1 1 1	1 1 9 12 5	C S 2				7 4	4A Banding (going to PS2)
	1 1 1	1 2 0 1 0	C S 2			5 5 0 19 0	7 2	" "
	1 1 1	1 2 1 6 0	C S 2			6 0 0 19 0	7 0	5 A micro lithons
	1 1 1	1 2 1 2 5 0	C S 2			2 0 2 19 0	7 1	" "
	1 1 1	1 2 1 5 3 0	C S 2			3 5 3 3 10	6 5	4A ribbon banding
	1 1 1	1 2 1 6 4 0	C S 2			3 5 2 7 0	6 5	4A " "
	1 1 1	1 2 1 8 5 0	C S 2	I		5 0 0 0 0	7 5	4A " "
	1 1 1	1 3 1 0 2	C S 2			8 0 0 5 5	6 5	4A " "
	1 1 1	1 3 1 9	C S 2			2 0 3 5 0	6 0	4A " "
	1 1 1	1 3 2 9	C S 2			2 0 3 4 5	5 3	Micaceous Foliations
	1 1 1	1 3 4 8	C S 2			3 0 3 3 10	6 0	Micaceous Foliations.

PROJECT GRUM | DRILLHOLE NO. 87G-09 | COORDINATES: N _____ | DATE DEC 12 1987

LOCATION _____ | HOLE SIZE NQ | E _____ | PAGE __ of __

LOGGER LCP+CVR | INCLINATION -90° | ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEPTH ~~DEGREE OF WEATHERING~~	Recov ~~ROCK TYPE~~	~~BEDDING DIP~~		BEDDING JOINTS		CROSS JOINTS		COMMENTS.
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	~~ANGLE~~ RQD	NO.	FREQ.	NO.	FREQ.	
60									172	5.4		0.4					
65		3.5		0					176	4.7		1.0					
70		1.8		0					181	4.8		2.1					
72		1.2		0					186	5.1		1.5					
74½		1.4		0					191	6.0		1.6					
79½		1.5		0					193	2.5		1.0					
82		0.8		0					193.5	1.5		0	← Sand from overburden				
87		1.5		0					198.5	5.2		2.9					
90		0.9		0					202	3.6		1.7					
92		1.2		0					207	5.4		1.3					
97		1.3		0					212	5.3		0.4					
102		2.0		0					215	3.6		0.0					
107		1.7		0					220½	5.4		0.4					
112		0		0					226	5.5		2.9					
117		0		0					231	5.4		2.0					
119		0.8		0					236	5.4		1.5					
122		2.0		0					241	5.3		1.1					
126		2.7		0					246	5.5		2.4					
130		4.5		0					252	5.2		4.0					
135		3.5		0					257	5.2		4.3					
140		5.1		2.0					262	5.0		3.7					
143		3.2		0					267	5.4		2.9					
148		5.3		1.5					272	5.0		2.1					
152		3.9		1.7					277	5.3		0.7					
156		5.3		0.4					282	5.0		2.3					
159		4.9		0					287	5.2		1.5					Includes 2' of overburden sand
162		2.9		2.2					292	5.6		1.1					
167		5.3		4.4					295	3.5		1.0					

Fig. 1. Typical rock mechanics core log.

RQD

DDH 87G-09 (2 / 8)

CURRAGH RESOURCES INC.

~~Structural Log~~

Page _____ of _____

Date: DEC 12/87 Logged By: LCP + CVR

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 Recov 38	40 RQD 44	
		31010				6.0	10	
		31055				5.3	2.5	
		31100				5.4	1.2	
		31155				5.8	1.4	
		31185				3.1	2.2	
		31220				3.2	0.9	
		31270				5.5	0.5	
		31310				1.1	1.0	
		31355				3.8	1.1	
		31410				5.2	0.9	
		31455				5.3	0.7	
		31510				5.5	0.4	

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-10

Reference Fabric Orientation Diagram:

Project: 1987 Grum Drilling

Location: Grum Deposit

Claim: _____

Terr.Plane Co-ords.: 6905068.36 N

592370.00 E

Grid Co-ords: 74W / 7.5N

Elevation: 1302.47

All symmetry determinations looking

Total Depth: 410 feet

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth ____.

Purpose: test ore reserves + metallurgical samples

Reason hole Terminated: drilled through 4A into carbonaceous phyllite

Logged by: ARCTIC DIAMOND DRILLING Date(s) Logged: _____

Drilling Contractor: _____

Hole Cemented: _____ Steel down Hole: _____

Assay Lab: _____

Certificate No's: _____

Size	CORE From	To
NW	0	120
NQ	120	410

Collar Cased and Capped: ____

Started: Nov 12/87 Completed: Nov. 15/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-110 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole (2–8)	Elevation (10–16)	Northing (17–24)	Easting (25–32)	Units (feet/metres) (34–39)	R.F.E. (41–42)
T	87G-110	1131021.15	9105061814	5923710.10		52

Code	Drillhole (2–8)	Depth (10–14)	Zenith Angle (22–26)	True Azimuth (28–32)	Comments (34–56)
R	87G-110	0	181°0	101°0	AT COLLAR
R	87G-110	1917	177°0	181°0	
R	87G-110	1917	176°0	191°0	
R			°	°	
R			°	°	
R			°	°

DDH 87G-10

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC 4/87 Logged By: CUR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
				1	#1	TRICONED - NO RECOVERY
		12106		2	#1	Small pebbles of Anvil Bath. granite and phyllite. Contains rounded + angular rock fragments. Average pebble size is 3/4 cm Ø. 0.6' of pebbles recovered.
	12106	13116		3	15D10	Calcareous, moderately soft, CS_2 foliated, pale olive green chloritic phyllite. S_2 surfaces are patchy light olive green and light grey. White calcite and qtz occur in thick siltstone laminations and commonly exhibit a well developed microlithon texture. Unit contains local incipient gouge in intervals generally < than 1" thick // to S_2. Weathering not seen on cut surface, however broken + fracture surfaces commonly show rusty orange weathering coatings. Core is very broken. Recov is O.K. No obvious major faults.
	13116	15120		4	15B10	±217 Moderately soft, calcareous, light → medium grey w local pale green tinge, CS_2 foliated phyllite. Moving down the unit, thin black carbonaceous folia become more abundant. S_2 folia are medium steely grey becoming dark grey in the bottom 8' of the unit. Pale green chlorite laminations occur locally and are more abundant in the top 4' of the interval. Abundant qtz + calcite siltstone laminations define a locally well developed microlithon texture. Laminations range on a scale of 1mm to 2cm across.
						TOI → 133.6 Core very broken, Recov is Good / 133.6 → 139 Core

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CURRAGH RESOURCES INC.

Lithologic Log

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						is slightly broken. Recov GOOD. /139 → 142.5 core very broken + locally rubbly at 139 → 140'. 8" of core loss / 142.5 → 147 Core moderately broken, recov is good / 147 → 148.4 very broken, recov O.K / 148.4 → EOI core moderately broken. 1' of core loss.
	115120	115160		15	151D10	
						Moderately soft, extremely calcareous, CSz foliated, light olive green, chloritic phyllite. Sz surfaces are dull pale olive green. Unit appears homogeneous except for abundant white qtz + calcite siltstone laminae. Laminae vary from 1mm to 1cm across and define microlithons. Core intact, recovery is good.
	115160	116103		16	151B10	±2
						Calcareous, moderately soft, light → medium grey, muscovite phyllite. Sz surfaces are shiny silvery-grey. Qtz + calcite occur in thin siltstone laminations dominately // to Sz, but locally define microlithons. Near bottom of unit, there is local development of paper thin carbonaceous folia. Unit contains thin intervals (< 1" thick) of grey phyllite mud gouge with contacts // to Sz. TOI → 158.5 core is very broken → rubbly. 158.5 → EOI core is moderately broken. Recov is O.K for entire unit
	116103	116911		17	151B612	→ [SA6]
						Moderately soft, noncalcareous, CSz foliated dark grey → black moderately carbonaceous phyllite. Sz surfaces are dark shiny steely-grey and only slightly mark fingers w/ silvery grey

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CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						residue. Microlithons locally defined by thin grey qtz laminations. Locally, thin fractures have calcite infilling s. Bottom 7" of the unit is a black powdery phyllite gouge containing abundant scattered small micaceous flakes. Gouge boundaries appear to be // to Sz. Core is very broken & rubbly in last 7" of unit. Recy is O.K.
	1 1619 1	1 1715 4		18	5 A 1611	9 → [4AO]
						Mod hard, black, noncalcareous, CS2-foliated, moderately siliceous, carbonaceous phyllite. S2 surfaces are dull dk grey to black and are abundantly micaceous. Qtz-S= banding is locally developed in thin laminae < 1-2 mm thick. Textures are reminiscent of 4A however it lacks well developed ribbon-banding (hence the 5A classification). Total S= 5-6% Py >> sphal. Py occurs w/ qtz in fine laminae // S1 and S2; py as very fine grains or aggregates. Py occurs similarly in fractures. Estimated 1-2% (Pb+Zn). Core slightly to mod. broken along steep fractures / Recovery good / No faults
L	1 1715 4	1 1776		19	4 D 131	
						Mottled grey & brassy yellow, mod. hard, noncalcareous, pyritic qtzite. Unit contains abundant scattered, subangular qtz clasts ranging from 1-2 mm - 3cm across. Matrix between clasts contains fine grey qtz, very fine reddish sphal, & abundant very fine-grained py. Near TOI py-rich matrix is porous due to weathering of carbonates. Abundant steep fractures filled w/ tannish-yellow carbonate & locally w/ fine py. Fractures also locally weathered to form open spaces. Fracture surfaces locally have greenish yellow weathering coating. Total py ~ 25-30% Estimated grade 5-6% (Pb+Zn) Core intact w/ good recovery

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 7/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	177.6	197.0		10	5C$	±4 (4E1 ± $) (10Q9) 85:10:5
						Soft, dk green to pale olive green & yellowish tan striped, moderately dolomitic, chloritic phyllite. Chlorite laminae range from pale olive green to dk green and locally define a crenulation cluge. Where cluges well developed unit has a "Leopard Rock" texture. S2 surfaces pale green to dark dull green. Different green shades due to different degrees of alteration. More highly altered intervals have more common orange-red oxidation/weathering coatings which are porous on both cut and broken surfaces.
						Interbanded w/ unit are 4 bands of hard, grey & brassy yellow, mod. siliceous pyritic S=. Largest band 1.8' thick. Texturally unit very similar to 4D interval described above (175.4 - 177.6) except py much more abundant in matrix between large greyish white qtz & dolomite clasts. Contacts of 4E w/ metabasite sharp and not // S2. Estimated grade <2% (Pb+Zn) Py content 70-80% w/ remainder qtz + dolomite.
						locally 5C has bluish green "fuchsite" on cut & broken surfaces.
						TOI - 182 intact w/ good recovery // 182-183 very broken to rubbly // 183-186.2 intact w/ good recovery // 186.2-187 very broken to rubbly due to fractures // 187-EOI mod. broken - 189.5-190.5 incipient gouges developed - probably due to rock type. 185.5 → 188.3 is a hard highly fractured medium grey qtz vein w/ thin fractures filled w dominately py + minor gal. Also contains abundant pale green chlorite in thin laminations + fracture fills.
L	197.0	203.4		11	4D44	± 5 minor
						Purplish reddish, hard, noncalcareous, sphalerite-banded qtzite. Abundant sphal bands are deep reddish brown, dominantly parallel S2, and range from 2mm - 3cm thick. S= bands separated by whitish grey qtzite which are commonly fractured & contain fine py along fractures. locally paper thin black carbonaceous folia are developed. Total S= 40% sphal >> py. Grade estimated 25% (Pb+Zn)

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						On local fractures have an orange-red weathering coating. Core intact w/ good recovery.
L	2034	2059		12	5D4$	(4CO) 60:40
						Pale olive green, homogeneous, dolomitic, chloritic phyllite. Soft, S2 surfaces are tannish pale green and locally have spotty blue-green "fuchsite". Dolomite disseminated in matrix.
						Contains interbanded hard, grey, noncalcareous, qtzite. S2 surfaces are dull qtz grey w/ abundant shiny muscovite "flakes". Unit highly fractured & banding disrupted. Py dominantly as fine aggregates in fractures. Two subangular, fine black chert nodules up to 2cm on long axis noted in the qtzite. Contacts w/ 5D not parallel S2. Grade < 2-3% (Pb+Zn). Total S= 15%. Core slightly brken w/ good recovery.
L	2059	2364		13	4D4	
						Very hard, noncalcareous, light grey & brassy red-brown striped qtzite. S= bands contain abundant fine, reddish-brown sphal. & coarser, subangular py and define both S1 and S2 cleaves. Bands generally < 2cm thick & constitutes about 25% of the rock. Sphal > py slightly. Estimated grade 13% (Pb+Zn). Abundant steep fractures which are locally weathered to produce deep scars in cut surface. Fractures < 15° core axis. Fracture surface have mustard yellow weathering coating. Core intact to slightly brken on fractures. Recovery excellent. S2 surfaces have patchy silvery grey muscovite.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 7/87 Logged By: CUR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	21316 4	21410 6		114	15C$1	
						light pale olive green, dk green, & tan striped, soft, dolomitic chloritic phyllite. Chlorite laminae range from light to dk green and define crenulation cluge. S2 surfaces have same range of colours (light to dk green). Dolomite is dominant in light tan bands/laminae. At 237-237.4 and 240-240.5 local incipient pale greenish mud gouge parallel S2. Unit mod. broken, recovery is good.
L	21410 6	21478		115	14D14	± 5
						Hard, noncalcareous, S= banded, locally slightly carbonaceous pelite. Light grey and purplish-red striped. S= bands define bulk S1 and S2 and contains fine reddish brown sphal and scattered fine py porphs. Unit is similar to Unit #13 (205.9-236.4) At 247 have 6" interval w/ thin carbonaceous folia S2 is dk grey w/ abundant patchy tannish yellow muscovite flakes. Total S= 20%. Estimated grade 10% (Pb+Zn). Sphal slightly > py. Core mod. broken w/ good recovery
L	21478	21610 1		116	15C$1	(4AO ± 4)(4D4) 60:30:10
						Pale olive green & whitish tan striped, soft, dolomitic, chloritic phyllite. Chlorite forms thin anastamosing green streaks. Dolomite occurs in thin laminae defining S1 and S2 fabrics. S2 surfaces are patchy pale olive green & grayish white. Locally unit becomes a homogeneous pale olive green - approaching a 5D rock type. Patchy local development of "fuchsite" on cut & broken surfaces.
						Interbanded is hard, noncalcareous, carbonaceous pelite. Locally the carbonaceous folia are absent. 4A has shiny black S2 surfaces which mark the fingers. Thin S= laminae containing fine py > reddish brn sphal. locally near

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						4D contacts sphal content of 4A becomes greater both in laminae and fractures.
						Estimated grade 5% (Pb+Zn). At 252.6 - 253.4 unit is light grey, hard,
						noncalcareous, S=-banded qtzite which forms selvage to a 4A band.
						Texturally rock is similar to 4A except for absence of carbon. S2 surfaces are
						qtz grey w/ local muscovite patches. Total S= 10-12% w/ sphal > py
						Grade estimate 8% (Pb+Zn).
						Unit intact w/ local minor incipient gouge @ 252' and 256.5 (1" long)
						parallel S2. Recovery good
L	2610 1	2716 0		117	5C1$	(4HO) (4CO±7) both trace
						Mod. soft, pale olive green & greyish tan striped, dolomitic, chloritic phyllite.
						Locally pale green chlorite laminae define crenulation cluge & give mottled
						Leopard Rock texture. Locally unit becomes homogeneous pale olive green
						(5D texture) S2 surfaces are pale olive green & locally have grey-tan
						patches. Abundant dolomite occurs in tan-grey laminae which locally define
						microlithons. Dolomite also infills xcutting fractures. Centred @ 266.4' is
						4" bronze massive po w/ small subhedral dissem py porphs. This interval also
						contains scattered, rounded qtz clasts ranging up to 1×2cm in size. S=
						may be related to qtz vein. 269.3 - 269.9 is hard, med. grey, mod. pyritic
						qtzite. Unit appears homogeneous because of abundant fine fractures infilled
						w/ fine py. Locally splashy po also infills fractures. Unit also contains
						very fine, pale tannish green chlorite laminae // S2. Total S= 10% -
						dominantly py Grade <1% (Pb+Zn) Margins of 4C // S2. Core intact w/
						good recovery

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CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12716 0	12719 1		118	4A4	(4C5)(5C?) 70:30: TRACE
						TOI - 277.3 hard, med. grey, noncalcareous, poorly banded, pyritic qtzite. Carbonaceous
						foliae only slightly developed. S2 surfaces pale grey qtz colour w/ abundant patchy
						greyish green muscovite/chlorite flakes. Very fine-grained py defines thin laminae
						< 1cm thick. Unit locally contains dk grey to black chert nodules elongate // banding.
						Top contact sharp // S2. Bottom contact sharp to 1" thick pale green metabasite band.
						Dominant unit is black & brassy yellow striped, very hard, noncalcareous, carbonaceous
						qtzite. S= banding contains dominantly fine-grained py & lesser reddish brown sphal.
						S= also fill abundant thin fractures throughout qtzite adjacent to S= bands. S=
						bands range 0.5 - 3cm thick. S2 surfaces dark carbonaceous black.
						Total S= 20-25% py >> sphal. Grade 7-8% (Pb+Zn). Core intact except
						for minor rubble in metabasite. Recovery good.
L	12719 1	12913 2		119	5A6	1 9 → (4A0) 60:40 moderately soft,
						Dominate unit is a black, highly fractured, ↑ CS2 foliated, siliceous
						carbonaceous phyllite. S2 surfaces are carbon black & strongly marks
						fingers. Thin qtz + sulphide bands define microlithons which are
						commonly displaced due to abundant thin fracturing. Laminations
						are commonly deformed along these fractures. The dominate S= in
						qtz sulphide bands is py w/ only local fine grained reddish-
						brown Sph. Where qtz sulphide banding increases, unit becomes
						4A0. Unit is a hard, noncalcareous, black, ribbon banded carbonaceous
						qtzite. S2 surfaces are carbon black & show local black micaceous
						flakes. 4A0 occurs in thick bands generally less than 1' thick
						with gradational contacts marked by ↓ in qtz and ↓ sulphide
						banding into carbonaceous phyllites. Total S= for entire interval ≈ 12%.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Py >> Sph. Est Pb+Zn 3-4%. TOI → 288 core is intact, recy is good. / 288 - 289.4 core is very broken + locally rubbly at 288 → 288.7. 288 → 288.7 is a powdery flakey black gouge w/ angular white pegmatitic qtz clasts. / 289.4 → EOI core is moderately broken to very broken between 292.5 + EOI.
	2 9 3 2	2 9 8 6		2 0	4 E 4	± 1 minor.
						Hard, thinly banded, noncalcareous, light brownish-yellow, locally slightly siliceous, massive pyritic S=. Banding is defined by variations in py + sph content and range in a scale from ½ cm thick to 6 cm thick. Locally, core is porous along steep X-cutting Sz fractures. Comp. banding defines Ps2. Total Py ≈ 80%. Est Pb+Zn 10-12%. Fine grained interstitial grey qtz is associated w/ sph banding and constitutes approximately 5-6% of total rock volume.
						TOI → 294.5 core intact, recy good / 294.5 → 295.5 core is very broken due to fractures / 295.5 → 296.5 core is intact, recy good / 296.5 → 297 core is very broken to rubbly due to steep fracture / 297 → EOI core is intact, recy is good.
	2 9 8 6	3 0 7 6		2 1	4 D 0	14 ± 5 (5C$) 90:10
						Dominate unit is a light grey, sulphide banded, very hard, noncalcareous qtzite. S= banding is generally < 1 cm thick and is // to Sz. Banding contains fine subhedral py, reddish brown sph + fine interstitial grey qtz. Sz surfaces are dominately pale grey qtz with local pale green chlorite patches. Sph becomes locally more abundant within S= bands in periodic intervals generally < 1' thick.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Paper thin carbonaceous folia are locally developed from 304.5 → 305.5. $S^{=}$ banding is 20% of rock volume. Py > Sph. Est Pb+Zn 7-8%.
						Interbanded w this unit is a pale green & tan (soft), dolomitic, chloritic phyllite. Largest band is 0.8' thick. Locally it contains spotty blue-green "fuchsite". Also locally contains large, round pegmatitic qtz up to 1.5 cm across.
						Core slightly broken to intact. Recovery is good
L	131076	131171		212	14A14	±
						Hard, black to locally dark grey, noncalcareous, ribbon-banded, carbonaceous phyllite. Thin $S^{=}$ bands define both S1 and S2. Banding dominantly sphal w/ lesser fine & coarse grained, subhedral py. S2 surfaces are dark carbon. blebs & become lighter as go down DH. Banding represents 20% of rock volume. Estimated grade 12% (Pb+Zn). Unit slightly broken along S2 surfaces. Recovery is good.
L	131171	132150		213	15B162	19
						Med to dk grey, mod. hard, CS2 foliated, slightly siliceous, slightly carbonaceous, noncalcareous phyllite. Contains thin qtz-$S^{=}$ laminae which locally define microlithons. Laminae contain mainly qtz, lesser py, and minor fine sphal. S2 surfaces are shiny, med. grey. Total $S^{=}$ 10%, grade 2-3% (Pb+Zn).
						Core mod. broken / locally rubbly @ 324.3'-324.7'. Recovery good

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CURRAGH RESOURCES INC.

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	13250	13267		124	14A14	
						Exactly the same as Unit # 22 (307.6 - 317.1) except red sphal less abundant in S= bands, S2 surfaces carbon black & strongly mark fingers. Total S= 12% w/ py > sphal. Grade 6-8% (Pb+Zn). Core intact w/ good recovery
L	13267	13310	1	125	15B16 2	→ (5A6) 50:50
						Top ½ of unit is med grey, locally CS2-foliated, mod. soft, mod. carbonaceous phyllite. S2 surfaces are med. steely grey. Noncalcareous. S2 surfaces get darker as go down hole.
						Bottom ½ is black, mainly PS2 foliated, mod. soft, noncalcareous, carbonaceous phyllite. S2 surfaces are dull dk grey to black & mark the fingers.
						At 227.3' is 2" thick foliform white qtz vein
						Core intact to mod. broken in last 8" of unit. Recovery good
L	13310	13378		126	14A10	± 3 (5C4 & minor) (4D0) 85:10:05
						Dk grey to black, noncalcareous, locally pyritic, ribbon-banded gtzite. Unit thinly to locally thickly banded; banding ranges from < 1cm - 15cm. Bands consist of fine py w/ some interstitial grey qtz & minor reddish brown sphal. S2 surfaces are carbon black. Total S= 30% dominantly py. Grade 5% (Pb+Zn).
						Interbanded w/ gtzite is very soft, locally punky, tannish pale green metabasite. Bright green spots are "fuchsite". Locally unit very porous due to weathering of dolomite. Dolomite disseminated throughout matrix. Vague thin chlorite laminae are defined by bright green & pale green streaks / folia. Marginal contacts sharp and parallel S2.
						Adjacent to metabasite 4A is bleached to dull brownish grey, hard, punky banded,

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						noncalcareous qtzite. Like 4A only carbonaceous folia absent. Contains paper thin, pale green muscovite-chlorite folia. Total S= ≈20%. Estimated grade 6% (Pb+Zn). Selvages are 4-5 inches thick.
						TOI-332 core mod. brkn. Local rubble @ 330.7 (4" in metabasite) recovery OK // 332-333 very brkn to rubbly due to fracturing recovery ok // 333-337 slightly brkn w/ good recovery // 337-EOI very brkn to rubbly due to fracturing recovery good. No obvious faults
L	3378	3420		27	4A4	±3
						Very hard, dk grey to black & yellowish-brown, ribbon banded, noncalcareous, carbonaceous qtzite. Ribbon-banding defined by abundant reddish brn sphal + fine-grained py. Sphal dominant in bands in top 2' & py dominant in bottom 2'. Banding ranges from 2-3 mm to 10-12 cm in thickness. S2 surfaces are shiny black & only mod. mark fingers. Ribbon banding defines a PS2 fltn. Qtzite between ribbon banding locally shows microlithons defined by grey-white qtz laminae. Total S= 30-35%. Grade 15% (Pb+Zn).
						Core intact to locally slightly brkn in bottom 1.5' (due to local fracturing) Recovery OK.
L	3420	3460		28	5B6	±1 (4A43) 70:30
						Mod. soft, noncalcareous, light grey phyllite. S2 surfaces are med. dull grey. Locally unit contains thin grey qtz laminae parallel S2 less than 0.5 cm thick. Commonly qtz laminae have fine py infilling fractures. 5B occurs as 1'-1.5' selvages to a very hard, med grey & brassy brown, mod. carbonaceous, noncalcareous qtzite. Ribbon-banding defined by fine & coarse grained py,

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1	10 14	16 20	22 24	26 28	30 34	35
						fine reddish-brown sphal + interstitial grey gtk. locally ribbon-banding is disrupted due to ductility contrast between 5= bands & gtk. Total 5= 30-35%. Grade 6-7% (Pb+Zn). 52 surfaces are shiny black & mod. mark fingers.
						TOI- 343 very broken // 343-EOI intact Recovery is good
L	131416 0	131607		219	151B16	(4D4) TRACE (1029) TRACE
						Mod. soft, noncalcareous, dominantly PS2 foliated, med to light grey phyllite 52 surfaces are med shiny grey. At 348.5' and 349.1' are 2" thick bands parallel 52 of light greyish-brown, hard, 5=-banded gtk. Banding diffuse & consists of fine red-brn sphal w/ minor py. Contact @ 351.2' and 352.' are highly fractured, 4" thick, white pegmatitic gtk veins. Fractures contain both foliated soft phyllite and splashy py+ga in thick & thin fractures
						TOI- 347 very broken & rubbly w/ incipient gouge along steep fracture 14° C.A. Gouge also contains angular fragments of 4D gtk.
						347-348.5 very broken w/ minor gouge in thin ½" intvls // 52.
						348.5-350 slightly broken.
						350 - 352 very broken & rubbly gouge zone 350.2 - 351.0 grey powdery gouge w/ abundant grey phyllite fragments gouge // 52.
						352 - EOI mod. broken / locally very broken w/ 7" intvl centred @ 356.1'
						Recovery is good for entire unit
L	131607	131650		310	101019	I 9 minor (5B6) TRACE
						Noncalcareous, white pegmatitic bull gtk vein. Top 4" has fine fractures containing gal, sphal, po, py. Bottom 1" is soft, noncalcareous, light grey phyllite.
						TOI- 362.7 slightly broken / 362.7- EOI rubble. Recovery OK.

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1	10 14	16 20	22 24	26 28	30 34	35
L	131615 0	131617 9		131	1A1A1	
						Dk grey, hard, highly fractured, ribbon-banded carbonaceous gtzite. S2 surfaces are carbon black. Ribbon-banding highly disrupted by abundant thin fractures. Banding consists of equal fine red sphal + coarse and fine py. Locally core porous due to carbonate weathering out of fractures. Total S= 20%. Grade 7-8% (Pb+Zn). Core intact w/ good recovery.
L	131617 9	131713 3		132	1D1D1	
						light grey, very hard, S=-banded, noncalcareous gtzite. S=-banding generally 4-1cm thick & contains fine + coarse py, fine red-brn sphal, interstitial grey gtz. S2 surfaces gtz grey w/ patches of greenish grey muscovite. Banding mainly parallel S2. Total S= 20-25% w/ py > sphal. Grade 6-7% (Pb+Zn). TOI - 369.3 core intact // 369.3 - 370 very broken to rubbly due to fracturing // 370 - 372 intact // 372 - EOI very broken due to fractures. Recovery good for entire unit.
L	131713 3	131817 3		133	1A1A1A	
						Black and reddish-brown striped, hard, noncalcareous, sphalerite-banded, carbonaceous gtzite. Banding defined by abundant reddish brn sphal w/ lesser, fine, subbedded py porphs. Banding ranges from 0.5cm to 20cm in thickness. Banding constitutes 30% of rock volume. Sphal >> py. S2 surfaces are shiny black & only slightly mark fingers. Core more prone to break on fractures rather than carbonaceous folia. Grade 22% (Pb+Zn). Total S= 30%. Core mod. broken to locally very broken on steep fractures. Recovery excellent. No obvious faults.

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1	10 14	16 20	22 24	26 28	30 34	35
L	13181 7	13192 7		1314	14D15	(5D4 $ minor) 50:50
						1.5' interbanded intervals of 5= banding qtzites and soft, pale green, homogeneous chlorite-muscovite phyllites
						4D is hard, noncalcareous, light to med grey qtzite. Local development of carbonaceous folia 5= banding generally < 1cm thick w/ fine + coarse py, red-brn xpkel + interstitial grey qtz. Banding // S2, S2 surfaces range from qtz grey to dk grey Total 5= 30% mainly py Grade 7% (Pb+Zn)
						5D bands have sharp contacts w/ qtzite. Soft, dolomitic, S2 surfaces pale olive green w/ local sparkly bright green "fuchsite"
						Core intact to slightly broken, recovery good
L	13192 7	13197 0		1315	15D14 $	minor
						Same 5D as recorded for (387-392). Locally very minor qtz-py laminae parallel S2. locally deep groove scars probably due to dolomite weathering
						At 396.5' 2" qtz-py band.
						Core mod broken w/ good recovery
L	13970	14010 0		1316	14A14	± 7
						Very hard, dk grey to black, noncalcareous, ribbon-banded, carbonaceous qtzite. S2 surfaces shiny black & mark fingers. Ribbon-banding is thin - generally < 0.5 cm and is locally folded by S2. Bottom 4" of unit has local diffuse "flowing" band of massive po Band about 1cm thick & flows around subangular qtz clasts. Clasts average 0.5 cm across.
						Unit ends abruptly against a fault. Total 5= 25-30%, dominantly py Grade 7% (Pb+Zn).
						Core mod. broken to locally v. broken @ 398.2 1" black gouge parallel S2.

Recovery good.

DDH 87G-10
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 8/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	4010 0	4110 0		37	5A61	
						Dk grey to black, PS2-foliated, noncalcareous, mod. soft carbonaceous phyllite.
						S2 surfaces range from med grey to carbon black. Carbon content
						increases down ddh. Contains foliaform qtz veins @ 403 and 408 –
						1.5"–3" thick. Minor then folded light grey qtz siltstone bands <
						3mm thick.
						TOI - 401.5 soft, punky phyllite gouge containing small angular fragments
						of phyllite & larger angular fragments of qtzite. Qtzite fragments contain fine
						pyr. Upper gouge contact ∥ S2. Lower contact lost in rubble.
						Core is rubbly in gouge zone.
						401.5 - EOI mod. brkn w/ local very brkn & poker chippy
						Recovery complete
						EOH

DDH 87G-10 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVK/LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14	16 20	22 26	28 30	32 34	36 40	42
	1/16191	1/17154				5TA61119	
	1/17154	1/17176				4D131	
	1/17176	1/18155				5TC1$1	
	1/18155	1/18183				10IQ191	
	1/18183	1/19120				5TC1$1	
	1/19120	1/19142				4IE11	
	1/19142	1/19170				5TC1$1	
	1/19170	1/19198				4D4141	
	1/19198	12013 4				4D4141	
	12013 4	12015 9				5D141$1	(4CO)
	12015 9	12110 5				4D141	
	12110 5	12114 6				4D141	
	12114 6	12118 8				4D141	
	12118 8	12123 5				4D141	
	12123 5	12127 7				4D141	
	12127 7	12132 0				4D141	
	12132 0	12136 4				4D141	
	12136 4	12141 0 6				5TC1$1	
	12141 0 6	12144 0				4D141	
	12144 0	12147 8				4D141I15	
	12147 8	12152 0				5TC1$1	
	12152 0	12156 0				4D41	(5C$)
	12156 0	12161 0 1				4IA10	(5C$)
	12161 0 1	12176 0				5TC1$1	
	12176 0	12179 1				4IA1C141	
	12179 1	12181 0 6				5TA61IA	
	12181 0 6	12181 5 0				5TA61119	
	12181 5 0	12181 9 5				5TAG119	
	12181 9 5	12193 2				5TAG119	
	12193 2	12191 8 6				4IE141	
	12191 8 6	13101 3 1				4ID101	
	13101 3 1	13101 7 6				4ID101	
	13101 7 6	13111 2 6				4IA141	
	13111 2 6	13111 7 1				4IA41	
	13111 7 1	13121 1 2				5TB61211	9
	13121 1 2	13121 5 0				5TB61211	9

DDH 87G-10 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR/LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 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
	13215.0	13216.7				4A4	
	13216.7	13301				5B612	→ (5A6)
	13301	13314.2				4AD	(5C4')
	13314.2	13317.8				4A0	
	13317.8	13412.0				4A4	
	13412.0	13460				4A4131	(5B6)
	13615.0	13617.9				4A4	
	13617.9	13713.3				4D0	
	13713.3	13781				4A4'4'	
	13781	13812.7				4A4'4'	
	13812.7	13817.3				4A4'4'	
	13817.3	13912.7				4D5	(5D4')
	13912.7	13970				5D4'	
	13970	14000				4A4	
							EOH

C.R.I. 1987 E-5

DDH 87G-10 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by SVK/LSP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 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
51.5	✓	1/16/19 1	1/17/15 4	3 10 15 14 12	16 3	15 6	5TA6 1 1 9	✓ .9 / 1.7
53.5	✓	1/17/15 4	1/17/17 6	3 10 15 14 13	12 2	12 3	4 1D 13 1	✓ .7 / 1.7
54.1	✓	1/17/17 6	1/18/15 5	3 10 15 14 14	17 9	18 8	5TC1$1 1	✓ 2.4 / 2.7
56.5	✓	1/18/15 5	1/18/18 3	3 10 15 14 15	12 8	14 5	1 10 Q 19 1	✓ .9 / 1.4
57.4	✓	1/18/18 3	1/19/20	3 10 15 14 16	13 7	13 2	5TC1$1 1	✓ 1.1 / 1.0
58.5	✓	1/19/20	1/19/14 2	3 10 15 14 17	12 2	12 1	4 1E 1 1	✓ .7 / .6
59.2	✓	1/19/14 2	1/19/17 0	3 10 15 14 18	12 8	13 5	5TC1$1 1	✓ .9 / 1.1
60.0	✓	1/19/17 0	1/19/19 8	3 10 15 14 19	12 8	12 8	4 1D 4 1 4 1	✓ .9 / .9
60.9	✓	1/19/19 8	1/20/13 4	3 10 15 15 10	13 6	14 3	4 1D 4 1 4 1	✓ 1.1 / 1.3
62.0	✓	1/20/13 4	1/20/15 9	3 10 1 1 0 1	12 5	12 8	5 1D 4 1 $1	✓ (4CO) .8 / .9
62.8	✓	1/20/15 9	1/21/10 5	3 10 1 1 0 12	14 6	14 5	4 1D 4 1 1	✓ 1.4 / 1.4
64.2	✓	1/21/10 5	1/21/14 6	3 10 1 1 0 13	14 1	14 8	4 1D 4 1 1	✓ 1.2 / 1.5
65.4	✓	1/21/14 6	1/21/18 8	3 10 1 1 0 14	14 2	14 8	4 1D 4 1 1	✓ 1.3 / 1.5
66.7	✓	1/21/18 8	1/22/13 5	3 10 1 1 0 15	14 7	15 2	4 1D 4 1 1	✓ 1.4 / 1.6
68.1	✓	1/22/13 5	1/22/17 7	3 10 1 1 0 16	14 2	14 4	4 1D 4 1 1	✓ 1.3 / 1.3
69.4	✓	1/22/17 7	1/23/12 0	3 10 1 1 0 17	14 3	15 1	4 1D 4 1 1	✓ 1.3 / 1.6
70.7	✓	1/23/12 0	1/23/16 4	3 10 1 1 0 18	14 4	14 1	4 1D 4 1 1	✓ 1.3 / 1.2
72.1	✓	1/23/16 4	1/24/10 6	3 10 1 1 0 19	14 2	15 1	5TC1$1 1	✓ 1.3 / 1.6
73.3	✓	1/24/10 6	1/24/14 0	3 10 1 1 1 10	13 4	14 4	4 1D 4 1 1	✓ 1.0 / 1.3
74.4	✓	1/24/14 0	1/24/17 8	3 10 1 1 1 11	13 8	14 0	4D 4 1 E 5	✓ 1.2 / 1.2
75.5	✓	1/24/17 8	1/25/12 0	3 10 1 1 1 12	14 2	15 0	5TC1$1 1	✓ 1.3 / 1.5
76.8	✓	1/25/12 0	1/25/16 0	3 10 1 1 1 13	14 0	14 5	4D 4 1 1	✓ (5C$) 1.2 / 1.4
78.0	✓	1/25/16 0	1/26/10 1	3 10 1 1 1 14	14 1	14 2	4 1A 1 Q 1	✓ (5C$) 1.2 / 1.3
79.3	✓	1/26/10 1	1/27/16 0	3 10 1 1 1 15	11 5 9	11 7 8	5TC1$1 1	✓ 4.8 / 5.4
84.1	✓	1/27/16 0	1/27/19 1	3 10 1 1 1 16	13 1	13 4	4 1A 1C 1 4 1	✓ .9 / 1.0
85.1	✓	1/27/19 1	1/28/10 6	3 10 1 1 1 17	11 5	11 9	5TA6 1 1 A	✓ .5 / .6
85.5	✓	1/28/10 6	1/28/15 0	3 10 1 1 1 18	14 4	14 9	5TA1 6 1 1 9	✓ 1.3 / 1.5
86.9	✓	1/28/15 0	1/28/19 5	3 10 1 1 1 19	14 5	15 0	5TA6 1 1 9	✓ 1.4 / 1.5
88.2	✓	1/28/19 5	1/29/13 2	3 10 1 1 2 10	13 7	14 9	5TA6 1 1 9	✓ ~~6.8 / 9.0~~ 1.1 / 1.5
89.4	✓	1/29/13 2	1/29/18 6	3 10 1 1 2 11	15 3	15 6	4 1E 1 1	✓ ~~9.7 / 10.2~~ 1.6 / 1.7
91.0	✓	1/29/18 6	1/30/13 1	3 10 1 1 2 12	14 5	15 2	4 1D 1 0 1	✓ ~~8.2 / 9.5~~ 1.4 / 1.6
92.4	✓	1/30/13 1	1/30/17 6	3 10 1 1 2 13	14 5	15 2	4 1D 1 0 1	✓ ~~8.2 / 9.5~~ 1.4 / 1.6
93.8	✓	1/30/17 6	1/31/12 6	3 10 1 1 2 14	15 0	15 3	4 1A 1 4 1	✓ ~~9.1 / 9.7~~ 1.5 / 1.6
95.3	✓	1/31/12 6	1/31/17 1	3 10 1 1 2 15	14 5	15 3	4 1A 1 4 1	✓ ~~8.2 / 9.7~~ 1.4 / 1.6
96.7	✓	1/31/17 1	1/32/11 2	3 10 1 1 2 16	14 1	14 3	5TB1 6 1 2 1 1 9	✓ ~~7.5 / 7.9~~ 1.2 / 1.3
97.9	✓	1/32/11 2	1/32/15 0	3 10 1 1 2 17	13 8	14 4	5TB1 6 1 2 1 1 9	✓ ~~6.9 / 8.0~~ 1.2 / 1.3

DDH B76-10 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR/LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 Sampled by ____

	CODE	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
99.1	✓	13215 0	13216 7	3101 1218	17	11	4A4 1	3.1 / ~~2.6~~ ✓.5 / .4
99.6	✓	13216 7	13310 1	3011 2R19	134	139	5B6Z1	→ (5A6) ~~14.0~~ / ~~17.4~~ 1.0 / 1.2
100.6	✓	13310 1	13314 2	3101 1310	141	149	4A4D 1	(5C4$) ~~1.9~~ 1.2 / 1.5
101.9	✓	13314 2	13317 8	3101 1311	136	145	4A4D1 1	✓ 1.1 / 1.4
103		13317 8	13412 0	3101 1312	142	143	4A4A1 1	✓ 1.3 / 1.3
104.2	✓	13412 0	13416 6	3101 1313	140	146	4A4A31	(5B6) ✓ 1.2 / 1.4
111.3	✓	13615 0	13617 9	3101 1314	129	137	4A4A1 1	✓ .9 / 1.1
112.1	✓	13617 9	13713 3	3101 1315	134	163	4D4D1 1	✓ 1.0 / 1.9
113.8	✓	13713 3	13718 1	3101 1316	148	152	4A4A4A1	✓ 1.5 / 1.6
115.2	✓	13718 1	13812 7	3101 1317	146	152	4A4A4A1	✓ 1.4 / 1.6
116.6	✓	13812 7	13817 3	3101 1318	146	152	4A4A4A1	✓ 1.4 / 1.6
118.0	✓	13817 3	13912 7	3101 1319	154	165	4D4D5 1	✓ (5D4$) 1.6 / 2.0
119.7	✓	13912 7	13917 0	3101 1410	143	153	5D4A1$1	✓ 1.3 / 1.6
121.0	✓	13917 0	14000	3101 1411	130	131	4A4A1 1	✓ .9 / .9
								EOH

DDH 87G-10 (2–8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVK/LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 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
	1691	1754	30ST42	63	56	5A6119	
	1754	1776	30ST43	22	23	4D3	2.3
	1776	1855	30ST44	79	88	5C$	
	1855	1883	30ST45	28	45	10Q9	
	1883	1920	30ST46	37	32	5C$	
	1920	1942	30ST47	22	21	4E1	
	1942	1970	30ST48	28	35	5C$	
	1970	1998	30ST49	28	28	4D44	
	1998	2034	30ST50	36	43	4D44	
	2034	2059	30101	25	28	5D4$	(4C0)
	2059	2105	30102	46	45	4D4	
	2105	2146	30103	41	48	4D4	
	2146	2188	30104	42	48	4D4	
	2188	2235	30105	47	52	4D4	
	2235	2277	30106	42	44	4D4	
	2277	2320	30107	43	51	4D4	
	2320	2364	30108	44	47	4D4	
	2364	2406	30109	42	57	5C$	
	2406	2440	30110	34	44	4D4	
	2440	2478	30111	38	40	4D4I5	
	2478	2520	30112	42	50	5C$	
	2520	2560	30113	40	45	4D4	(5C$)
	2560	2601	30114	41	42	4A0	(5C$)
	2601	2760	30115	159	178	5C$	
	2760	2791	30116	31	37	4AC4	3.4
	2791	2806	30117	15	19	5A6119	
	2806	2850	30118	44	49	5A6119	
	2850	2895	30119	45	50	5A6119	
	2895	2932	30120	37	49	5A6119	
	2932	2986	30121	53	56	4E4	
	2986	3031	30122	45	52	4D0	
	3031	3076	30123	45	52	4D0	
	3076	3126	30124	50	53	4A4	
	3126	3171	30125	45	53	4A4	
	3171	3212	30126	41	43	5B6219	
	3212	3250	30127	38	44	5B6219	

DDH 87G-10 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR/LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 … 14	16 … 20	22 … 26	28 … 30	32 … 34	36 … 40	42
	13150	13167	301128	17	14	41A141	
	13167	13301	301129	34	39	5TB6121	-> (5A6)
	13301	13314	301130	41	49	41AID1	(5C47)
	13314	13378	30131	36	45	41A101	
	13378	13420	301132	42	43	41A141	
	13420	13466	301133	40	46	41A14131	(5B6)
			1981A1				
	13650	13679	301134	29	37	41A141	
	13679	13733	301135	34	65	41D101	
	13733	13781	301136	48	52	41A1414	
	13781	13827	301137	46	52	41A1414	
	13827	13873	301138	46	52	41A1414	
	13873	13927	301139	54	65	41D151	(5D4$)
	13927	13970	301140	43	53	5D141$1	
	13970	14000	301141	30	31	41A41	
							EOH

DDH 876-10 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Dec 8/87 Logged By: CVR/LCP

Code	From	To	Feature	Sym	S_0 Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10 14	16 20	22 24	26	28	32	34	38	40	44	
S		1350	CS2				39	000	65		qtz-cc laminae in 5D
S		1520	PS2						70		micaceous fltn in 5D
S		1665	PS2						62		micaceous fltn
S		1790	CS2				20	000	57		chlorite streaks in 5C
S		2025	CS2				31	000	61		sphal. banding in 4D44
S		2240	CS2				34	000	64		comp. banding in 4D4
S		2335	CS2				26	000	74		comp. banding in 4D
S		2530	CS2				20	000	61		comp. banding in 4D
S		2640	CS2				34	270	71		chlorite laminae in 5C
S		2860	PS2						50		intul looks distorted - fltn in 5A
S		3140	CS2				36	350	68		ribbon banding in 4A
S		3260	CS2				14	270	76		ribbon banding in 4A
S		3390	CS2				33	000	58		ribbon banding in 4A
S		3660	CS2				05	000	71		ribbon banding in 4A
S		3830	CS2				23	000	46		comp. banding in 4A
S		3895	PS2						55		comp. banding in 4D + mica fltn in 5D
S			PS2						57		micaceous fltn in 5A
											EOH

PROJECT _____ DRILLHOLE NO. 876-10 COORDINATES: N _____ DATE Dec 8 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° 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.	
120		0		0													Triaxial
123		2.5		0													
127		4.9		0													
132		5.1		0.8													
135		3.5		0													
140		4.7		0.9													
142.5		2.9		0													
147.5		5.3		0.9													
151		2.9		0													
156		5.0		2.1													
158		1.4		0													
162		4.5		0													
164		2.8		0													
169		4.6		0.4													
172		2.7		1.9													
177		5.1		3.0													
182		5.3		2.4													
187		6.0		1.4													spread out
192		4.0		0.8													
197		5.3		1.9													
202		5.1		3.7													
203		1.1		1.0													
208		5.2		2.5													
212		3.9		2.7													
217		5.2		4.9													
222		5.2		3.2													
227		5.2		3.0													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 876-10 COORDINATES: N _____ DATE Dec 8 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° 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.	
232		5.0		4.6													
237		5.2		3.4													
242		5.4		0.4													
247		5.4		2.8													
252		5.5		1.6													
257		5.2		3.4													
262		5.0		3.4													
267		5.2		3.7													
272		5.0		4.5													
277		5.3		2.5													
282		5.0		3.9													
287		5.4		3.2													
292		5.1		2.4													
297		5.8		2.5													
302		5.2		2.4													
307		5.3		3.5													
312		5.1		1.3													
317		5.2		1.8													
322		5.2		0.4													
327		5.3		1.7													
332		5.2		1.7													
337		5.7		2.2													
342		5.0		2.2													
347		5.8		1.4													
352		5.2		0.5													
357		5.4		2.0													
362		5.5		1.9													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. B76-10 COORDINATES: N _____ DATE Dec 8 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° 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.	
365		3.4		0.4													
370		5.5		3.0													
375		5.5		3.5													
380		5.2		0.9													
385		5.3		2.0													
390		5.4		1.9													
395		5.4		1.4													
400		5.0		1.4													
405		4.8		0.4													
410		5.5		0.8													
						EOH											

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 876-11

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum deposit

Claim: _____

Terr.Plane Co-ords.: 6905164.09 N

592378.40 E

Grid Co-ords: 76W /

Elevation: 1300.96

All symmetry determinations looking

Total Depth: _____

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: _____

Reason hole Terminated: _____

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: Arctic Diamond Drilling

CORE Size	From	To
NQ	0	129
NQ	129	351

Collar Cased and Capped: ____

Hole Cemented: _____ Steel down Hole: _____

Assay Lab: _____

Certificate No's: _____

Started: Nov 15/87 Completed: Nov 17/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-11 (2–8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2–8	10–16	17–24	25–32	34–39	41–42	
T	87G-11	13011.0	9051641.1	592378.4		S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2–8	10–14	22–26	28–32	34–56
R	87G-11	0	180.0	0.0	AT COLLAR
R	87G-11	3380	178.0	036.0	
R			.	.	
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Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2–8	10–56

DDH 87G-11 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 10/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	10 0	1219 0		1	#1	Tricones - no recovery
L	1219 0	1310 0		12	#1	TILL 4 pieces of re-drilled, muscovite-biotite granite 10AB. Boulders from till; no mud matrix preserved. 0.5' core recovered.
L	1310 0	1313 5		13	15A16	weathered Mod. soft, dark grey & orange-rust, noncalcareous, highly weathered & fissile phyllite. Orange-rust weathering abundant & noted on both cut and broken surfaces. More competent pieces show CS2 clays. Core extremely broken and rubbly. Recovered 2.9' for interval (and core locally is ground out)
L	1313 5	1617 6		14	14A14	(5D4$) TRACE Highly fractured, hard, noncalcareous, dk grey to locally black, ribbon-banded, carbonaceous qtzite. Fresh S2 surfaces are shiny black & strongly mark the fingers. Ribbon-banding defined by dominant fine py, lesser sphal, & interstitial grey qtz. Banding parallel both S1 and S2. Weathered on fracture surfaces ranges from yellowish creamy greens to orange red rust. Only minor oxidation patchily developed on cut surface. Locally fractures are gouges presumably due to dissolved carbonate? Total S= 20-25%. Grade 7-8% (Pb+Zn). At 157' is thin 2" band of pale green, slightly dolomitic, altered chloritic phyllite. Contacts are parallel S2. TOI - 135.5 core very broken / recovery OK. 135.5 - 141 core is rubble / only 2' recovered. Gouge mixed w/ rubble @ 141. 141 - 150.2 core very broken to rubbly / 7.5' recovered. Core loss & rubble related to abundant fracturing. 150.2 - EOI mod. to very broken / rubble zone @ 164.2 assoc. w/ pegmatites.

DDH B.7.G-1.1
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 10/87 Logged By: QWR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						qtz vein / recovery is fine.
	11617 6	11711 0		15	14A	GOUGE
						Black, soft gouge, consisting of very small angular fragments of gtzite in a soft black mud. Abundant very fine scattered py porphs present. Gouge is noncalcareous.
						Upper contact - slickensides on 4A 39/330 Slickensides rake across surface @ 90° (horizontal relative to core axis). Bottom contact is against metabasite gouge.
						Lost about 1' core in unit. Core is moderately intact mud
L	11711 0	11778		16	15C14$	(HDO porous, moderately weathered) 60:40
						Mod. soft, pale olive green, mod. dolomitic, altered chloritic phyllite. Abundant bright green "fuchsite" forms thin vague laminae and patches on S2 surfaces and fracture surfaces. S2 surfaces very dull tannish olive green w/ bright green "fuchsite" spots. Dolomite occurs throughout the matrix.
						Interbanded w/ 5C is hard, highly fractured, whitish grey, porous, 5= banded gtzite. Banding is very thin & diffuse; it consists of fine py, fine red-brown sphal, and galena. Typically 5= have been remobilized into abundant thin fractures. Fractures define deep scars & pores due to weathering of carbonates. Fracture surfaces weathered to dull yellow-orange crust.
						Total 5= 15% Estimated grade 8-9% (Pb+Zn).
						Metabasite bands range from 2" - 1.5' in thickness.
						TOI - 173.2 slightly broken to intact - top ½" is metabasite gouge / recovery OK
						173.2 - EOI very broken & locally rubbly 173.2 - 174 due to fractures in gtzite.

Recovery OK.

DDH 87G-11 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 10/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	117178	118700		17	SA6	GOUGE (SCHIST weathered) (HDO) 75:20:05
						Black, noncalcareous, flaky mud gouge. S2 surfaces in more competent intervals are carbon black & strongly mark fingers. Gouge contains scattered fragments of pegmatite white qtz. Mud. matrix contains local scattered fine py porphs.
						Interbanded w/ gouge is pale green & rusty-orange weathered, mod. soft, slightly dolomitic, altered metabasite. Bright green "fuchsite" is locally seen as small specks. Fractured & cut surfaces have abundant rust weathering coating. Contacts against black gouge are sharp. No orientations possible on gouge. Metabasite thinly laminated.
						Cored @ 183.7 is 0.5' band of light greyish brown, thinly S= banded, hard, noncalcareous qtzite. Dominant S= is sphal. Total S= 50% Estimated grade 9% (Pb+Zn).
						Core extremely broken & rubbly 1' core loss between 182-186.
L	118700	119100		18	MDM	±S slightly weathered
						Hard, light grey, highly fractured, noncalcareous qtzite. Abundant fine red sphal occurs in thick bands & very thin laminae. Bands range up to 4" across. Fine laminae define S1 and S2 cleavages. Sphal remobilized into abundant thin fractures 188.5-189.5 fracturing extensive enough to form incipient microbrx texture. Locally contains minor thin carbonaceous folia.
						Orange-yellow-rust weathering is primarily confined to fractures, weathering only very minor on cut surface. Fresh S2 surfaces qtz-grey w/ patchy shiny muscovite.
						Total S= 20-25% Sphal > py Estimated grade 12-13% (Pb+Zn).
						TOI - 188 rubble 188 - 189.6 intact } recovery good. 189.6 - EOI rubble

DDH 87G-11
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 10/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1190 0	1196 3		19	4E4	± 6 ± 1 minor (4D3) 95:05
						Mod. hard, noncalcareous, light yellowish brown, dominantly homogeneous, massive pyritic S= Locally unit slightly lighter-coloured due to more abundant fine grained qtz + barite dissem in matrix. Locally pyritic S= are porous due to weathering of carbonate (?) in matrix. Only minor patchy yellow-orange weathering seen on fractures. Grade 7-8% (Pb+Zn).
						Centred @ 192 is 0.8' band of brnish grey, hard, pyritic qtzite. Unit highly fractured w/ py infilling them fractures. Fine-py also in thick folded bands up to 2" thick Total S= 40% Grade 7-8% (Pb+Zn).
						locally has deep scars due to weathering of carbonates.
						TOI-192.8 extremely brken & locally rubbly on steep fractures. } recovery good.
						192.8-EOI mod. brken
L	1196 3	2103 7		10	5C4$	(4D0 ± 3) 95:05
						Soft, pale olive green & bright green striped, dolomitic, altered chloritic phyllite. Bright green "fuchsite" defines thin anastamosing laminae and occurs as spots on brken surfaces. Abundant dolomite occurs primarily in tannish green laminae & to a lesser amt. dissem. in matrix. Locally unit contains thin qtz-py stringers. S2 surfaces are pale olive green w/ bright green "fuchsite" spots.
						Interbanded are 2 4" bands of tannish grey & yellowish brown striped, hard, noncalcareous qtzite. S= banding dominantly ∥ S2 and consists of diffuse fine py-sphal-gal Selvages to bands are commonly thin pale tan musc laminae. Total S= 20-35% Grade 8-9% (Pb+Zn) Py > sphal Margins of unit parallel S2.
						Core extremely brken / recovery good / no obvious faults.

DDH 87G-11

CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec 10/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12037	12103		11	14D3	(4E4 ± 1 ± sandy) 80:20
						Hard, light whitish grey & yellow striped, noncalcareous, moderately pyritic qtzite. S= banding ranges in scale 0.5cm - 12cm. Bands dominantly parallel S2. Bands are fine & coarse py +/fine red-brn sphal. Banding constitutes 50% of rock volume. S2 surfaces are dull pk grey w/ patchy shiny tannish green muscovite. Grade 8% (Pb+Zn) Total S= 40% w/ py 30-35%.
						Intvl 205-206 is dk brown, S= sand Dominantly py
						Intvl 206.5-207.8 is hard, brassy yellow brown, mod. siliceous, pyritic S= Fine grey qtz occurs interstitially to py on margins of unit. Total py 75-80%. Grade 6% (Pb+Zn). Margins of intvl gradational into qtzite.
						Except for sandy py. core intact w/ good recovery
L	12103	12318		12	14D14	± 5 minor (5D4 @ ± $)
						Whitish grey, hard, noncalcareous, S= banded qtzite. S= bands dominantly <1cm thick and is parallel S2 - it only locally defines an S1. Py - sphal ratio in bands is variable. For top 5' py dominant, next 5' sphal dominant, remainder py = sphal S= bands form 10-30% of rock volume. Locally core grooves along steep fractures. Fracture surfaces locally have greenish tan weathering surface coating locally abundant thin fractures infilled w/ red sphal & lesser py S2 surfaces pk grey & locally have shiny, tan muscovite patches Total grade 10% (Pb+Zn) Total S= 10-30%
						At 222.6-225.2 soft, homogeneous, pale olive green, slightly anhedritic, altered chlorite phyllite. S2 surfaces very pale greyish olive green. local qtz-py sheaks parallel S2. Marginal contacts // S2.
						At 237.1 soft, pale green & bright green striped, altered chloritic phyllite. Contains

DDH 87G-11 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 10/87 Logged By: CVR/LGO

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						minor dolomite disseminations in matrix. S2 surfaces pale olive green w/ abundant bright green "fuchsite" spots. Only 4" thick. Margins parallel S2. Core intact except for very broken intervals for short stretches along fractures. Recovery excellent.
L	121384	121536		113	14A14	
						Very hard, dk grey to black, noncalcareous, ribbon-banded, carbonaceous gtzite. Ribbon-banding consists of dominant fine py & lesser reddish brn sphal; bands define both S1 and S2 cleavages. Ribbon-banding has abundant light grey qtz interstitial to S1. S2 surfaces shiny carbon black & strongly mark fingers. At 247.7 - EOI unit highly fractured and locally brecciated. Bxa consists of large subangular clasts which are rotated & displaced pieces of 4A qtz-S1 banding. Interstitial to fragments is dk grey to black, fine-grained, carbonaceous gtzite; locally matrix contains isolated subbedded py porphs. As go down hole clasts are not moved very far from original locations. Dominant fracture 20/000. Minor qtz-fragmented gouge locally in bxa zone.
						Total S1 = 25% Py >> sphal. Grade 8% (Pb+Zn)
						TOI - 247.7 mod broken, locally v. broken on fractures
						247.7 - EOI very broken & locally rubbly. Note gouges in above description.
						Core recovery for unit is excellent.
L	121536	121569		114	14A14	→ (HCS) 70:30
						Md to dk grey, hard, noncalcareous, ribbon-banded, carbonaceous gtzite. Similar to last Unit (238.4 - 253.6) except contains less py and is slightly lighter grey. S1 banding is thin / generally < 0.5 cm and defines both S1 and S2. S2 surfaces md to dk grey & only slightly mark fingers. Total S1 = 15-20%

DDH 87G-11 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 10/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sphal = py. Grade 7% (Pb+Zn)
						Core mod. brken w/ good recovery.
						last 1' carbonaceous folia are lighter grey approaches 4C5
L	12516 9	12519 1		115	15B16	± 2 ± 1 ± 9 minor
						Mod. soft to locally hard, C52 foliated, noncalcareous, locally moderately carbonaceous phyllite. Top 1' is very light pale grey, w/ shiny silvery grey S2 surfaces and only very local isolated py porphs. As go down dh grades quickly into dk grey & locally black, mod. siliceous, carbonaceous phyllite. S2 surfaces are shiny dark grey & occurs in thin qtz ± py siltstone laminae parallel S1 & forming microlithons.
						Core mod. brken w/ good recovery Siliceous modifier to indicate abundant siltstone laminae.
L	12519 1	12611 5		116	14C10	
						Whitish tan & brassy yellow striped, very hard, S1-banded qtzite. S1 banding ~ 1cm thick and consists dominantly of fine & coarse py w/ interstitial grey qtz & locally minor sphal-gal Banding dominantly parallel S2. S2 surfaces dull qtz grey w/ silvery tan-grey patchy muscovite. Total S1 25% py >> sphal. Grade 4-5% (Pb+Zn)
						Core mod. brken to slightly brken w/ good recovery
L	12611 5	12636		117	W15141	S3 (4EW15) 70:30
						Reddish brown, homogeneous, massive sphal w/ finely dissem py, fine dk grey qtz specks. Scattered through are rounded clasts of white pegmatitic qtz-feldspar clast 3cm diameter. Local clasts of 4A w/ carbonaceous folia up to 3cm across. Top 0.5' is homogeneous, massive pyritic S1 which locally contains thin, discontinuous, carbonaceous folia. Intvl contains less sphal.

DDH 87G-11
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 10/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						in matrix than 4S - gives it an overall brassy yellow appearance. Contains very elongate clasts of carbonaceous 4A qtzite. Clasts orientated so elongated parallel S2.
						Grade entire unit 25% (Pb+Zn).
						Reminds Lee of thick version of pyritic S= bands which commonly "flood" 4A to form 4A34.
						Core intact w/ good recovery.
L	2636	2669		18	4E05	1 (4A4) 90:10 [4A30]
						Very hard, brassy yellow to brnish grey, poorly banded, mod. siliceous, noncalcareous, massive pyritic S= Banding defined by thin discontinuous carbonaceous qtzite streaks which occur dominantly in top 6" of unit. Streaks become wider spaced & more continuous going down unit. S2 carbonaceous surfaces are black. Qtz dissem throughout as disseminated fine grey specks. Bottom 6" is black, PS2-banded, mod. hard, carbonaceous qtzite. S2 surfaces are carbon black. Ribbon-banding consists of equal py + sphal w/ interstitial grey qtz.
						Total S= 15-20% py > sphal Grade 6-7% only for bottom 6"
						Total py in 4E051 ≈ 75% Remainder is qtz + carbon + minor base metal Est Pb+Zn ≈ 5%. Core is intact → locally slightly broken. Recvy is good
L	2669	2718		19	5B6	± 2 (4D5) 75:25.
						Dominate unit is a moderately soft, CS2 foliated, light grey noncalcareous locally moderately carbonaceous phyllite. S2 surfaces are light silvery-grey. Top 1' of unit contains local developement of paper thin

DDH 87G-11
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 10/87 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						carbonaceous folia. Unit contains abundant thin qtz ± fine py siltstone laminae which locally define microlithons. From 270.6 → EOI phyllite grades sharply into a hard, light whitish-grey, noncalcareous qtzite. Both units are separated by a 2" thick foliaform white pegmatitic qtz vein. Qtzite contains sulphide banding dominately consisting of fine grained py + reddish brown sph + interstitial grey qtz. Bands range from <1mm to 3cm thick + S= have commonly been remobilized from bands into thin fractures. Banding defines both S_1 + S_2 cleavages. total S= ≈ 25% Py > sph. Est Pb+Zn ≈ 7% (for 4D5 only) Unit contains minor paper thin carbonaceous black folia. Core intact to locally slightly broken. Recry is good. No obvious faults.
L	271 8	279 7		20	4A443	(5D4 $) 80:20 [4E45] Dominate unit is a dark yellowish-brown + black, thickly banded, noncalcareous, moderately carbonaceous qtzite. Banding ranges up to 20 cm thick and contains abundant reddish brown sph mtx w̄ fine scattered py porphs. Locally, bands approach 'microbuckshot' texture and "flood out" 4A textures so that unit intermittently approaches a high grade massive S= with local clasts of 4A suspended in high grade sulphides. This texture is limited to bottom 3½' of the unit. Remaining unit contains less base metal + banding is 1cm thick on average. Centered at 273' and 274.2' are 6" and 10" respective bands of pale green + tan, moderately dolomitic, soft, altered chloritic phyllite. S_2 surfaces are pale olive green w̄ local shiny grey musc flakes. Margins are parrellel to S_2.

DDH 87G-11

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 10/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Total S= ≈ 50-60% Total Pb+Zn ≈ 18%. Core is slightly broken → intact. Recy is good.
L	2797	2889		21	5B64	(4A0±4) (5D4$) 50:30:20
						TOI → 280.5 is a hard, medium grey → black, noncalcareous ribbon banded carbonaceous qtzite. S_2 surfaces are dull black. Unit contains thin diffuse fine Py + Sph + Qtz bands generally < 1cm thick // to S_2. Total S= ≈ 20%. Py > Sph. Est Pb+Zn is 6%. Carbonaceous folia become less abundant + thus unit is lighter in top 4" selvage against 5B64.
						280.5 → 286.9 is a moderately soft, locally CS_2 foliated, noncalcareous light grey w̄ slight green tinge altered musc phyllite. S_2 surfaces are a light steely grey. Local scattered subhedral py. porphs are seen. Unit contains minor chlorite in thin laminations which give the unit a slight pale green hue. At 186.5' and 186' there are 2" thick light grey w̄ green tinge phyllite mud gouge. Gouge intervals have margins // to S_2. Contained within this unit, centered at 283 is a 8" thick moderately soft homogeneous pale olive green, moderately dolomitic altered chloritic phyllite. Locally, bright green "fuchsite" spots are visible. Unit is finely laminated in shades of pale olive green + tan. Dolomite is dess- throughout. Margins of this unit are // to S_2.
						286.9 → 288.4 is the same unit as TOI → 280.5. Hard, dark grey → black, noncalcareous, carbonaceous, ribbon banded qtzite. Total S= 20% Py > Sph. Est Pb+Zn ≈ 4.
						288.4 → EOI is a soft pale olive green + tan striped.

DDH 87-G-11

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC 10/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						dolomitic altered chloritic phyllite. Unit contains thin qtz siltstone laminae // to Sz. Unit is PSz. Sz surfaces are shiny silvery grey w/ local pale green chlorite patches. Locally, qtz siltstone laminae contain minor disse py. Margins are // to Sz.
						TOI → 285.5 core is slightly broken, recov is good. / 285.5 → 287 core is very broken & rubbly due to thin incipient gouge intervals. Recov is O.K / 287 → EOI core is slightly broken, Recov is O.K.
	12 18 8 9	12 19 19 3		12 12	14 A 14	± 3 (5 cm) 85 : 15
						Unit is a dark grey & brassy yellow ribbon banded carbonaceous qtzite. Unit is noncalcareous. Sulphide banding ranges from < 1 cm to 15 cm thick, defines Sz and contains fine & coarse py, lesser fine reddish sphalerite, and abundant interstitial grey qtz. As qtz content in banding ↑, bands become very diffuse. Sz surfaces are carbon black and strongly mark fingers. Total Sulphides range from 15 → 35%. Py > Sph. Est Pb+Zn ± 7%. Interbanded w/ this unit are bands of soft pale olive green, dark olive green, & tan striped, moderately dolomitic metabasite. Dolomite is confined to thin tan carbonate rich laminations. Locally the unit contains thin grey qtz siltstone laminations which commonly are disturbed around fractures. Laminations define a PSz foliation. Sz surfaces are a patchy pale olive green & light grey. Bands range from 2" thick to 1' thick & margins are // to Sz.
						Unit is slightly broken. Recov is Good. No obvious faults.

DDH 87G-11

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 10/87 Logged By: CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	299.3	304.5		23	5A6	
						Moderately soft, black to locally medium grey, noncalcareous, carbonaceous phyllite. Unit is CS_2 foliated. S_2 surfaces are carbon black & strongly mark fingers. Contains local <1 cm thick qtz siltstone laminations which locally contain minor dess- fine py porphs. Unit contains local subangular white peg qtz clasts elongate to S_2. Longest clast is 3cm long.
						TOI-302 is very broken & 'poker chippy' contains local thin black mud gouge in intervals <1/2" // to S_2. Recvy is O.K. / 302→EOI is moderately broken, Recvy is GOOD
	304.5	306.6		24	5B62	
						Moderately soft, locally CS_2 foliated, noncalcareous, medium → dark grey phyllite. Microlithons defined by local, very fine qtz siltstone laminations. S_2 surfaces are medium → dark grey and only slightly mark fingers. Unit appears similar to unit from 299.3→304.5 except for fewer thin carbonaceous folia. Core is intact. Recvy is good.
	306.6	308.4		25	110Q0	±9 minor
						Foliaform, pegmatitic white qtz vein. Vein only slightly fractured and locally infilled with medium green chlorite + minor "splashy" py + gal.
						Core is moderately broken. Recvy is good.

DDH 87G-11
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 10/87 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	3018 4	3511 0		216	5136 2	
						Medium grey → locally dark grey, moderately carbonaceous, noncalcareous locally CS2 foliated phyllite. Microlithons are locally defined by thin qtz siltstone laminations. S2 surfaces are a dull medium → dark grey + very slightly mark fingers. Unit contains usual amount of white foliaform pegmatitic qtz vein.
						Two grey mud gouge intervals at 322.0 → 322.8 and 336.2 → 336.8. Margins are ∥ to S2 and do not represent major faults.
						Core is intact to moderately broken. 6" of core loss between 322 & 327 likely in fault zone from 322.0 → 322.8.

DDH 87G-11 (2–8) CURRAGH RESOURCES INC.

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Logged by _____

ASSAY LOG (SAMPLER'S COPY) Date _____ 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
	1335	1360				4A4	
	1360	1410				4A4	
	1410	1460				4A4	
	1460	1490				4A4	
	1490	1520				4A4	
	1520	1560				4A4	
	1560	1590				4A4	
	1590	1641				4A4	
	1641	1676				4A4	
	1676	1710				4A	GOUGE
	1710	1748				5C4$	
	1748	1778				5C4$	
	1778	1820				5A6	GOUGE (5C4) (4D0) 80:15:5
	1820	1870				5A6	GOUGE (5C4) (4D0) 40:50:10
	1870	1900				4D4	
	1900	1930				4ED	
	1930	1963				4E4	
	1963	2037				5C4$	
	2037	2069				4ED	
	2069	2103				4D3	
	2103	2147				4D4	
	2147	2187				4D4	
	2187	2227				4D4	
	2227	2260				4D4	(5D4@)
	2260	2297				4D4	
	2297	2335				4D4	
	2335	2384				4D4	(5D4@)
	2384	2418				4A4	
	2418	2460				4A4	
	2460	2500				4A4	
	2500	2536				4A4	
	2536	2569				4A4	→(4C5)
	2569	2591				5B6	±2
	2591	2615				4C0	
	2615	2636				4EJ	
	2636	2669				4A3	

DDH 87G-111 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date Dec 10/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	12169	12718				5B161	
	12711	12764				4A14413	(5D4$)
	12764	12797				4A14413	
	12797	12814				5B1641	
	12814	12889				5B1641	
	12889	12912				4A141	(5C$)
	12912	12956				4A141	
	12956	12993				4A141	(5C$)

DDH 87G-111 (2 of 8) CURRAGH RESOURCES INC.

Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date ____ 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
	1 1 3 5	1 1 3 6 0	3018198	2.5	1.3 2	1 14 1A 14	
	1 1 3 6 0	1 1 4 1 0	3018199	5.0	1 1	1 14 1A 14	
	1 1 4 1 0	1 1 4 6 0	3018100	5.0	1 3 3	1 14 1A 14	
	1 1 4 6 0	1 1 4 9 0	3018101	3.0	1 4 4	1 14 1A 14	
	1 1 4 9 0	1 1 5 2 0	3018102	3.0	1 3 2	1 14 1A 14	
	1 1 5 2 0	1 1 5 6 0	3018103	4.0	3 9	1 14 1A 14	
	1 1 5 6 0	1 1 5 9 0	3018104	3.0	1 5 0	1 14 1A 14	
	1 1 5 9 0	1 1 6 1 4 1	3018105	5.1	6 7	1 14 1A 14	
	1 1 6 1 4 1	1 1 6 1 7 6	3018106	3.1	5 3	1 14 1A 14	
	1 1 6 1 7 6	1 1 7 1 1 0	3018107	1.3 4	3 2	1 1 14 1A	GOUGE
	1 1 7 1 0	1 1 7 1 4 8	3018108	1.3 8.	4 3	15 1C 14 1B	
	1 1 7 1 4 8	1 1 7 1 7 8	3018109	1.3 0	4 9	15 K 14 1B	
	1 1 7 1 7 8	1 1 8 1 2 0	3018110	1.4 2	5 0	1 15 1A 16	GOUGE (5C4) (4D0) 80:15:5
	1 1 8 1 2 0	1 1 8 1 7 0	3018111	5 0.	4 8	1 15 1A 16	GOUGE (5C4) (4D0) 40:50:10
	1 1 8 1 7 0	1 1 9 1 0 0	3018112	1.3 0.	1.4 6	1 14 1D 14	
	1 1 9 1 0 0	1 1 9 1 3 0	3018113	1.3 6	1.4 7	1 14 1E 1D	
	1 1 9 1 3 0	1 1 9 1 6 3	3018114	1.3 8.	1 3 3	1 14 1E 14	
	1 1 9 1 6 3	1 2 1 0 1 2 7	3018115	1.7 4	1.8 9	15 1C 14 1B	
	1 2 1 0 1 3 7	1 2 1 0 1 6 9	3018116	1.3 2	1.3 6	14 1E 1D	
	1 2 1 0 1 6 9	1 2 1 1 0 3	3018117	1.3 4	1.3 5	14 1D 13	
	1 2 1 1 0 3	1 2 1 1 4 7	3018118	1.4 4	1.4 8	14 1D 14	
	1 2 1 1 4 7	1 2 1 1 8 7	3018119	1.4 0	5 0	14 1D 14	
	1 2 1 1 8 7	1 2 1 2 1 2 7	3018120	1.4 0	4 9	14 1D 14	
	1 2 1 2 1 2 7	1 2 1 2 1 6 0	3018121	1.3 3.	1.3 9	14 1D 14	(5D4@)
	1 2 1 2 1 6 0	1 2 1 2 1 9 7	3018122	1.3 7.	1.4 8	14 1D 14	
	1 2 1 2 1 9 7	1 2 1 3 1 3 5	3018123	1.3 8.	1.4 8	14 1D 14	
	1 2 1 3 1 3 5	1 2 1 3 1 8 4	3018124	1.3 9.	1.4 5	14 1D 14	(5D4@)
	1 2 1 3 1 8 4	1 2 1 4 1 1 8	3018125	1.3 4	1.4 7	14 1A 14	
	1 2 1 4 1 1 8	1 2 1 4 1 6 0	3018126	1.4 0.	1.4 7	14 1A 14	
	1 2 1 4 1 6 0	1 2 1 5 0 0	3018127	1.5 0.	1.4 6	14 1A 14	
	1 2 1 5 0 0	1 2 1 5 1 3 6	3018128	1.3 6.	1.4 1	14 1A 14	
	1 2 1 5 1 3 6	1 2 1 5 1 6 9	3018129	1.3 3	1.3 6.	14 1A 14	→(4C5)
	1 2 1 5 1 6 9	1 2 1 5 1 9 1	3018130	1.2 2	1.2 6	15 1B 16	± 2
	1 2 1 5 1 9 1	1 2 1 6 1 1 5	3018131	1.2 4	1.2 2	14 1C 10	
	1 2 1 6 1 1 5	1 2 1 6 1 3 6	3018132	1.2 1	1.2 9	14 1E 11	
	1 2 1 6 1 3 6	1 2 1 6 1 6 9	3018133	1.3 3	1.3 3	14 1A 13	

C.R.I. 1987 E-5

DDH 87G-11 CURRAGH RESOURCES INC.

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Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date Dec 10/87 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
	12169	12718	308134	49	51	5B61	
	12718	12764	308135	47	48	4A4413	(5D4$)
	12764	12797	308136	33	42	4A4413	
	12797	12841	308137	44	52	5B641	
	12841	12889	308138	48	53	5B641	
	12889	12924	308139	35	44	4A41	(5C$)
	12924	12956	308140	32	40	4A41	
	12956	12993	308141	37	42	4A41	(5C$)

DDH 87G-111 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date ____ 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
40.7		11 13 13 5	11 13 16 0	3 10 17 19 18	1	1	1 14 1A 14	
41.5		11 13 16 0	11 14 11 0	3 10 17 19 19	1	1	1 14 1A 14	
42.0		11 14 11 0	11 14 16 0	3 10 18 10 10	1	1	1 14 1A 14	
44.5		11 14 16 0	11 14 19 0	3 10 18 10 11	1	1	1 14 1A 14	
45.4		11 14 19 0	11 15 12 0	3 10 18 10 12	1	1	1 14 1A 14	
46.3		11 15 12 0	11 15 16 0	3 10 18 10 13	1	1	1 14 1A 14	
47.5		11 15 16 0	11 15 19 0	3 10 18 10 14	1	1	1 14 1A 14	
48.5		11 15 19 0	11 16 14 1	3 10 18 10 15	1	1	1 14 1A 14	
50.0		11 16 14 1	11 16 17 6	3 10 18 10 16	1	1	1 14 1A 14	
51.1		11 16 17 6	11 17 11 0	3 10 18 10 17	1	1	1 1 14 1A	GOUGE
52.1		11 17 11 0	11 17 14 8	3 10 18 10 18	1	1	15 1C 14 1$	
53.3		11 17 14 8	11 17 17 8	3 10 18 10 19	1	1	15 1K 14 1$	
54.2		11 17 17 8	11 18 12 0	3 10 18 11 10	1	1	1 15 1A 16	GOUGE (5C4) (4D0) 80:15:5
55.5		11 18 12 0	11 18 17 0	3 10 18 11 11	1	1	1 15 1A 16	GOUGE (5C4) (4D0) 40:50:10
57		11 18 17 0	11 19 10 0	3 10 18 11 12	1	1	1 14 1D 14	
57.9		11 19 10 0	11 19 13 0	3 10 18 11 13	1	1	1 14 1E 1D	
58.8		11 19 13 0	11 19 16 3	3 10 18 11 14	1	1	1 14 1E 14	
59.8		11 19 16 3	12 10 13 7	3 10 18 11 15	1	1	15 1C 14 1$	
62.1		12 10 13 7	12 10 16 9	3 10 18 11 16	1	1	14 1E 1D 1	
63.1		12 10 16 9	12 11 10 3	3 10 18 11 17	1	1	14 1D 131	
64.1		12 11 10 3	12 11 14 7	3 10 18 11 18	1	1	14 1D 141	
65.4		12 11 14 7	12 11 18 7	3 10 18 11 19	1	1	14 1D 141	
66.7		12 11 18 7	12 12 12 7	3 10 18 12 10	1	1	14 1D 141	
67.9		12 12 12 7	12 12 16 0	3 10 18 12 11	1	1	14 1D 141	(5D4@)
68.9		12 12 16 0	12 12 19 7	3 10 18 12 12	1	1	14 1D 141	
70.0		12 12 19 7	12 13 13 5	3 10 18 12 13	1	1	14 1D 141	
71.2		12 13 13 5	12 13 18 4	3 10 18 12 14	1	1	14 1D 141	(5D4@)
72.7		12 13 18 4	12 14 11 8	3 10 18 12 15	1	1	14 1A 141	
73.7		12 14 11 8	12 14 16 0	3 10 18 12 16	1	1	14 1A 141	
75		12 14 16 0	12 15 10 0	3 10 18 12 17	1	1	14 1A 141	
76.2		12 15 10 0	12 15 13 6	3 10 18 12 18	1	1	14 1A 141	
77.3		12 15 13 6	12 15 16 9	3 10 18 12 19	1	1	14 1A 141	→(4C5)
78.3		12 15 16 9	12 15 19 1	3 10 18 13 10	1	1	15 1B 161	± 2
79		12 15 19 1	12 16 11 5	3 10 18 13 11	1	1	14 1C 101	
79.7		12 16 11 5	12 16 13 6	3 10 18 13 12	1	1	14 1E 1J 1	
80.3		12 16 13 6	12 16 16 9	3 10 18 13 13	1	1	14 1A 131	

DDH 87G-111 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

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ASSAY LOG (SAMPLER'S COPY) Date Dec 10/87 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
81.4		121616 9	121711 8	3101813 14	1	1	5 B 16 1	
82.8		121711 8	121716 4	3101813 15	1	1	4 A 14 14 13	(5 D4 $)
84.2		121716 4	121719 7	3101813 16	1	1	4 A 14 14 13	
85.3		121719 7	121814 1	3101813 17	1	1	5 B 16 14 1	
86.6		121814 1	121818 9	3101813 18	1	1	5 B 16 14 1	
88.1		121818 9	121912 4	3101813 19	1	1	4 A 14 1	(5 C $)
89.1		121912 4	121915 6	3101814 10	1	1	4 A 14 1	
90.1		121915 6	121919 3	3101814 11	1	1	4 A 14 1	(5 C $)

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DDH 87G-11 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Dec 11/87 Logged By: CVR/LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
S		1151 0	C1S12	S		219 0101 0	416	ribbon banding in 4A
S		1161 0	C1S12			217 0101 0	715	ribbon banding in 4A
S		1814 0	P1S12				811	micaceous fltns in 5D
S		1911 0	P1S12				711	sphd banding in 4E
S		2117 0	C1S12	S		210 0101 0	515	5° banding in 4D
S		2135 0	C1S12	S		319 0101 0	518	5° banding in 4D
S		2141 0	C1S12	S		219 0101 0	618	carbonaceous folia in 4A
S		2156 0	C1S12			610 1515	616	carbonaceous folia in 4A
S		2172 0	P1S12				616	carbonaceous folia in 4A
S		2181 7 5	C1S12	S		214 0101 0	519	banding in 4D
S		3101 6 5	C1S12	S		217 0101 0	514	micaceous fltn in phyllite
S		3121 4 0	C1S12	S		110 0001 0	615	micaceous fltns in phyllite
S		3141 1 5	C1S12			519 1181 0	611	micaceous fltns in phyllite
S		3141 5 0	C1S12			218 0101 0	518	micaceous fltns in phyllite
								EOH

PROJECT _____ DRILLHOLE NO. 87G-11 COORDINATES: N _____ DATE Dec 11 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90° 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.	
129		0		0													Tricored
130		0.6		0													
132		1.2		0													
136		4.5		0													
141		1.6		0													
146		2.7		0													
149		3.9		0													spread out
152		2.8		0													
157		6.3		0.6													spread out
162		5.3		2.2													
167		5.9		3.4													
172		4.0		0.5													
177		6.3		1.6													spread out
182		5.1		0													
186		3.3		0													
190		5.4		1.9													spread out
192.5		3.7		0.5													
197		5.0		1.4													
201		3.9		0													
206		5.0		0.9													
211		5.2		3.7													
216		5.6		3.1													
221		5.4		4.1													
226		5.4		2.9													
231		5.3		4.9													
236		5.6		4.0													
241		5.6		2.1													

Fig. 1. Typical rock mechanics core log.

200'

PROJECT _____ DRILLHOLE NO. 876-11 COORDINATES: N _____ DATE Dec 11 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -90 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.	
246.5		5.9		1.7													
252		5.5		1.3													
257		5.3		1.6													
262		5.1		0.9													
267		5.3		4.2													
272		5.2		3.5													
277		5.7		2.8													
282		5.3		2.5													
287		5.1		2.7													
292		5.3		2.1													
297		5.6		4.2													
302		5.2		1.5													
307		5.7		2.4													
311.5		4.2		1.8													
316.5		5.5		3.7													
322		5.1		1.5													
327		4.0		1.4													
332		5.3		3.9													
337		5.2		1.8													
341.5		3.9		1.0													
346.5		5.3		2.5													
351.0		5.1		2.8													
		EOH															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 876-12

Reference Fabric Orientation Diagram:

Project: 1987 Grum Drilling

Location: Grum deposit

Claim: _____

Terr.Plane Co-ords.: 6905214.53 N

592344.60 E

Grid Co-ords: 78W / 10.5N

Elevation: 1301.00

All symmetry determinations looking

Total Depth: 350 feet

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: _____

Reason hole Terminated: _____

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: ARCTIC DIAMOND DRILLING

CORE	Size	From	To
	NQ	0	110
	NQ	110	350

Collar Cased and Capped: no

Hole Cemented: no

Steel down Hole: no

Assay Lab: _____

Certificate No's: _____

Started: Nov 18/87 Completed: Nov 21/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-112

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	87G-112						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	87G-112	100	180.0	010	AT COLLAR
R	87G-112	1337.0	177.0	069.0	
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 87G-12 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 25/87 Logged By: LCP/CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	0 0			1	#	Triconed — no recovery
L		1 1 1 2 0		2	#	Upper 1/2 is a brown-grey sand + silt. Bottom 1/2 is an orange-brown sand + silt.
L	1 1 1 2 0	1 1 5 1 0 0		3	5 B 6 2	± 0
						PSz foliated, moderately soft, noncalcareous, dark grey phyllite. Sz surfaces are steely-grey to dark grey to locally shiny black. Contains intervals of up to 5' which are light grey w shiny light grey Sz surfaces. Very locally there is minor CSz microlithon texture defined by thin g/z siltstone laminae. TOI → 132 is very broken + rubbly, locally 'poker chippy' + there are abundant 1/2" to 2" gouges // to Sz. There is no evidence of brownish surface oxidation on broken + cut surfaces. / 132 → EOI very broken → rubbly. Recvy from TOI → 135 ≈ 90%. / 135 → 142 0.6' core recovered / 142 → 144 recvy O.K / 144 → 147 1' of core / 147 → EOI 1.8' core recovered. Appears to be recovery problems related to rubble + gouge zones.
	1 1 5 1 0 0	1 1 5 1 4 0		4	5 A 1 1 6	9 [5B6219]
						Very dark grey noncalcareous, hard, carbonaceous phyllite. Sz surfaces are dark shiny grey. Consists of laminae + thin bands of medium grey qtzite + dess" py which are up to 2cm thick. Locally these bands define a microlithon texture. Separating the qtzite bands are 2mm → 5mm of moderately soft carbonaceous phyllite. Unit resembles the 4A texture of ribbon banding except that the 'non ribbons' are phyllite, not qtzite. Core is

DDH 87-GT-12 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: NOV 25/87 Logged By: LCP & CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						very broken & 'poker chippy'. Recvy is reasonable.
	11514 0	11518 0		15	15B16	1 GOUGE
						Dark grey mud gouge contains numerous microvous phyllite flakes. Also contains lesser angular types of angular qtzite. Core is gouge w only 2.2' recovered
	11518 0	11611 1		16	14C10	"Phyllitic"
						Noncalcareous, moderately hard → hard, light grey → medium grey, slightly pyritic qtzite. S_2 surfaces are light silvery grey to silvery cream. It consists of qtzite bands separated by thin musc phyllite laminae. Musc laminae are // to S_2. Very minor dark grey carbonaceous phyllite laminae also // to S_2. 5-15% Py occurs as thin bands within qtzose intervals & as thin fracture infillings. Very locally thin reddish-brown sph also infills fractures. Pb+Zn <1%. Core is very broken. Recvy is reasonable.
	11611 1	11712 3		17	14D5	(4C5) 65:35
						Very hard, noncalcareous, medium grey, ribbon banded qtzite. Ribbon banding consists of light grey dess" qtz, angular py & lesser Sph. Fine red sph also tends to be concentrated in thin carbonaceous folia defining S_2. Excellent microlithon texture. S_2 surfaces are shiny dark grey; they are not dark enough for this unit to be classified as 4A. Total S = 10% - 15%. Py > Sph. Grade ranges from 4-6% jumping back & forth across 4D & 4C classification line. Core is moderately broken

DDH 87G-12 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 25/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Recy is reasonable. 4A texture however not dark enough for 4A rock.
	1172 3	1181 0		18	4A4	(SD$) TRACE
						Very hard, noncalcareous, dark grey, ribbon banded qtzite. Ribbon banding consists of medium grey qtz containing subangular Py + lesser Sph, separated by fine grained grey homogeneous → finely laminated qtzite. Sz surfaces are dark black + strongly mark fingers. At 174' a 10 cm interval of soft, PSz foliated, slightly dolomitic, olive green chloritic phyllite with qtz laminae. Both contacts // to Sz. Total S= 5-15% w pyrite ≥ sph. Well developed microlithon texture. Core is moderately broken TOI → 177. 177 → 179 very broken. / 179 → EOI moderately broken. Recy good in all cases. Est Pb+Zn 6-7%.
	1181 0	1191 2		19	4A10	RUBBLE. (100%) 90:10
						Rubble + angular fragments of carbonaceous, noncalcareous, qtzite. Py content ≤ 10%. Uppermost 1' contains pieces of white pegmatitic bull qtz. Core is very rubbly, Minor carbonaceous gouge w qtz vein near the top. TOI → 185, reasonable recy 185-189 1.5' zone / 189 → 191.2 lost 1/2' of core assuming loss in rubble zone. Sph only locally visible. Est Pb+Zn ∠ 3% combined.
	1191 2	2161 0		110	4A4	IO
						Very hard, noncalcareous, medium grey, ribbon banded, qtzite. Excellent microlithon texture defined by light grey qtz + sph ± py. Ribbons interbanded w fine grained homogeneous grey qtzite. Throughout

DDH 87G-12

CURRAGH RESOURCES INC.
Lithologic Log

Date: NOV 26 Logged By: LCP & CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						the interval the qtzite shows differences in amount of qtz-sulphide banding. Ratio of py + sph in qtz sulphide bands & amount of S2 // diffuse py+sph bands overprinting ribbon banding. Total S= vary from 5-15%, Py ≥ sph. Grade ranges from 4% to 9%. Difficult to divide into subintervals w systematic grade differences. TOI → 205 moderately broken. Recy is good. A 10 cm rubbly gouge zone for 1' at 205'. Does not look significant. / 205 → 238 slightly → moderately broken. Recy is good. / 238 → 242 very broken w local rubble from incipient gouge. Recy is reasonable / 238 → EOL. Moderately broken. Local rubble & incipient gouge at 243, 244, 249. Recy is good. No significant faults.
	2610	2643		11	4DH	
						Light grey, CS2 foliated, very hard, noncalcareous, pyritic qtzite. Upper & lower contacts are gradational into typical 4A. This is a slightly bleached version of 4A. S2 surfaces are silvery light grey. Py + Sph occur in bands ranging from 2mm → 5mm thick. Thinner bands // to S1. Thicker bands // to S2. S= each bands typically consist of fine subangular py grains in reddish-brown sph mtx. Total S= 30% w py slightly > Sph. Fst Pb & Zn 11% combined. Well developed, local microlithon texture. Core is intact, Recy is good.

DDH 87G-12

CURRAGH RESOURCES INC.

Lithologic Log

Date: NOV 26/87 Logged By: CCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12614 5	13015 5		112	14A14	±0 (405) 97:3
						Same unit as unit # 10. (191.2 → 261) Est, Pb+Zn 6%
						S_2 surfaces dull to shiny black and readily mark fingers. Total
						$S^=$ 10 → 20% w/ Py slightly > Sph. Interval from 296 → 298.5'
						is slightly lighter grey w/ shiny dark grey S_2 surfaces + —
						is a 405. TOI → 283' is slightly → moderately broken w/ a short 20cm
						very broken zone centered at 273. Recov is good. /283 → 292
						core is very broken along steep fractures < 25° to core axis.
						Fractures are locally porous due to weathering of carbonate
						Also infilled w/ white qtz. Recov is O.K /292 → EOI unit is
						slightly broken w/ good recov.
	13055	13070		113	14D15	
						Noncalcareous, light grey, very hard, slightly pyritic qtzite. S_2
						surfaces are medium → light silvery grey. Contains fine grained
						Sph + py in thin laminae // to S_1 + S_2. These $S^=$ are also
						infilling hairline fractures which X-cut both foliations. Total $S^=$
						10%. w/ Pb+Zn ≈ 6%. Core is moderately broken, recov is
						good. This is a transitional unit between 4A above +
						phyllite below.
	13070	13095		114	15B16 2	(405) 80:20
						Majority of unit is a noncalcareous, PS2 foliated, soft,
						medium dark grey phyllite. S_2 surfaces are medium steely-grey.
						Bottom 0.5' is a medium grey, very hard, slightly pyritic qtzite.
						S_2 surfaces are silvery-grey. Sph & lesser Py occur as thin

DDH 87G-12
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 26/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						laminae & fracture infillings. Est Pb+Zn 6% for 4D. Core is moderately broken, recry is good.
	309 5	316 5		15	5B6	±2
						Soft, noncalcareous, PS_2 foliated, light grey → dark grey phyllite. S_2 surfaces are light grey → shiny dark grey. TOI → 313' is very broken + rubbly. Top 1' is rubble in pegmatitic white qtz vein. Incipient phyllite gouge at bottom of qtz vein. 312 → 313 is incipient gouge in phyllite w̄ bottom contact ∥ to S_2. 316 → 316.5 is also incipient phyllite gouge associated w̄ a qtz vein. Recry is reasonable throughout entire interval. This is mainly an indication of major occuring further down the hole.
	316 5	320 4		16	4A4	
						Dark grey, hard → very hard qtzite. Unit is thickly laminated w̄ qtz + sph laminae separating homogeneous, fine grained, darker grey qtzite. Sph occurs along S_2 + S_1 surfaces and also along fractures. Total S = 8% Sph >>> Py. Est grade 8%. Minor qtz carbonate infilling fractures. Carbonate is weathered out. TOI → 318.5 is moderately broken w̄ good recry. 318.5 → EOI very broken + rubbly w̄ incipient gouge locally developing. Recry O.K.
	320 4	325 5		17	4E0	(4L0) (4C5) 80:15:5
						Most of unit is a dark, brassy-brown noncalcareous, hard, homogeneous, fine grained Py. It contains small → large clasts of

DDH 87G-12
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: NOV 26/87 Logged By: LCP + CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						medium grey, slightly pyritic glzite. At top + bottom of unit there are interbands of light creamy white, soft, PS_2 foliated, noncalcareous, musc phyllite. S_2 surfaces of phyllite are light silvery-cream. Core is very broken. P_1 locally has a sulphide in sulphide breccia texture apparently associated w steep fractures. Locally 4E & 4D are slightly porous along these fractures. Recy is O.K.
	13215 5	13316 0			G10U1G1E	
						T.O.I → 328' is a 4LO light creamy-white gouge. 328→ 332' is a 5B62 GOUGE, 332 → BOI is a 5A16 ± 9 gouge. Locally the gouge contains short intervals of slightly more competent phyllite. TOI → 329 2.5 feet of core | 329-332 2.5 feet of core | 332 → 336 2.5 feet of core. Recy getting worse going down the interval.
	13316 0	13318 7			15D141$	(5A16) 90:10
						TOI is a light creamy-white, PS_2 foliated, slightly dolomitic, soft, musc phyllite. S_2 surfaces are light silvery-white. Contains thin headed laminae + bands of qtz + dol. Bottom + top contacts are sharp against carbonaceous phyllite. Bottom 0.8' consists of black, hard, PS_2 foliated, noncalcareous, carbonaceous phyllite. Unit forms a slightly more competent interval within a large fault zone. Core is very broken + "poker chippy", Recy is O.K.
	13318 7	13510 0			15B16	GOUGE
						TOI → 339.5 is 4LO rubble. 339.5 → 342.5 is 5A gouge

DDH BZG-12
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: NOV 26/69 Logged By: LCP & CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						342.5 → BOI is medium-grey 5B6 gouge. 339.5 → 345 has 2.5' of core recovered. Recovery is reasonable below & above this interval. This unit is a major fault based on correlation w other drill holes. This should correspond to the BANKRUPTCY BREAK.
						EOH
						This is an extremely IMPRESSIVE hole.

DDH 87-G-12 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: NOV 26/87 Logged By: LCP

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	
		11211 0	PSR				615	Micaceous Foliation
		11419 0	PSR				713	" "
		11615	CSR	Z		417 155	613	Microlithon Ribbon Banding in 4A.
		11715 0	CSR	Z		810 013 10	610	" " " " "
		11814 0	CSR	Z		712 010 10	610	" " " " "
		11919 5	CSR	S		212 315 10	518	"
		12121 0	CSR	S		110 314 5	616	"
		12216 0	CSR	S		611 315 10	617	"
		12417 0	CSR	S		410 315	711	"
		12515 0	CSR	Z		315 011 5	614	"
		12618 0	CSR	Z		00 210 10	619	"
		12712 0	CSR	Z		712 118 10	717	"
		12917 0	CSR	S		318 010 10	810	"
		13012 5	CSR	Z		210 118 10	715	"
		13108	PSR				710	Micaceous Foliation
		13137	PSR				710	" "

DDH 87G-12 (2–8)

CURRAGH RESOURCES INC.

Page 12 of ____

Logged by LCP+CVR

ASSAY LOG (SAMPLER'S COPY)

Date NOV 26/87 Sampled by ____

CODE	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
	1500	1540				5A169	[5B6219]
	1540	1580				5B6	1 GOUGE
	1580	1611				4C0	
	1611	1648				4D5	(4C5) 65:35
	1648	1689				4D5	
	1689	1723				4D5	
	1723	1771				4A4	
	1771	1810				4A4	
	1810	1850				4A0	
	1850	1890				4A0	
	1890	1912				4A0	
	1912	1956				4A4	±0
	1956	2000				4A4	
	2000	2038				4A4	
	2038	2077				4A4	
	2077	2118				4A4	
	2118	2156				4A4	
	2156	2200				4A4	
	2200	2243				4A4	
	2243	2286				4A4	
	2286	2324				4A4	
	2324	2369				4A4	
	2369	2410				4A4	
	2410	2440				4A4	
	2440	2484				4A4	
	2526	2526				4A4	
	2526	2569				4A4	
	2569	2610				4A4	
	2610	2643				4D4	
	2643	2685				4A4	
	2685	2726				4A4	
	5726	2764				4A4	
	2764	2812				4A4	
	2812	2857				4A4	
	2857	2893				4A4	
	2893	2929				4A4	

DDH 87G-12 (2–8)

CURRAGH RESOURCES INC.

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Logged by LCP + CVR.

ASSAY LOG (SAMPLER'S COPY)

Date NOV 26/87 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
	2929	2970				4A4	
	2970	3014				4A4	
	3014	3055				4A4	
	3055	3070				4D5	
	3070	3095				5B62	(4D5) 80:20
	3095	3165				5B6	± 2
	3165	3204				4A4	
	3204	3226				4E0	LC
	3226	3255				4E0	LC

DDH 87G-12 CURRAGH RESOURCES INC. Page 12 of

Logged by LCP+CUR

ASSAY LOG (SAMPLER'S COPY) Date NOV 26/87 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
	1150 0	1154 0	30902	40	12	5A1169	[5B6219]
	1154 0	1158 0	30903	40	27	5B6	1 GOUGE
	1158 0	1161 1	30904	31	35	4C0	
	1161 1	1164 8	30905	37	40	4D5	(4C5) 65:35
	1164 8	1168 9	30906	41	45	4D5	
	1168 9	1172 3	30907	34	46	4D5	
	1172 3	1177 1	30908	48	49	4A4	
	1177 1	1181 0	30909	39	49	4A4	
	1181 0	1185 0	30910	40	40	4A0	
	1185 0	1189 0	30911	40	16	4A0	
	1189 0	1191 2	30912	22	20	4A0	
	1191 2	1195 6	30913	44	54	4A4	±0
	1195 6	2000 0	30914	44	47	4A4	
	2000 0	2013 8	30915	38	46	4A4	
	2013 8	2017 7	30916	39	49	4A4	
	2017 7	2111 8	30917	41	45	4A4	
	2111 8	2115 6	30918	38	48	4A4	
	2115 6	2200 0	30919	44	46	4A4	
	2200 0	2224 3	30920	43	46	4A4	
	2224 3	2228 6	30921	43	45	4A4	
	2228 6	2232 4	30922	38	49	4A4	
	2232 4	2236 9	30923	45	47	4A4	
	2236 9	2410 0	30924	44	47	4A4	
	2410 0	2440 0	30925	30	48	4A4	
	2440 0	2484	30926	44	50	4A4	
	2526 6	2526 6	30927	42	47	4A4	
	2526 6	2569	30928	38	49	4A4	
	2569	2610 0	30929	41	50	4A4	
	2610 0	2643	30930	33	35	4D4	
	2643	2685	30931	42	48	4A4	
	2685	2726	30932	41	45	4A4	
	5726	2764	30933	38	46	4A4	
	2764	2812	30934	48	50	4A4	
	2812	2857	30935	45	47	4A4	
	2857	2893	30936	36	45	4A4	
	2893	2929	30937	36	48	4A4	

DDH 87G-12 CURRAGH RESOURCES INC. Page 13 of

Logged by LCP + CVR.

ASSAY LOG (SAMPLER'S COPY) Date NOV 26/87 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	121912 9	121917 0	309318	41	47	14A14	
	121917 0	131011 4	309339	44	45	14A14	
	131011 4	131015 5	309340	41	47	14A14	
	131015 5	131017 0	309341	15	18	14D15	
	131017 0	131019 5	309342	25	26	15B16 2	(4D5) 80:20
	131019 5	131116 5	309343	70	77	15B16	12
	131116 5	131210 4	309344	39	46	14A14	
	131210 4	131212 6	309345	22	31	14E10	LC
	131212 6	131215 5	309346	29	32	14E10	LC

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Logged by LCP+CUR

ASSAY LOG (SAMPLER'S COPY) Date NOV 26/87 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
45.7		1 1 5 10 0	1 1 5 14 0	3 1 0 1 9 1 0 2	1	1	5 1 A 1 1 6 1 9	[5862 19]
46.9		1 1 5 14 0	1 1 5 18 0	3 1 0 1 9 1 0 3	1	1	1 1 5 B B	1 GOUGE
48.2		1 1 5 18 0	1 1 6 1 1	3 1 0 1 9 1 0 4	1	1	1 1 4 C 1 0	
49.1		1 1 6 1 1	1 1 6 1 4 8	3 1 0 1 9 1 0 5	1	1	1 1 4 D 1 5	(4C5) 65:35
50.2		1 1 6 1 4 8	1 1 6 1 8 9	3 1 0 1 9 1 0 6	1	1	1 1 4 D 1 5	
51.5		1 1 6 1 8 9	1 1 7 1 2 3	3 1 0 1 9 1 0 7	1	1	1 1 4 D 1 5	
52.5		1 1 7 1 2 3	1 1 7 1 7 1	3 1 0 1 9 1 0 8	1	1	1 1 4 A 1 4	
54		1 1 7 1 7 1	1 1 8 1 1 0	3 1 0 1 9 1 0 9	1	1	1 1 4 A 1 4	
55.2		1 1 8 1 1 0	1 1 8 1 5 0	3 1 0 1 9 1 1 0	1	1	1 1 4 A 1 0	
56.4		1 1 8 1 5 0	1 1 8 1 9 0	3 1 0 1 9 1 1 1	1	1	1 1 4 A 1 0	
57.6		1 1 8 1 9 0	1 1 9 1 1 2	3 1 0 1 9 1 1 2	1	1	1 1 4 A D	
58.3		1 1 9 1 1 2	1 1 9 1 5 6	3 1 0 1 9 1 1 3	1	1	1 1 4 A 1 4	± 0
59.6		1 1 9 1 5 6	1 2 1 0 1 0 0	3 1 0 1 9 1 1 4	1	1	1 1 4 A 1 4	
61		1 2 1 0 1 0 0	1 2 1 0 1 3 8	3 1 0 1 9 1 1 5	1	1	1 1 4 A 1 4	
62.1		1 2 1 0 1 3 8	1 2 1 0 1 7 7	3 1 0 1 9 1 1 6	1	1	1 1 4 A 1 4	
63.3		1 2 1 0 1 7 7	1 2 1 1 1 8	3 1 0 1 9 1 1 7	1	1	1 1 4 A 1 4	
64.6		1 2 1 1 1 8	1 2 1 1 5 6	3 1 0 1 9 1 1 8	1	1	1 1 4 A 1 4	
65.7		1 2 1 1 5 6	1 2 1 2 1 0 0	3 1 0 1 9 1 1 9	1	1	1 1 4 A 1 4	
67.1		1 2 1 2 1 0 0	1 2 1 2 1 4 3	3 1 0 1 9 1 2 1 0	1	1	1 1 4 A 1 4	
68.4		1 2 1 2 1 4 3	1 2 1 2 1 8 6	3 1 0 1 9 1 2 1 1	1	1	1 1 4 A 1 4	
69.7		1 2 1 2 1 8 6	1 2 1 3 1 2 4	3 1 0 1 9 1 2 1 2	1	1	1 1 4 A 1 4	
70.8		1 2 1 3 1 2 4	1 2 1 3 1 6 9	3 1 0 1 9 1 2 1 3	1	1	1 1 4 A 1 4	
72.2		1 2 1 3 1 6 9	1 2 1 4 1 1 0	3 1 0 1 9 1 2 1 4	1	1	1 1 4 A 1 4	
73.5		1 2 1 4 1 1 0	1 2 1 4 1 4 0	3 1 0 1 9 1 2 1 5	1	1	1 1 4 A 1 4	
74.4		1 2 1 4 1 4 0	1 2 1 4 1 8 4	3 1 0 1 9 1 2 1 6	1	1	1 1 4 A 1 4	
77		1 2 1 5 1 2 6	1 2 1 5 1 2 6	3 1 0 1 9 1 2 1 7	1	1	1 1 4 A 1 4	
77		1 2 1 5 1 2 6	1 2 1 5 1 6 9	3 1 0 1 9 1 2 1 8	1	1	1 1 4 A 1 4	
78.3		1 2 1 5 1 6 9	1 2 1 6 1 1 0	3 1 0 1 9 1 2 1 9	1	1	1 1 4 A 1 4	
79.6		1 2 1 6 1 1 0	1 2 1 6 1 4 3	3 1 0 1 9 1 3 1 0	1	1	1 1 4 D 1 4	
80.6		1 2 1 6 1 4 3	1 2 1 6 1 8 5	3 1 0 1 9 1 3 1 1	1	1	1 1 4 A 1 4	
81.8		1 2 1 6 1 8 5	1 2 1 7 1 2 6	3 1 0 1 9 1 3 1 2	1	1	1 1 4 A 1 4	
174.5		1 5 1 7 1 2 6	1 2 1 7 1 6 4	3 1 0 1 9 1 3 1 3	1	1	1 1 4 A 1 4	
		84.2 1 2 1 7 1 6 4	1 2 1 8 1 1 2	3 1 0 1 9 1 3 1 4	1	1	1 1 4 A 1 4	
85.9		1 2 1 8 1 1 2	1 2 1 8 1 5 7	3 1 0 1 9 1 3 1 5	1	1	1 1 4 A 1 4	
87.1		1 2 1 8 1 5 7	1 2 1 8 1 9 3	3 1 0 1 9 1 3 1 6	1	1	1 1 4 A 1 4	
88.2		1 2 1 8 1 9 3	1 2 1 9 1 2 9	3 1 0 1 9 1 3 1 7	1	1	1 1 4 A 1 4	

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Logged by LCP & CVR.

ASSAY LOG (SAMPLER'S COPY) Date NOV 26/87 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
89.3		2929	2970	30938			4A4	
90.5		2970	3014	30939			4A4	
91.9		3014	3055	30940			4A4	
93.1		3055	3070	30941			4D5	
93.6		3070	3095	30942			5B62	(4D5) 80:20
94.3		3095	3165	30943			5B6	±2
96.5		3165	3204	30944			4A4	
97.7		3204	3226	30945			4E0	LC
98.3		3226	3255	30946			4E0	LC

PROJECT GRUM DRILLHOLE NO. 87G-12 COORDINATES: N ____ DATE NOV 26 19 87

LOCATION ____ HOLE SIZE NQ E ____ PAGE __ of __

LOGGER LCP INCLINATION -90 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.	
																	TRICONED
112		3.2		0													
120		6.0		0													
122½		3.0		0													
126		2.0		0													
129		2.5		0													
132		3.2		0													
135		3.6		0													
142		0.5		0													
144		1.7		0													
147		1.0		0													
150		1.7		0													
154		3.8		0													
156		1.3		0													
161		3.7		0													
166		5.4		1.8													
171.5		5.7		0													
176		5.0		1.4													
181		5.9		1.6													
185		3.9		0.4													
189		1.3		0													
192		2.5		0													
197		5.2		1.1													
202		5.4		2.4													
205		3.6		0.4													
210		5.1		0.5													
215		5.7		2.5													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-12 COORDINATES: N _____ DATE Nov 26 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER LCP INCLINATION -90° 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.	
220		4.6		0.8													
225		5.2		2.6													
230		5.2		2.7													
235		5.6		1.4													
240		5.3		1.8													
244		4.8		0													
249		5.1		1.3													
254		5.2		2.1													
258		3.9		1.3													
262		4.4		2.4													
267		5.2		4.0													
272		5.0		3.2													
277		5.5		1.3													
282		4.9		2.1													
287		5.5		0.8													
292		5.8		0.4													
297		5.5		1.5													
302		5.1		3.3													
307		5.3		3.0													
312		5.0		0													
316.5		4.5		0													
320		3.7		0													
323.5		4.2		0													
329		4.9		0													
332		3.4		0													
336		2.5		0													
339.5		3.0		0													
345		2.5		0													
350		5.0		0													

Fig. 1. Typical rock mechanics core log.

DDH 87G-12 CURRAGH RESOURCES INC. Page 13 of

Logged by [illegible]

ASSAY LOG (SAMPLER'S COPY) Date Nov 26/87 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	38 40	42
	292	297				4A4	
	297	301				4A4	
	301	305				4A4	
	305	307				4D5	
	307	309				5B62	(4D5) 80120
	309	316				5B6	12
	316	320				4A4	
	320	322				4E0	LC
	322	325				4E0	LC

DDH 87G-12 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Page 11 of

Date: NOV 26/87 Logged By: LLP

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	
		121	PS2				65	Micaceous Foliation
		149	PS2				73	" "
		161	CS2	Z		47 155	63	Microlithon Ribbon Banding in 4h.
		175	CS2	Z		80 030	60	" " " " "
		184	CS2	Z		72 000	60	" " " " "
		199	CS2	S		22 350	58	"
		221	CS2	S		10 345	66	"
		226	CS2	S		61 350	64	"
		247	CS2	S		40 335	71	"
		255	CS2	Z		35 015	64	"
		268	CS2	Z		00 200	69	"
		272	CS2	Z		72 180	77	"
		297	CS2	S		38 000	80	"
		302	CS2	Z		20 180	75	"
		308	PS2				70	Micaceous Foliation
		337	PS2				70	" "

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-13

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum deposit

Claim: _____

Terr.Plane Co-ords.: 6905193.02 N

592323.94 E

Grid Co-ords: 78W /

Elevation: 1301.97

All symmetry determinations looking

Total Depth: 407 feet

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth ____.

Purpose: _____

Reason hole Terminated: _____

Logged by: CVR + LCP

Date(s) Logged: Nov 26 - Dec 1 / 1987

Drilling Contractor: ARCTIC DIAMOND DRILLING

Size	CORE From	To
NW	0	70
NQ	70	407

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: MINE

Certificate No's: _____

Started: Nov 21/87 Completed: Nov 23/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-113 (2 … 8)

Date: _____ Logged By: _____

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

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	87G-113	100	180.0	010.0	ATCOLLAR
R	87G-113	1914	177.0	014.0	
R	87G-113	1914	176.0	014.5	
R	87G-113	1914	177.0	057	
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Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
I	2 … 8	10 … 56

DDH 87G-13
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 26/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	0	710		1	#1	TR iconed - No Recovery
L	710	712		2	#1	Dull olive green, diabasic textured, calcareous SC metabasite redrilled pieces. Cc occurs in fine individual porphs (phenocrysts) < 2mm across. Likely boulder material. No mud matrix recovered. Only recovered 5" core.
L	712	816		3	1D1	moderately weathered. Noncalcareous, thinly banded, light grey, moderately hard qtzite. Qtz - 5= bands & laminae parallel both S1 and S2. S2 surfaces are shiny silvery grey - muscovite definitely noted on S2 surfaces. Py relatively coarse in 5= bands - they are typically subangular. Fracture surfaces have reddish-orange yellow oxidation surface coating. Cut surface is fresh w/ only local patchy development of same coating. Fractures locally vuggy due to carbonate weathering. Total S= 15-20%. Py > sphal. Estimated grade 7-8% (Pb+Zn). Core very broken - 2' core lost in the interval - loss likely in rubble zones @ 73.5' and 77'.
L	816	872		4	SC	
					713	Very soft, punky, bright limy green, calcareous, chloritic phyllite. Altered metabasite with relict spotted texture defined by dark green chlorite in limy green chlorite matrix. Unit now pervasively foliated w/ a gently defined compositional banding parallel S2 fibs. S2 surfaces are slimy, muddy, dull olive green. Locally small cubic pyrite porphs scattered through unit. TOI - 82 core is green mud - likely gouge w/ 4" core / 82-86 mod. broken w/ incipient gouge related to rock type w/ 2.5' core recovered / 86-EOI a

DDH 87G-13
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 26/87 Logged By: CVR/CSP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						pale green mud gouge + mod. soft, pale green beta. Bottom contact of gouge has orient 19/160 — this is 4C piece between metabasite gouge & black to grey gouge — it probably is a clast within the gouge. About 2' core loss in this interval.
L	1817 2	1/1010 0		15	5A16	GOUGE (5B2 GOUGE)(4C0) 5A 5B2 4C 90:10: TR Dominantly a black mud gouge w/ abundant small carbonaceous phyllite flakes. Locally contains scattered fine-grained py porphs. Bottom 3' of unit is noticeably lighter grey & contains 1' of more competent mod. carbonaceous, PS2 foliated phyllite. Gouge is noncalcareous. Contains fragments of pegmatites pbt in bottom ⅓ of unit. Top 3" is piece of light grey, thinly 5= banded gtzite. Has similar appearance to 4D above only no grads. — likely a fragment caught up in fault zone. No contacts because lost in rubble. Major core loss TOI - 92' have lost 3'. Core loss likely right at top of unit. / 92 - EOI have lost 4' of core.
L	1/1010 0	1/1017 7		16	5B1216	GOUGE (5D46) 80:20 Gouge is very soft, light grey to locally dark grey, noncalcareous mud gouge locally contains flaky phyllite fragments scattered within it. Interbanded w/ gouge is TOI - 101.2 and 102 - 102.6 is soft, PS2 foliated, noncalcareous, light grey muscovite phyllite. Unit very broken — contacts against gouge are lost in rubble. S2 surfaces are creamy grey. Overall homogeneous texture on cut surface is similar to 5D. Have 4.9' core which has been spooned out — recovery estimated at 50%. Extent of gouge indicates major fault. Core beneath gouge & metabasite in places is fresh — doesn't look weathered.

DDH 87G-13
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: Nov 26/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1107	1440		7	5C47	3 (5B6 gouge)(4C0)(10Q0) 80:15: TRACE: 5
						Very soft to punky, calcareous, bright green and tan striped phyllite.
						Contains abundant bright blue-green "fuchsite" — (chrome chlorite) which
						is more abundant on fracture surfaces. Has local "Leopard Rock" anastomosing
						streaks of chlorite foliation texture. From 134'-140' intvl is creamy white
						to locally grey phyllite mud gouge. Gouge contains flaky chips of phyllite.
						Gouge is noncalcareous. Interbanded w/ metabasite in top ½ of unit are
						short 1' intervals of hard, light grey S= - banded, noncalcareous qtzite
						similar to qtzites higher in this ddh. S= bands contain finely dissem
						py - sphal - ga - total S= 5%. Estimated grade 3-4% (Pb+Zn).
						lower contact of intvl at 113' parallel S_1 - 44/180.
						TOI - 111.5 extremely brken & rubbly recovry OK / 112.5 - 119 core very brken to
						mod. brken w/ good recovry / 119-124 core is rubble w/ local intact interval
						120 - 121.2 - / recovry OK / 124 - 133 core rubbly recovry - 2' lost /
						133-139 core is gouge w/ mod. recovry / 139-EOI core mod. brken recov OK.
						Between 138-141 2' of core lost.
						Overall a very threashed & brken mixed metabasite & phyllite gouge. Metabasite
						looks highly altered - probably contains significant clays.
L	1440	1633		8	4D0	(5C473) (5D46) 50:40:10
						4D is a very hard, locally highly fractured, light grey, poorly and thinly banded, noncalcareous
						qtzite. Banding locally folded and contains both reddish-brown sphal and py and
						dissem. moderately coarse qtz grains. Banding defines both S1 and S2 surfaces.
						Total S= 10-15% Py > sphal Grade estimate 6-8% (Pb+Zn)
						Interbanded in 1.5' intervals is bright green and tan striped, calcareous, very soft -
						locally punky chloritic phyllite. Some local development of bright green "fuchsite"(?)

DDH 87G-13

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 27/87 Logged By: CUK/LCO

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Metabasite unit similar to that described as Unit # 7 (107.7 - 144.0). Contacts w/ gtzite are lost in rubble. Commonly metabasite has 8" selvages adjacent to gtzite of homogeneous, pale greenish tan, noncalcareous muscovite-chlorite phyllite. S2 surfaces are pale silver w/ green fringe & locally have patches of bright green "fuchsite". Contacts w/ metabasite parallel S2.
						S2 surfaces for gtz are dark gtz grey - do not have muscovite on them.
						TOI - 151 core very rubbly 4' core present but very spread out - probably only 2'-3' core / 151 - 159.4 core extremely broken & locally rubbly. Rubble due to steep fractures / 159.4 - 160 highly fractured gtzite brx - dominant fracture has orient 40° core axis. Core very porous due to carbonate weathering (?) / 160 - EOI very broken & locally rubbly 160 - 160.5. 160 - 162 1' core lost. Recov. OK for rest of interval.
L	1163 3	1814 4		19	14D14	(SC47) TRACE
						Very hard, noncalcareous, thinly banded gtzite. Core locally broken along abundant steep fractures <20° core axis. Banding defined by abundant fine-grained reddish brn sphalerite & lesser fine-grained dissem. py. Bands < 1cm to 5cm thick. Gtzite is light grey S2 surfaces are grey gtzite w/ local development of paper thin muscovite folia. Banding generally parallel S1 w/ minor S= streaking parallel S2. Total S= 20% Sphal = py. Estimated grade 10-12% (Pb + Zn) AT 172.5 is thin metabasite altered unit about 1" thick. Entire interval very broken w/ local rubble @ 174-175.5 — within rubble are pieces of brecciated gtzite. , 170.4-171. Locally fractures weathered to form vugs & be slightly porous. Overall weathering is slight Recovery is reasonable for entire interval.

DDH 87G-13
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 27/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1814.4	1914.3		110	15C1413	7 (4D4) 60:40
						Interbanding of same units seen since Unit #8 (144–163.3) only different proportions of rock types. Metabasite soft & locally gouge, bright green and thin laminated, calcareous w/ local development of bright green "fuchsite." Metabasite interbanded w/ very hard, fractured, S= banded qtzite. Banding in qtzite very disrupted. Commonly bands appear to flow into fractures in surrounding qtzite. Qtzite is light grey and noncalcareous. Very minor local development of paper thin muscovite folia. Contacts w/ metabasite sharp – bottom contact @ 1919 = 28° / core axis – parallel compositional banding in qtzite. Total S= 20–25% py ≈ base metal. Estimated grade 10–12% (Pb+Zn). Qtzite has local weathering on fractures forming deep "pores" Core mod. broken. Recovery is good
L	1914.3	1970		11	14D14	
						Light grey, thinly banded, noncalcareous qtzite. Red sphal, gal, py form thin bands < 1cm thick. Bands parallel S1 dominantly. S= also fill abundant thin fractures. Local development of paper thin muse folia parallel compositional banding. Fish surface is light qtz grey. Total S= 15–20% Py ≈ base metal. Grade 12% (Pb+Zn). Core intact w/ good recovery. Top contact sharp against metabasite. Lower contact is marked by transition to carbonaceous folia.
L	1970	2119.4		12	14D15	±7v. minor
						Med. grey, very hard, locally highly fractured, noncalcareous, S= banded qtzite. Unit contains paper thin carbonaceous folia parallel compositional banding. S2 surfaces are med to med dk grey & lightly mark fingers. S= banding thins (<1cm) and contains abundant fine-grained red sphal, fine py & py aggregates. Locally one

DDH 876-13
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 27/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						band contains bronze, fine-grained po. Overall texture of unit similar to S= banded qtzite higher in ddh except more abundant carbon. Overall texture of unit similar to 4A ribbon banding. Therefore 4A likely original parent of all qtzites logged so far in this Ddh. Total S= 15-20%. Estimated grade 12% (Pb+Zn). Core very brken to locally mod. brken. Recovery OK except 197'-201' lost 1.5' core. Brken nature due to fracturing. Abundant S= in thin fractures. Only locally very slight patchy tannish yellow weathering of thin fractures.
L	2119 4	2444 4		113	4D45	(5C473)(4A gouge)
						Dominant unit is highly fractured, noncalcareous, mod. carbonaceous qtzite. S= bands appear to be up to 6-7cm across and contain abundant fine-grained red sphal with fine-grained qtz & lesser disseminated fine-grained py. Sphal & py fill abundant fractures. Total S= 25-30%. sphal >> py. Estimated grade 15-18% (Pb+Zn). Carbon increases down ddh. It occurs in thin folia parallel S2. S2 surfaces dark grey to black. Locally the qtzite verges on a 4A. Top 1' is green & tan striped calcareous metabasite similar to altered metabasites higher up ddh. Contacts sharp ∥ S2. Metabasite also occurs in thinner intv'ls scattered through rest of unit. Locally @ 233.6' and 243.8' is very soft black muddy 4A gouge containing abundant chips of carbonaceous qtzite. Contacts of gouge lost in rubble. TOI-226 extremely brken w/ 1' core lost / 226-231.5 extremely brken w/ 2' core lost / 231.5-236 extremely brken & locally rubbly in gouge zone. Recovery OK / 236-242 extremely brken w/ 3' core lost / 242-EOI mod. brken & locally rubbly in last 6" - recovery good. Fractures surfaces clean & fresh, locally they are porous.

DDH 87G-13

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	12414 4	12416 5		114	15C413	7
						Same metabasite as described for Unit # 7 (107.7-144.0). PS2 foliation w/ lesser amts of bright green "fuchsite". Contacts parallel S2. Core mod. broken w/ good recovery.
L	12416 5	12610 0		115	14D14	
						Very Hard, light grey, S= banded, noncalcareous qtzite. Banding parallel S2 and S1. Bands generally <1 cm thick and contains abundant fine rod sphal, gal, and py. Sphal > py = gal Total S= 20-25% Grade estimated 15-18% (Pb+Zn) S2 surfaces are qtz grey. Locally only minor papery thin muscs. folia. Core intact to slightly broken. Recov. good. Only local fracturing w/ minor pores due to carbonate weathering (?) No weathering noted on fractures & cut surfaces.
L	12610 0	12612 0		116	14E14	porous
						Moderately hard, homogeneous, dk brown, porous pyritic S= Locally vague banding is defined by increase in sphalerite content. Unit noncalcareous. Total py 85-90% Estimated grade 12% (Pb+Zn) Core mod. broken w/ a rubble zone 8" thick centred @ 261. Recovery good May be large pyritic band within the 4D qtzites.
L	12612 0	12715 5		117	14D14	(SC437) 60:40
						Very hard, locally fractured, noncalcareous, S= banded qtzite. S= bands range from <1 cm to 4cm thick & are parallel both S1 and S2. Bands dominantly reddish brown sphal w/ lesser py & gal. S= also infill abundant thin xcutting fractures. S2 surfaces are dull qtz grey w/ local shiny silvery muscovite patches

DDH 87G-13 (2 / 8)

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Total S= 20%. Estimated grade 15% (Pb+Zn). Interbanded w/ this unit are thin units of green & tan striped metabasite. Marginal contacts are sharp parallel S2. Thickness ranges from 0.5' to 3'. Metabasite similar to those previously described. Lowest (deepest) metabasite is pale green and less altered than those higher up. Core rod. broken w/ local small rubbly sections due to step features @ 268.5 (6") and 270.5 (4"). Recovery good.
L	121715 5	121814 7		118	14D1414	±9 minor (4E0) 85:15
						Thinly to thickly banded, very hard, noncalcareous, high-grade gneiss. Banding is on a scale of 1cm – 7-8 cm. and is defined by abundant red-brown sphal, gal & fine-grained to locally coarse grained py. Banding dominantly parallel S2. Unit is light grey & yellowish-brown striped. Total S= 40% w/ py > sphal slightly. Grade estimate 15% (Pb+Zn).
						Interbanded w/ unit are 2 bands of homogeneous, hard, noncalcareous, brassy yellow py. First band @ TOT for 4" Contacts // S2, 2nd band @ 280.6 – 281.8. Lower band has 2"-3" selvages. Upper margin has abundant brn sphal / lower margin has grey pk, coarse grained py & marcasite (arsenopyrite?). Grade of pyritic bands 3% (Pb+Zn).
						Core slightly broken to intact w/ good recovery. Some very minor porosity in fractures.
L	121814 7	121914 6		119	14D1414	(100 9) TRACE
						Very hard, light grey & reddish brown tiger-striped, noncalcareous gneiss. Abundant thin bands of dominantly red-brn sphal + gal define both S1 and S2. S2 surfaces are dull pk grey w/ local silvery muscovite patches. Sphal >> py. Total S= 20-25%. Grade 18-20% (Pb+Zn). Centred at 287.5 is 30cm thick foliaform pegmatitic buff pk vein containing abundant fractures filled w/ coarse

DDH 876-13 (2 / 8)

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						red sphal, gal. & lesser green chlorite TOI - 286.7 core intact w/good recovery / 286.7 - 289. core very brken on steep fractures - good recovery / 289 - EOI core intact except for 10" interval centred @ 293 (also related to fractures) Recovery good
L	219 14 6	310 18 5		210	1 4 1 A 1 4 1	± BxA (5C3 gouge) 50:50 4A is a hard, noncalcareous, dk grey to black, ribbon-banded pytic. Banding is highly disrupted; locally 5= bands are obliterated by fault bxa. Clasts of gtz and 5= up to 1 cm across are angular - matrix is dominantly dk. grey, fine-grained gtz. This texture occurs TOI - 296.4, 305 - 306.5. 52 surfaces are dull dk grey to black and strongly mark fingers. Est. total 5= 15-20%. Grade 7-8% Py = 5phal
						Interbanded w/ bricked 4A is dull green, extremely soft & punky, calcareous metabasic gouge. Contacts of gouge appear to be sharp & // compositional banding.
						Orient of muddy 4A gouge zone w/in 4A bxa is 52°/000 and is // 52.
						Definitely much gouge so may be significant fault
						TOI - 297.2 mod. brken w/ good recovery / 297.2 - 301 mud gouge w/ good recovery / 301 - 308 extremely brken along steep fractures 2.5' core lost
L	310 18 5	311 11 2		211	1 4 1 E 1 4 1 #	porous ± 1 ± 4 Thinly banded, moderately hard, calcareous, pyritic 5=. Banding is defined by variations in gtz, calcite content & is parallel 52 Cs disseminations w/in py matrix & in greyish tan bands < 1 cm thick. Locally elongate porous dol. clasts are common w/ gtz-cc bands. Total py 75% Estimated

DDH 87G-13 (2 / 8)

CURRAGH RESOURCES INC.
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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grade 8% (Pb+Zn) Upper & lower contacts sharp & parallel 52. Core intact w/ good recovery
L	31112	31213 2		12|2	5C4|3	7 (4C3)(5D4*) 90:05:05 Dominant unit is bright green & tan-yellow striped, calcareous, altered, chloritic phyllite. Locally small specks of bright green "fuchsite". Striping defined by bright green chlorite & is parallel both S2 and S1. Top margin of metabasite 314.3 - 315.4 is homogeneous, soft, pale olive tan, PS2 foliated, muscovite-chlorite phyllite. Fizzes slowly in 20% HCl. Contains patches of bright green "fuchsite" S2 surfaces are pale olive tan. Presence of selvage suggest this rock is more deformed margin of metabasite. W. thin metabasite as thin bands of highly fractured, thinly laminated, very pyritic chlorite. Py is extremely fine grained and occurs w/ fine-grained grey qtz in bands < 4mm (one thick band 5cm thick) S2 also infill abundant fractures; nil base metals seen. Grade estimate 3-4% (Pb+Zn). Qtz-chl bands <1.5' thick w/ contacts // S2. Core very broken recovery good
L	31213 2	31218 9		12|3	4|H|4|	±3 Bronze, hard, noncalcareous, fine-grained, thickly banded, massive po Banding defined by variations in sphal, py Py generally coarse grained & occurs in angular gangue locally up to 3mm across. Py-rich bands diffuse & // S2. Scattered throughout are subangular clasts of whitish qtz; clasts dominantly < 0.5cm; locally up to 2cm across. Bottom 8" of unit 4cm thick band of 4C qtzite. marginal contact // compositional banding. 5cm above 4C is another 4cm band of 5C3. TOI - 325 core extremely broken w/ good recovery 325-EOT

C.R.I. 1987 E-3A

DDH 87G-13 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 27/87 Logged By: CVR/CCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Intact. Total S= 90%. Estimated grade 10-11% (Pb+Zn).
L	131218.9	131312.5		1215	14D131	± 9 minor
						Extremely hard, noncalcareous, thickly banded, grey & brassy yellow striped gtzite. Fine-grained py w/ diffuse dissem. grey qtz occurs in thick bands up to 15cm across. Then are parallel S2. reddish-brown sphal occurs in thinner bands <1cm thick w/ fine-grained dissem. grey qtz. Core locally porous along steep fractures. Locally fractures filled w/ splashy spy. Upper contact marked by absence of po. lower contact is decrease in py. Total S= 35-40% dominantly py. Grade 6% (Pb+Zn). Core mod. broken on steep fractures - recov good
L	131312.5	131416.5		1216	14D141	(5C437)(443) 80:15:05
						light grey & reddish brown striped, thinly banded, noncalcareous, qtzite. Banding defined by fine-grained reddish sphal w/ dissem. small angular py porphs. Banding defines both S2 & S1 fabrics. S2 surfaces are shiny silvery grey w/ abundant muss. which is only locally developed. Total S= 20% w/ sphal >> py. Grade 12% (Pb+Zn). Centred @ 339.5 have 1' band of dk grey to black, ribbon-banded, mod. gyritic, carbonaceous qtzite. Contains abundant S2-parallel carbonaceous folia. Total S= 30-35% w/ py >> sphal. Grade 4-5%. Core intact w/ good recovery. 342.2-343.4 and 345.5-346.5 consist of very soft green & tan striped, calcareous, altered chloritic phyllitic metabasite. Fracture surfaces locally have bright green "fuchsite." Chlorite laminae define both S1 and S2. Marginal contacts steep / parallel S2.
L	131416.5	131419.0		1217	14A14	± 9 minor
						Dk grey to black, hard, CS2-foliated, ribbon-banded carbonaceous qtzite. S= bands

DDH 87G-13

CURRAGH RESOURCES INC.
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Date: Nov 27/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
						< 0.5 cm across and contain abundant reddish sphal & lesser py. Bands define both S1 and S2 clvages. Both clvages also defined by paper-thin carbonaceous folia. S2 surfaces dull carbonaceous black & strongly mark fingers. Total S= 15%. Grade 8-10% (Pb+Zn). Sphal > py. Core very brken. Recovery OK. Minor cpy locally filling small fractures in qtz.
L	3490	3533		218	5B61	±1 ±2 ±9 (5D64) 50:50 : TRACE Top ½ of interval is soft to locally hard, poorly banded, slightly carbonaceous, moderately micaceous qtzite. S2 surfaces are shiny, silvery grey. Locally S2 surfaces are black in area of carbonaceous folia. Banding defined by variations in musc, qtz, reddish brn sphal, py. Banding parallel S1 and S2. Total S= 10%. Estimated grade 4-5% (Pb+Zn). Too phyllitic micaceous to be an ore type qtzite. Bottom ½ is light grey, soft, noncalcareous, phyllite w/ local incipient gouge. S2 surfaces are light silvery grey. Gouges < ½" thick and parallel S2. Top contact w/ qtz & S= rich phyllite gradational over 3-4". Core very brken w/ reasonable recovery. Bottom 6" is noncalcareous pale olive tan musc-chlorite phyllite.
L	3533	3578		219	4D01	±5 ±7 minor (5B62) TRACE Light grey to locally dk grey, thinly banded, noncalcareous, locally carbonaceous qtzite. Banding parallel both S1 and S2 and contains fine py, fine grey qtz, locally bronze po. Increasing carbonaceous folia down ddh. Amt of sphalerite increases down ddh. S2 surfaces are dark grey & leave grey mark on finger. Thin 1" bands of soft, noncalcareous, moderately carbonaceous phyllite interleaved w/ qtzite. At 357' 7"-8" of qtz - S= bxa. S= clasts mainly fine py & are angular, <1cm to 7cm across. Matrix is fine-grained grey qtz. Angle of major fracture in bxa 35°/core axis — possibly just margin of large py clast. Total S= 20%. Est. grade 6-7% (Pb+Zn) - mostly in bottom ½.

DDH 87G-13 (2–8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Nov 27/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
						TOI-355.5 core intact to slightly broken /355.5-EOI very broken & rubbly
						Phyllitic bands are rubbly. Recovery OK
L	357 8	363 1		30	5B67	±9 minor. (10 QO) Trace.
						Soft, noncalcareous, light grey w̄ greenish tinge, very thinly laminated, musc+chl phyllite. S_2 surfaces are shiny silvery grey w̄ very slight greenish tinge. Unit is CS_2 foliated & is evident in crenulation cleavage of very thin pale green chlorite laminations. Py occurs as sparse dess⁻ porphs. Py also fills local fractures. Pegmatitic bull qtz vein occurs from TOI → 358.1. Qtz vein X-cuts S_2. Selvages to vein are 1" thick white phyllite gouge. Core is intact to locally slightly broken. Recry is O.K.
	363 1	370 2		31	4E1	(4AO) 70:30
						Dominant unit is a noncalcareous, brassy yellow & grey, very hard, moderately siliceous pyritic semi-massive S⁼. Fine grained grey qtz forms very diffuse // to S_2 poorly defined bands < 1cm thick and also occurs dess⁻ throughout. Est %Py ≈ 70%. Remainder is qtz. Est Pb+Zn < 1%. Interbanded w̄ this unit is a dark grey to black, very hard, noncalcareous, ribbon banded carbonaceous qtzite. S_2 surfaces are carbonaceous black. Ribbon banding defines PS_2. Locally, at 366.5, a 4" thick band of 4A defines a fold hindge. Total S⁼ of 4A ≈ 25-30%, dominately Py. Est Pb+Zn 4-5%. Core is slightly broken to locally very broken along steep fractures. Recry is O.K.

DDH 87G-13 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 1/87 Logged By: CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	13710 2	13184 5		1312	14A14	(5C47*) 95:5
						Dark grey to black, locally CS_2 foliated, noncalcareous, very hard, ribbon banded carbonaceous qtzite. S_2 surfaces are dark grey → black and only weakly mark fingers. Ribbon banding is generally cl cm thick. Core contains local steep fractures which are sometimes weathered → to form deep pores + vugs. total $S^= \simeq 20-25$ %. $P_y > Sph$. Est Pb+Zn 8%.
						At 373.4 → 374.5 is a pale tan + olive green striped, slightly calcareous (siderite?, ankerite?) altered metabasite. Local bright green "fuchsite" spots on cut + broken surfaces. Contacts are // to S_2. A similar unit occurs at 379.7 in a 1" thick, foliaform band.
	13819 5	13914 5		1313	14D14	±5 (5C47*) 60:40
						Dominate unit is a hard, pale grey, sulphide banded, noncalcareous qtzite. Unit appears similar to unit above except for lack of carbonaceous folia. Total $S^= 25-30$%. Est Pb+Zn 8%. This unit occurs as a selvage to a thick metabasite band located at 291.6 → 293.5. This unit is a moderately soft, pale olive green + tan striped, PS_2 foliated altered chloritic phyllite. Contains less$^=$ carbonate → dol? ankerite? Contains local spotty development of bright green "fuchsite." S_2 surfaces are a pale olive green. Contacts appear // to S_2. Core is moderately broken. Recov. is O.K. No obvious faults.

DDH 87G-13

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 1/1987 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	394 5	403 5		34	5A6	(10Q0 ± 9 minor) 60:40
						5A is a soft, dominately PS_2 foliated, noncalcareous, carbonaceous phyllite. S_2 surfaces are carbonaceous black. Local steep fractures have qtz infillings. Within this unit are three pegmatitic, white, bull qtz veins. They are located at 395.8 → 397.8, 399.9 → 401.7, and 403.4 → EOI. Qtz veins commonly contain thick fractures up to 2cm across which contain soft grey phyllite. Locally thin fractures filled w̄ fine grained py.
						Core is very broken TOI → 395.8, recry O.K / 395.8 → 398 core is extremely broken, recry 50% / 398 → EOI core is very broken, recry is O.K. at 399.2, a 2" thick soft, black phyllite gouge // to S_2. Not a major fault.
	403 5	405 4		35	5D6	1
						Moderately soft, CS_2 foliated, pale light green, noncalcareous, chloritic phyllite. S_2 surfaces are pale green. Microlithons defined by light grey, thin qtz laminations. Unit is intact → slightly broken. Recry is good. No faults
	405 4	407		36	5B6	2
						Light grey → medium grey, moderately soft, PS_2 foliated, noncalcareous phyllite. Unit is slightly carbonaceous in paper thin foliations. S_2 surfaces are medium silvery grey. Core is intact Recry is good. No faults.
						EOH

DDH 87G-13 (2–8) CURRAGH RESOURCES INC.

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Logged by CUR

ASSAY LOG (SAMPLER'S COPY)

Date DEC 1/87 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
	720	759				4D4	
	759	816				4D4	
	816	872				5C73	
	872	1000				5A6	GOUGE
	1000	1077				5B26	
	1077	1120				5BC	GOUGE
	1120	1170				5C	(4D0) 60:30
	1170	1240				5C	
	1240	1290				5C	
	1290	1340				5C	
	1340	1389				5C	
	1389	1440				5C	
	1440	1468				4D	Rubble
	1468	1516				4D0	
	1516	1559				5C	
	1559	1602				4D0	
	1602	1633				5C	
	1633	1670				4D4	
	1670	1720				4D4	
	1720	1770				4D4	
	1770	1820				4D4	
	1820	1844				4D4	
	1844	1874				5C	
	1874	1918				4D4	
	1918	1943				5C	
	1943	1970				4D4	
	1970	2010				4D4	
	2010	2057				4D4	
	2057	2093				4D4	
	2093	2139				4D4	
	2139	2194				4D4	
	2194	2210				5C	
	2210	2265				4D4	(5C) 95:5
	2265	2315				4D4	
	2315	2360				4D4	
	2360	2415				4D4	

DDH 87G-13 (2 8) CURRAGH RESOURCES INC. Page 19 of

Logged by CWB

ASSAY LOG (SAMPLER'S COPY) Date DEC 1/87 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
	12411 5	12414 4				14D4	
	12414 4	12416 5				15C	
	12416 5	12511 2				14D4	
	12511 2	12515 5				14D4	
	12515 5	12610 0				14D4	
	12610 0	12612 0				14E4	Porous
	12612 0	12614 5				14D4	
	12614 5	12617 5				15C	(1000) 90:10
	12617 5	12710 9				14DH	(5C) 95:5
	12710 9	12712 5				15C	
	12712 5	12715 5				14D4	(5C) Trace.
	12715 5	12810 2				14D4	
	12810 2	12811 8				14E0	
	12811 8	12814 7				H1D4	
	12814 7	12818 4				14D4	
	12818 4	12911 2				14D4	
	12911 2	12914 6				14D4	
	12914 6	12916 6				14A4	BxA
	12916 6	13016 5				15C3	GOUGE
	13016 5	13018 5				14A4	
	13018 5	13111 2				H4E4	H Porous
	13111 2	13117 3				15C	(403) 95:5
	13117 3	13213 2				15C	(404) 95:5
	13213 2	13218 9				14H4	
	12218 9	13312 5				14D3	
	13312 5	13317 5				14D4	
	13317 5	13412 2				14D4	
	13412 2	13416 5				14D4	
	13416 5	13419 0				14A4	
	13419 0	13513 3				15B16	
	13513 3	13517 8				14D0	
	13517 8	13613 1				15B1617	
	13613 1	13616 8				14EA	
	13616 8	13710 2				14EA	
	13710 2	13714 4				14AH	(5C) 70:30
	13714 4	13718 0				14A4	(5C) Trace

DDH 87G-13 (2–8)

CURRAGH RESOURCES INC.

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Logged by CUR

ASSAY LOG (SAMPLER'S COPY)

Date DEC 1/87 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
	3780	3820				4A4	
	3820	3860				4A4	(5C) Trace
	3860	3895				4A4	
	3895	3916				4D4	
	3916	3936				5C	
	3936	3945				4D4	5

DDH 87G-113 CURRAGH RESOURCES INC. Page 18 of

ASSAY LOG (SAMPLER'S COPY) Date DEC/1987 Logged by CUR 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
	1 17 12 0	1 17 15 9	3 0 0 0 1	3 9	1 2 1	1 1 4 D 1 4	
	1 17 15 9	1 18 11 6	3 0 0 0 2	5 7	1 2 4	1 1 4 D 1 4	
	1 18 11 6	1 18 17 2	3 0 0 0 3	5 6	1 5 3	1 5 C 1 7 B	
	1 18 17 2	1 1 0 10 0	3 0 0 0 4	1 2 8	8 2	1 1 5 A 1 6	GOUGE
	1 1 0 10 0	1 1 0 17 7	3 0 0 0 5	1 7 7	1 6 0	1 5 B 1 2 1 6	
	1 1 0 17 7	1 1 1 12 0	3 0 0 0 6	1 4 3	1 5 1	1 1 5 B 1 C	GOUGE
	1 1 1 12 0	1 1 1 17 0	3 0 0 0 7	5 0	1 7 0	1 1 5 1 C	(4DO) 60:30
	1 1 1 17 0	1 1 2 14 0	3 0 0 0 8	1 7 0	1 9 8	1 1 5 1 C	
	1 1 2 14 0	1 1 2 19 0	3 0 0 0 9	5 0	1 4 8	1 1 5 1 C	
	1 1 2 19 0	1 1 3 14 0	3 0 0 1 0	5 0	1 5 2	1 1 5 1 C	
	1 1 3 14 0	1 1 3 18 9	3 0 0 1 1	4 9	4 9	1 1 5 1 C	
	1 1 3 18 9	1 1 4 14 0	3 0 0 1 2	5 1	1 3 3	1 1 5 1 C	
27	1 1 4 14 0	1 1 4 16 8	3 0 0 1 3	2 8	8 0	1 1 4 D	Rubble
	1 1 4 16 8	1 1 5 1 6	3 0 0 1 4	4 8	1 2 5	1 1 4 D	O
	1 1 5 1 6	1 1 5 5 9	3 0 0 1 5	4 3	4 6	1 1 5 1 C	
	1 1 5 5 9	1 1 6 10 2	3 0 0 1 6	4 3	4 7	1 1 4 D	O
	1 1 6 10 2	1 1 6 13 3	3 0 0 1 7	3 1	2 8	1 1 5 1 C	
	1 1 6 13 3	1 1 6 17 0	3 0 0 1 8	3 7	1 4 8	1 1 4 D 1 4	
	1 1 6 17 0	1 1 7 2 0	3 0 0 1 9	5 0	1 6 7	1 1 4 D 1 4	
	1 1 7 2 0	1 1 7 7 0	3 0 0 2 0	5 0	1 6 5	1 1 4 D 1 4	
	1 1 7 7 0	1 1 8 2 0	3 0 0 2 1	5 0	1 5 2	1 1 4 D 1 4	
	1 1 8 2 0	1 1 8 H 4	3 0 0 2 2	2 4	2 2	1 1 4 D 1 4	
	1 1 8 4 4	1 1 8 7 4	3 0 0 2 3	3 0	3 0	1 1 5 1 C	
	1 1 8 7 4	1 1 9 1 8	3 0 0 2 4	4 4	4 6	1 1 4 D 1 4	
	1 1 9 1 8	1 1 9 4 3	3 0 0 2 5	2 5	3 8	1 1 5 1 C	
	1 1 9 4 3	1 1 9 7 0	3 0 0 2 6	2 7	3 0	1 1 4 D 1 4	
	1 1 9 7 0	1 2 0 1 1 0	3 0 0 2 7	4 0	2 8	1 1 4 D 1 4	
	1 2 0 1 1 0	1 2 0 1 5 7	3 0 0 2 8	4 7	5 8	1 1 4 D 1 4	
	1 2 0 1 5 7	1 2 0 1 9 3	3 0 0 2 9	3 6	5 0	1 1 4 D 1 4	
	1 2 0 1 9 3	1 2 1 1 3 9	3 0 0 3 0	4 6	2 7	1 1 4 D 1 4	
	1 2 1 1 3 9	1 2 1 1 9 4	3 0 0 3 1	5 5	4 9	1 1 4 D 1 4	
	1 2 1 1 9 4	1 2 1 2 1 0	3 0 0 3 2	2 6	1 8	1 1 5 1 C	
	1 2 1 2 1 0	1 2 1 2 6 5	3 0 0 3 3	5 5	5 9	1 1 4 D 1 4	(5C) 95:5
	1 2 1 2 6 5	1 2 1 3 1 5	3 0 0 3 4	5 0	3 3	1 1 4 D 1 4	
	1 2 1 3 1 5	1 2 1 3 6 0	3 0 0 3 5	4 7 0	5 0	1 1 4 D 1 4	
	1 2 1 3 6 0	1 2 1 4 1 5	3 0 0 3 6	5 5	3 0	1 1 4 D 1 4	

DDH 87G-13 (2–8) CURRAGH RESOURCES INC. Page 19 of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date DEC 1/87 Sampled by ____

CODE	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
	2415	2444	30037	29	43	4D4	
	2444	2465	30038	21	21	5C	
	2465	2512	30039	47	52	4D4	
	2512	2555	30040	43	56	4D4	
	2555	2600	30041	45	55	4D4	
	2600	2620	30042	20	20	4E4	Porous
	2620	2645	30043	25	26	4D4	
	2645	2675	30044	30	37	5C	(10Q0) 90:10
	2675	2709	30045	34	38	4D4	(5C) 95:5
	2709	2725	30046	26	17	5C	
	2725	2755	30047	30	34	4D4	(5C) Trace.
	2755	2802	30048	47	52	4D4	
	2802	2818	30049	16	13	4E0	
	2818	2847	30050	29	31	4D4	
	2847	2884	30551	37	35	4D4	
	2884	2912	30552	28	41	4D4	
	2912	2946	30553	34	38	4D4	
	2946	2966	30554	20	19	4A4	BxA
	2966	3065	30555	99	62	5C3	GOUGE
	3065	3085	30556	20	40	4A4	
	3085	3112	30557	27	33	4E4	Porous
	3112	3173	30558	61	71	5C	(4C3) 95:5
	3173	3232	30559	59	55	5C	(4D4) 95:5
	3232	3289	30560	57	68	4H4	
	3289	3325	30561	36	39	4D3	
	3325	3375	30562	50	54	4D4	
	3375	3422	30563	47	44	4D4	
	3422	3465	30564	43	46	4D4	
	3465	3490	30565	25	28	4A4	
	3490	3533	30566	43	52	5B6	
	3533	3578	30567	45	48	4D0	
	3578	3631	30568	53	56	5B67	
	3631	3668	30569	37	38	4EA	
	3668	3702	30570	35	44	4EA	
	3702	3744	30571	42	50	4A4	(5C) 70:30
	3744	3780	30572	36	37	4A4	(5C) Trace

DDH 87G-13 (2–8) CURRAGH RESOURCES INC.

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Logged by CUR

ASSAY LOG (SAMPLER'S COPY)

Date DEC 1/87 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
	3780	3820	30573	40	43	4A4	
	3820	3860	30574	40	48	4A4	(5C) Trace
	3860	3895	30575	35	37	4A4	
	3895	3916	30576	21	21	4D4	
	3916	3936	30577	20	22	5C	
	3936	3945	30578	09	23	4D4	5

DDH 87G-13 (2–8) CURRAGH RESOURCES INC.

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Logged by CUR

ASSAY LOG (SAMPLER'S COPY)

Date DEC 1/87 Sampled by ____

	CODE (1)	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
21.9		1720	1759	30001			4D4	
23.1		1759	1816	30002			4D4	
24.9		1816	1872	30003			5C73	
26.6		1872	1100	30004			5A6	GOUGE
30.5		1100	1077	30005			5B26	
32.8		1077	1120	30006			5BC	GOUGE
34.1		1120	1170	30007			5C	(4D0) 60:30
35.7		1170	1240	30008			5C	
37.8		1240	1290	30009			5C	
39.3		1290	1340	30010			5C	
40.8		1340	1389	30011			5C	
42.3		1389	1440	30012			5C	
43.9		1440	1468	30013			4D	Rubble
44.7		1468	1516	30014			4D0	
46.2		1516	1559	30015			5C	
47.5		1559	1602	30016			4D0	
48.8		1602	1633	30017			5C	
49.8		1633	1670	30018			4D4	
50.9		1670	1720	30019			4D4	
52.4		1720	1770	30020			4D4	
53.9		1770	1820	30021			4D4	
55.5		1820	1844	30022			4D4	
56.2		1844	1874	30023			5C	
57.1		1874	1918	30024			4D4	
58.5		1918	1943	30025			5C	
59.2		1943	1970	30026			4D4	
60		1970	2010	30027			4D4	
61.3		2010	2057	30028			4D4	
62.7		2057	2093	30029			4D4	
63.8		2093	2139	30030			4D4	
65.2		2139	2194	30031			4D4	
66.9		2194	2210	30032			5C	
67.4		2210	2265	30033			4D4	(5C) 95:5
69.0		2265	2315	30034			4D4	
70.6		2315	2360	30035			4D4	
71.9		2360	2415	30036			4D4	

DDH 87G-13 (2 8) CURRAGH RESOURCES INC. Page 19 of

Logged by CWR

ASSAY LOG (SAMPLER'S COPY) Date DEC 1/87 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
73.6		12 14 11 5	12 14 14 4	3 10 10 3 17	1	1	1 4 1 D 1 4	
74.5		12 14 14 4	12 14 16 5	3 10 10 3 18	1	1	1 1 5 1 C	
75.1		12 14 16 5	12 15 11 2	3 10 10 3 19	1	1	1 4 1 D 1 4	
76.6		12 15 11 2	12 15 15 5	3 10 10 4 10	1	1	1 4 1 D 1 4	
77.9		12 15 15 5	12 16 10 0	3 10 10 4 11	1	1	1 4 1 D 1 4	
79.2		12 16 10 0	12 16 12 0	3 10 10 4 12	1	1	1 4 1 E 1 4	Porous
79.9		12 16 12 0	12 16 14 5	3 10 10 4 13	1	1	1 4 1 D 1 4	
80.6		12 16 14 5	12 16 17 5	3 10 10 4 14	1	1	1 1 5 1 C	(1000) 90:10
81.5		12 16 17 5	12 17 10 9	3 10 10 4 15	1	1	1 4 1 D H	(5C) 95:5
82.6		12 17 10 9	12 17 12 5	3 10 10 4 16	1	1	1 1 5 K	
83.1		12 17 12 5	12 17 15 5	3 10 10 4 17	1	1	1 4 1 D H	(5C) Trace.
84		12 17 15 5	12 18 10 2	3 10 10 4 18	1	1	1 4 1 D 1 4	
85.4		12 18 10 2	12 18 11 8	3 10 10 4 19	1	1	1 4 1 E 1 0	
85.9		12 18 11 8	12 18 H 7	3 10 10 5 10	1	1	1 H 1 D 1 4	
86.8		12 18 14 7	12 18 18 4	3 10 5 5 11	1	1	1 4 1 D 1 4	
87.9		12 18 18 4	12 19 11 2	3 10 5 5 12	1	1	1 4 1 D 1 4	
88.8		12 19 11 2	12 19 14 6	3 10 5 5 13	1	1	1 4 1 D 1 4	
89.8		12 19 14 6	12 19 16 6	3 10 5 5 14	1	1	1 4 A 1 4	BxA
90.4		12 19 16 6	13 10 16 5	3 10 5 5 15	1	1	1 5 1 C 1 3	GOUGE
93.4		13 10 16 5	13 10 18 5	3 10 5 5 16	1	1	1 4 1 A 1 4	
94.0		13 10 18 5	13 11 11 2	3 10 5 5 17	1	1	1 H E 1 4	H Porous
94.9		13 11 11 2	13 11 17 3	3 10 5 5 18	1	1	1 1 5 1 C	(403) 95:5
96.7		13 11 17 3	13 12 13 2	3 10 5 5 19	1	1	1 1 5 1 C	(404) 95:5
98.5		13 12 13 2	13 12 18 9	3 10 5 6 10	1	1	1 4 1 H 1 4	
100.2		13 12 18 9	13 13 12 5	3 10 5 6 11	1	1	1 4 1 D 1 3	
101.3		13 13 12 5	13 13 17 5	3 10 5 6 12	1	1	1 4 1 D 1 4	
102.9		13 13 17 5	13 14 12 2	3 10 5 6 13	1	1	1 4 1 D 1 4	
104.3		13 14 12 2	13 14 16 5	3 10 5 6 14	1	1	1 4 1 D 1 4	
105.6		13 14 16 5	13 14 19 0	3 10 5 6 15	1	1	1 4 A 1 4	
106.4		13 14 19 0	13 15 13 3	3 10 5 6 16	1	1	1 5 1 B 1 6	
107.7		13 15 13 3	13 15 17 8	3 10 5 6 17	1	1	1 4 1 D 1 0	
109.1		13 15 17 8	13 16 13 1	3 10 5 6 18	1	1	1 5 1 B 1 6 1 7	
110.6		13 16 13 1	13 16 16 8	3 10 5 6 19	1	1	1 4 1 E 1 A	
111.8		13 16 16 8	13 17 10 2	3 10 5 7 10	1	1	1 4 1 E 1 A	
112.8		13 17 10 2	13 17 14 4	3 10 5 7 11	1	1	1 4 1 A H	(5C) 70:30
114.1		13 17 14 4	13 17 18 0	3 10 5 7 12	1	1	1 4 1 A 1 4	(5C) Trace

DDH 87G-113 CURRAGH RESOURCES INC. Page 20 of

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date DEC 1/87 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
115.2		1317180	1318120	3105713	1	1	14AM	
116.4		1318120	1318160	3105714	1	1	14AM	(SC) Trace
117.6		1318160	1318195	3105715	1	1	14AM	
118.7		1318195	1319116	3105716	1	1	14D14	
119.4		1319116	1319136	3105717	1	1	15C	
120.0		1319136	1319145	3105718	1	1	14D14	S

DDH 87G-13 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: DEC 1/87 Logged By: CUR

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	
		1813 0	PS12				414	Chloritic Laminations in 5C
		1115 0	PS12				511	" " " "
		1215 0	PS12				411	" " " "
		1515 0	PS12				415	" " " "
		1711 5	PS12				411	Sph Banding in 4D
		1181 0	PS12				410	" " " "
		1211 00	PS12				419	P_3 Banding in 4D.
		1212 13	CS12	S		411	3410 710	Carbonaceous Folia in 4D5
		1215 14	CS12	S		118	01010 60	Sph Banding in 4D
		1217 15	CS12	S		118	01010 615	Chloritic Laminations in 5C
		1218 160	PS12				713	Sulphide Banding in 4D.
		1310 185	PS12				418	Banding in 4E
		1313 10	PS12				510	P_3 Banding 4C
		1314 180	CS12	S		312	01010 613	Carbonaceous Folia in 4A
		1316 20	CS12	M		010	719	Chloritic Folia in 5D7
		1318 50	CS12	S		410	01010 512	Carbonaceous folia in 4A
		1319 15	PS12				616	Micaceous Foliation
		H016	PS12				810	Micaceous Foliation

PROJECT 87G-13 DRILLHOLE NO. 87G-13 COORDINATES: N _____ DATE DEC 1 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 22 of _____

LOGGER CVR INCLINATION -90° 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.	
70																	TRICONED
77		3.6		0.4													
82		1.6		0													
86		2.5		0.8													
92		3.5		0													
96.5		2.6		0													
100		2.5		0													
102		1.8		0													
107		2.2		0													
112		5.0		0													
117		5.0		0.5													
120		3.0		0													
124		5.3		0													Core Spread Out
129		4.3		0													
133		3.4		0													
138		5.0		0													
142		1.6		0													
146		3.0		0													
151		2.5		0													
155		4.0		0													
160		5.0		0.8													
162		1.3		0													
167		6.0		0.4													Core Spread Out
172		6.1		0.4													" " "
177		6.0		0.5													
182		5.0		2.9													
187		4.6		1.6													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. B7G-13 COORDINATES: N _____ DATE DEC 1 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 23 of __

LOGGER CUR INCLINATION -90° 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.	
192		5.0		1.1													
197		5.1		2.9													
201		2.6		0.6													
205.5		5.2		1.0													
210.5		5.4		1.5													
216		5.3		0.7													
221		3.7		1.0													
226.5		5.6		0													
231.5		3.0		0													
236		5.0		0													
242		3.1		0													
247		5.0		0													
252		5.2		3.0													
257		5.1		3.4													
262		5.2		1.3													
267		5.2		0.8													
272		5.1		0													
277		5.0		2.6													
282		5.0		2.4													
287		4.9		3.8													
289		1.8		0.5													
294		5.1		2.8													
299		4.2		0													
301		2.5		0													
308.5		4.3		0.4													
312.5		2.2		1.8													
317.5		5.0		2.0													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 87G-13 COORDINATES: N _____ DATE DEC 1 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 24 of _

LOGGER CR INCLINATION -90° 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.	
322.5		5.0		1.4													
327.5		5.3		1.9													
332.5		5.1		2.8													
337.5		5.3		4.8													
342.5		5.0		5.0													
347.5		5.4		1.7													
352		4.9		0.9													
357		5.0		0.4													
362		5.0		1.8													
367		5.4		2.7													
372		5.3		2.6													
377		5.2		1.9													
382		5.0		2.5													
387		5.4		2.0													
392		5.0		1.6													
396		5.0		0.9													
398		1.3		0													
402		4.6		0.4													
407		5.3		1.5													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-14

Reference Fabric Orientation Diagram:

Project: 1987 Grum Drilling

Location: Grum Deposit

Claim: _____

Terr.Plane Co-ords.: 6905263.12 N

592293.88 E

Grid Co-ords: 80W

Elevation: ~~1301.19~~ 1301.55

All symmetry determinations looking

Total Depth: 401 feet (

NW with 52 dipping

Inclination: -60°

SW with dip azimuth _____.

Purpose: reserve definition + metallurgical samples

Reason hole Terminated: Drilled through ore into phyllite

Logged by: CVR + LCP

Date(s) Logged: Dec 2-4/87

Drilling Contractor: Arctic Diamond Drilling

	Size	CORE From	To
	NW	0	108
	NQ	100	401

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: MINE

Certificate No's: _____

Started: Nov 24/87 Completed: Nov 26/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-14

Date: _____ Logged By: _____

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

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8	10 14	22 26	28 32	34 56
R	87G-14	100	150.0	141.0	AT COLLAR
R	87G-14	1818	149.0	155.0	
R	87G-14	1818	150.0	161.0	
R			.	.	
R			.	.	
R			.	.

DDH 87G-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 2/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1000	1000		11	#1	TRICONED NO RECOVERY
	1010	1116	2	12	5D10	(5B07) 95:5. Dominate unit is a pale light olive green, calcareous, moderately soft, locally CS_2 foliated chloritic phyllite. White calcite occurs in grey qtz in thin bands & laminations which locally define microlithons. S_2 surfaces are a shiny light olive green. White calcite & qtz locally fill thin fractures. At 105.9 → 106.1 there is a medium-dark grey, moderately soft, calcareous, dominately PS_2 foliated phyllite. S_2 surfaces are a steely medium → dark grey. Chlorite occurs as thin green laminations // to S_2, but overall grey appearance of unit gives unit a 5B classification. Calcite occurs similar to surrounding 5D. Contacts are gradational & marked by ↑ grey colour. At 104' & 108' (beginning of core barrel runs) 5" of soft, calcareous, grey mud/sand is recovered. This mud is cave from the overburden because it contains a minor amount of organic material. Similar mud is seen at beginning runs further down the hole. Top 3" of unit are redrilled fragments of Anvil Bath. granite & phyllite. TOI → 103 core is very broken → rubbly, 1' core recovered / 103 → EOI core is slightly broken → intact, recvy is good. At 103' there is 1" of soft, phyllitic, calcareous, mud gouge. Likely not a major fault.

DDH 87G-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 2/87 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	111162	113100		13	15C1$	(5D0) 80:20
						5C is a moderately soft, PS_2 foliated, mottled light grey & pale green, dolomitic, chloritic, phyllite. Unit appears to have an overall relict diabasic texture. Chlorite laminations are locally thinly beaded and are aligned // to S_2. S_2 surfaces are a patchy light tannish-grey and medium olive green. Dolomite is abundant and occurs disseminated throughout & in <1cm, // S_2 bands ~ grey qtz. Overall, this unit may exhibit what has been called a "leopard" texture. Interbanded with this unit is a more homogeneous, pale olive green, moderately soft chlorite phyllite. S_2 surfaces are dark olive green. Dominate carbonate is dolomite and occurs finely dess- throughout the matrix & in minor thin whitish laminations ~ qtz. Locally these laminae define micro-lithons. Contacts of these bands are typically sharp // to S_2, however locally contacts are gradational and marked by ↑ in chl ↓ in dol. Relict "diabasic" texture also disappears gradationally.
						Core is intact to slightly broken. Recov is good. No obvious faults.
	113100	114700		14	15C1$	t4 (5D0) (10Q0) 85:10:5.
						Dominate unit is similar to 5C above (116.2→130.0) except core is much more broken and contains local incipient powdery greenish-white gouge. Gouge contacts are // to S_2. Largest gouge interval is at 130.0→132. Other local gouge zones are generally < 1" thick. Interbanded ~ this unit is a moderately soft, pale olive green, thinly laminated, slightly

DDH B7G-14 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 2/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						dolomitic, chloritic phyllite. Contacts are generally sharp + // to S_2.
						Thin qtz + dol bands locally define microlithons.
						130-131 is calcareous overburden cave in sand. / 131-132 greyish
						green phyllite mud gouge. 8" of core recovered from 130-132. / 132-
						132.8 core is slightly broken. Recy is O.K / 132.8 → 142.0 core is extremely
						broken + rubbly. 2' of core loss / 142-147 core is moderately broken.
						Recy is O.K. X cutting S_2, white, pegmatitic qtz vein at 144.7 → 145.6.
	147 0	161 9		5	15C 1$	
						Soft, pale medium green, PS_2 laminated, dolomitic, chloritic
						phyllite. Unit contains local minor incipient greenish-grey incipient
						powdery gouge in intervals < 1" thick + // to S_2. S_2 surfaces are
						a "spotted" pale olive green and dark green. Locally, thin chlorite
						laminations are beaded and disrupted. Unit is overall similar
						to above 5C unit, except for fewer incipient gouge zones.
						147 → 157 core is moderately broken, 1½' of core loss / 157 → 162 core is
						very broken, 1' of core loss / 162 → EOI, core is slightly broken, recy is
						good.
	161 9	171 4 6		16	15C 1$	"Leopard Rock" ± 9 minor
						Homogeneous, spotted light olive green, dark green, + light grey
						metabasite. Vague PS_2 defined by elongate, thin, dark green
						chlorite clots. Dolomite is finely dess" in the matrix + fizzes
						in 20% HCL when powdered. Unit appears to have a relict
						diabasic texture. Contacts of unit are sharp, // to S_2 into thinly
						laminated light green chloritic phyllite. Unit is intact, recy is good.
						Unit contains isolated minor P_3 porphs.

DDH 87-G-14 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 2/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1171.4 6	1171.6 5		17	15C1$	74
						Moderately soft, dolomitic, PS_2 foliated, bright green, dull olive green, and light tarnish-grey striped phyllite. Unit contains thin dull pale green chlorite and bright green "fuchsite" laminations // to S_2. S_2 surfaces are patchy pale green + grey w/ local spotty bright bluish-green fuchsite. Dolomite occurs dess" in tarnish-grey thin laminations. Bottom contact is sharp @ 11 to S_2 into ribbon banded qtzites. Core is intact. Recy is good.
	1176.5	1210.8 4		18	14A10	± 4. (5C4$) Trace.
						Noncalcareous, moderately hard, CS_2 foliated, dark grey → black, ribbon banded carbonaceous qtzite. S_2 surfaces are dark carbonaceous black. Qtz + sulphide bands are thin, generally ≤ 1/2 cm thick and commonly define microlithons. Bands contain abundant very fine reddish-brown Sph. Sph commonly infills very fine fractures. Total $S^=$ 10-12%. P_y > Sph. Sph banding increases moving down the unit. Est Pb+Zn 5-6%. Locally, P_y forms angular coarse aggregates in thicker qtz + py + sph bands. Core is moderately broken → locally very broken along steep fractures. Recy is good. Minor local fractures are porous due to weathering of carbonates? No obvious faults. Located at 203.6 is 3" thick pale olive green + tan striped, dolomitic, metabasite band.
	1210.8 4	1212.2 5		19	14A14	(5C$) trace
						Medium grey → black, noncalcareous, CS_2 foliated, ribbon banded, carbonaceous qtzite. Sph >> P_y. Total $S^=$ 15-20%. Est Pb+Zn ≤ 12%. S_2 surfaces are a dull dark grey → black, $S^=$ banding contains abundant reddish-brown Sph + defines both S_1 & S_2 cleavages.

DDH 87-G-14

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC 2/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Banding ranges on a scale of < 1mm thick to 2 cm thick.
						Unit is locally very broken due to steep fractures. Fractures commonly
						filled w/ yellowish-tan carbonate, likely dolomite which may weather
						to form deep pores + vugs. Centered at 215' is a 4" thick band of pale green metabasite.
						TOI → 212' core is intact, recov is good / 212 → 217.5 core moderately
						broken, recov is good / 217.5 → EOI core is very broken due to steep fractures.
						Recov is good
	212 12 5	213 19 3		11 10	14A 10	(4CO) 85:15
						Dominate unit is a medium grey → black CS_2 foliated, noncalcareous,
						ribbon banded carbonaceous qtzite. S_2 surfaces are dull black + strongly
						mark fingers. Unit contains local minor incipient gouge // to S_2 in
						thin intervals generally less than 1" thick. Abundant X-cutting
						S_2 fractures contain yellowish-tan carbonate (dolomite?) which is
						commonly weathered to form pores. Core typically broken along these
						fractures. Total $S^=$ about 15% $Py >> Sph$ Total Pb+Zn 4-5%
						TOI → 224.7 is a light grey, hard, noncalcareous, sulphide banded
						qtzite. Textures are similar to the 4A unit described except for
						absence of carbonaceous foliation and fracturing. S_2 surfaces are
						shiny silvery grey. Unit contains abundant paper thin muse
						foliations // to S_2. $S^=$ banding is thin, generally < 3mm thick
						w/ $Py >> Sph$. Total $S^= \approx 12\%$. Est Pb+Zn 3-4%.
						TOI → 224.7 core intact, recov good / 224.7 → 233.6 core very broken →
						rubbly. Recov is 0.K / 233.6 → 236.5 core slightly broken, recov 0.K / 236.5 →
						EOI core is very broken, recov is 0.K.

DDH 87G-14

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC 2/87 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12319 3	12517 9		111	15B612	±7 (100g±$) (5A6) 80:15:5
						Dominate unit is a soft noncalcareous, dominately PS2 foliated, moderately carbonaceous phyllite. S2 surfaces are medium → dark steely grey. Unit contains local, thin powdery intervals, generally <1" thick of incipient phyllite gouge. Top 8" of unit contains thin, pale green ll to S2 chl laminations. Here, S2 surfaces have a greenish tinge. Thick, foliaform, highly fractured + broken white pegmatitic qtz veins occur at 240.4 → 241, 247 → 247.4, 252.1 → 252.6, 254'-256'. Veins commonly contain angular clasts of foliated grey phyllite ± dolomite, and contain incipient phyllite gouge ± small angular white qtz fragments. Vein at 254 → 256 is likely associated ± a fault. Bottom 10" of unit is a very soft, PS2 foliated, noncalcareous, carbonaceous phyllite. S2 surfaces are dull carbonaceous black + strongly smear fingers. TOI → 242 is extremely broken → rubbly, recvy is 0.1% / 242 → 244.5, core moderately broken, recvy is 0.1% / 244.5 → 249 core extremely broken → rubbly 1' of core loss / 249 → 254 core moderately broken, recvy 0.1% / 254 → EOI core is rubble, 2' of core loss.
	12517 9	12613 0		112	15A6	GOUGE (4A0) 80:20
						Soft to locally hard, punky, black, v noncalcareous, carbonaceous phyllite gouge. Where qtz content increases, ie 4A, sulphide banding is preserved. Banding contains fine reddish-brown sph + py. Gouge intervals contain abundant phyllite flakes and powdery-black noncalcareous mud. Contacts of competent 4A + gouge are lost in rubble. Est grade of qtzite is 5-6% but difficult to tell because of poor condition of the core. Core is rubble, 1' of core loss.

DDH 87G-14 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 2/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12 15 18 8 (Wrong)	12 17 12 7		113	141A 10	±4
						Moderately hard, dark grey → black CS_z foliated, ribbon banded, noncalcareous, carbonaceous qtzite. $S^=$ banding defines both S_1 & S_2 cleavages. Banding is on a scale of 2mm → 5cm. P_y >> Sph, however near the bottom of the interval Sph = P_y. S_z surfaces are black & strongly mark fingers. P_y locally forms coarse angular aggregates which often are elongate // to S_z. These aggregates are located in local thick diffuse sulfide bands. Total $S^=$ 10-15% Est Pb+Zn 5-6%.
						Core is moderately broken. Recov is O.K.
	12 17 12 7	12 17 17 3		114	141E 14 14	±6 minor ± $\bar{p}$ minor. (4A0) Trace
						Light tan yellow, thickly laminated, extremely high grade, massive pyritic $S^=$. Local $\bar{v}^{minor}$ dol occurs in small subangular clasts. Barite occurs locally in thin diffuse bands // to S_z. "Microbuckshot" texture developed in thin bands. Unit contains abundant reddish brown sph which defines thick laminations // to S_z. Centered at 276' is a 1½" band of black ribbon banded carbonaceous qtzite. Contacts are // to S_z. Total P_y of entire unit ≈ 75%. Est Pb+Zn 18-20%. Unit is slightly broken. Recov is good.
	12 17 17 3	12 18 14 2		115	141E 14	±1 minor (4A0) 70:30
						TOI - 279.5 moderately hard, medium grey → black, CS_z foliated carbonaceous qtzite. $S^=$ banding is highly disrupted & is only locally developed. P_y generally occurs in coarse subangular aggregates associated w/ whitish-grey qtz. Unit contains abundant thin micaceous foliations. S_z surfaces are dull black. White qtz fills abundant

DDH 87-G-14

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC 2/87 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						steep fractures. Centered at 278.7 is a 4" thick band of reddish brown & yellow massive py S=. Contacts are // to S2. This band is similar to unit below 4A in this interval. From 279.5 → EOI is a light brownish yellow, poorly banded, noncalcareous massive pyritic sulphide. Unit contains scattered subangular whitish-grey qtz clasts generally < ½ cm ϕ. At 280.9' there is local development of paper thin carbonaceous folia. Banding is defined by variations in reddish-brown sph. Total Pb+Zn for entire unit ≈ 10%. Core is intact to locally slightly broken. Recov is good.
	12 8 14 2	12 9 12 8		116	15D1$1	(4J4)(4E1 ± 5)100: TRACE : TRACE
						Moderately soft, pale olive green w/ tannish white stripes, dolomitic, chlorite phyllite. S2 surfaces are a patchy dull olive green and light grey. Unit is thickly laminated, PS2-foliated. Laminae are defined by thin light grey qtz-dolomite less than 3mm thick. Local fractures have white qtz-dolomite infillings. At 285.7' have 1" thick band of reddish brown massive sphal containing minor dissem fine-grained py. Contacts w/ phyllite are irregular. At 288.0' have 3" band of mod. hard to locally soft, brassy yellow and grey, moderately siliceous, massive pyritic S= Unit contains local development of ½" zone of black carbonaceous phyllite. It has 5A affinities. Assoc w/ phyllite is thin band of reddish brown sphal // S2. Contacts of entire interval parallel S2. Unit is mod. broken - recovery is good. At 291.4 local 4" interval of greenish mud gouge. Gouge true thickness ½". Orientation of gouge 29/000 - it is steeper than S2.

DDH 87G-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 3/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12912 8	12916 5		117	14A314	→ (404) 70:30
						Multicoloured unit of light brnish. grey, brassy yellow, & dark grey to black bands. Moderately hard, noncalcareous, PS2 foliated. S2 surfaces are dull carbonaceous black & strongly mark the fingers. Banding is defined by alternating reddish brn sphal & fine grained brassy yellow py on 2cm scale. These bands are commonly separated by thin intervals consisting of pbble w/ carbonaceous folia. Margins of unit are lighter coloured, contained less abundant carbonaceous folia & more abundant reddish brn. sphalerite. Total S= 60-70% Grade 10-12% (Pb+Zn). Py > sphal. Locally steep fractures are weathered to form deep "jugs" because of weathered out carbonate. Core mod. brken w/ good recovery.
L	12916 5	13114 4		118	14L214	6 ± 1 ± 0
						Mod. soft to locally hard, noncalcareous, dull pale olive green w/ brassy yellow brown stripes, PS2 foliated, altered muscovite-chlorite phyllite. S2 surfaces are shiny silvery very pale olive green. Laminae defined by fine grained py w/ dissem. pbble and minor reddish brown base metals < 1cm thick parallel S2. At 305.4'-307' unit is light greyish brn & consists of a punkey phyllite mod-gouge parallel S2. Intvl 309-311' is hard w/ overall increase in grey qtz. Strongly developed crenulations cleavage (S2) w/ pyritic laminae parallel the earlier microlithonod cleavage.
						Total S= 15% overall. Dominantly py. Estimated (Pb+Zn) = 2-3%
						TOI-305 core mod. brken w/ good recovery / 305-307 very broken & rubbly w/ gouge - recovery good / 307-EOT core intact w/ good recovery.
						At least some part of intvl is metabasite because bright green mica flake @ 303.5'
						Overall impression however is highly altered pelite

DDH 87G-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 3/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	3114 4	3116 1		19	4E110	
						Very hard, brassy yellow grey, noncalcareous, homogeneous pyritic S= 10-15% is disseminated grey, interstitial, fine-grained qtz. Contacts sharp and parallel S2. Estimated grade <1% (Pb+Zn). Core mod. brkn on steep fractures. Recovery good.
L	3116 1	3363		20	5B62	
						Mod. soft, CS2 foliated, med grey, noncalcareous phyllite. S2 surfaces are a shiny med to dk grey & don't mark the fingers. Microlithons are defined by thin qtz siltstone laminae. Sstone also contains finely dissem pyrite. Minor vugs in small portions of the xcutting thin qtz-filled fractures. TOI-322.5 core mod. brkn w/ 8" lost / 322.5-EOI intact except for rubble zone on fracture @ 330.2' for 6". Recovery good.
L	3363	3404		21	5A69	± 1 (4H41)(4E4) 80:10:10
						Moderately soft to locally hard, CS2 foliated, noncalcareous, qtz-S= banded phyllite. S2 surfaces are shiny dark grey & do not strongly mark fingers. Qtz-S= bands define both S1 and S2 cluges. Banding contains fine-reddish brown sphal, coarse & fine py. Overall texture resembles 4A except carbonaceous intervals are mod soft, micaceous phyllite. Interbanded w/in unit are 2" thick intvls of brassy brown, high grade pyritic S=. Contacts of S= bands sharp // S2. Bands locally have a microbuckshot texture. TOI-337 folded 2" thick band of bronze & brown massive po and sphal. Unit contains interstitial grey qtz. Brown sphal limited to selvages of po band. Overall grade 7-8% (Pb+Zn). Overall total S= 25%. Core intact to locally slightly brkn - recovery good.

DDH 87G-14

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 3/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131410 4	131416 8		212	15B612	(10Q 9)(5A6 9 I 1) 33:33:34
						TOI - 342.6 is med grey, mod. soft, CS2 foliated, slightly carbonaceous, noncalcareous phyllite. S2 surfaces are shaly med grey. Thin micaceous folia defines a crenulation cleavage.
						342.6 - 345.1 highly fractured, white, pegmatitic bull qtz vein. Vein contains bands & clasts of brassy brown, high grade pyritic S= and CS2 foliated grey phyllite. Massive po and sphal also commonly infill fractures. Qtz vein locally brecciated. Estimated grade 6-7% (Pb+Zn). Contacts of enclosing phyllites highly irregular. Suggest qtz vein is brecciated w/in. phyllite.
						345.1 - EOI mod. soft to locally hard, noncalcareous, CS2 - foliated, carbonaceous phyllite. Qtz - S= bands define both S1 and S2 cleavages. Dominant S= is py. S2 surfaces are dk grey to locally black and do not strongly mark the fingers. Total S= 5-6% Grade (Pb+Zn) = 1-2%.
						TOI - 342.6 core intact w/ good recovery / 342.6 - 345.1 very broken / 6" loss w/ brx texture in qtz vein / 345.1 - EOI mod. broken w/ good recovery
						345.1 - EOI - phyllite gets darker & more siliceous as go down DDH.
L	131416 8	131628		213	14D414	I 5 I 9 minor (4E4)(5C1@) 95:05: TRACE
						Light grey to reddish brown, very hard, thickly banded, noncalcareous qtzite. Abundant reddish brown sphal occurs in variable sized bands & laminae parallel both S1 and S2. Bands range from 1mm - 8 cm. In very high grade thick sphal.-rich intervals they could be considered 4S - fine grained sphal matrix w/ small subhedral pyrite porphs. Grey qtz occurs as small clasts & larger subangular qtz clasts up to 1cm across. Sphal >> py. Total S= 50% Grade estimated @ 25% (Pb+Zn). At 351-352.1 is homogeneous, brassy yellow brown, noncalcareous, hard, massive pyritic S=. Texture verges on microbuckshot

DDH 876-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 3/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Estimated py content 75%. Total grade 20% (Pb+Zn) Unit likely just a thick band in 4D44. Centred @ 356.5 is 5" thick mod. soft to mod. hard pale green & grey striped, siliceous chlorite-musc. phyllite. Unit is slightly ankeritic (fizzes slowly in 20% HCl when powdered). Contacts parallel S2.
						TOI-351 core mod. brkn to locally very brkn on steep fractures. Recovery good/ 351-EOI core intact except for very brkn section 355-356.1 due to steep fractures - recovery good.
						Carbonaceous folia in 4D occur in top 1.5' unit. Local development of thin carbonaceous black folia. Intvl appears CS2 foliated. Rock verges on 4A4.
						Minor cpy infilling xcutting fractures in qtzose intervals.
L	3628	3717		24	5C$	± #
						Pale olive green and greyish white striped, dolomitic, chloritic phyllite. S2 surfaces are pale dull med. green. Banding defined by abundant grey dol + qtz on scale 1mm - 0.5cm across. Locally chlorite laminae define cren. clvge. Locally calcite occurs in dol-qtz veins. Typically unit has elongate fine spotted appearance in centre w/ white spots - reminiscent of foliated "diabasic" texture. On margins unit has 5D appearance w/ pervasive PS2 foliated chloritic phyllite - spots "erased" by deformation. Abundant xcutting fractures infilled w/ qtz-dolomite. Core intact w/ good recovery. Contacts sharp parallel S2.

DDH 87G-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 3/87 Logged By: CVR/LCR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	13711 7	13713 9		125	4D4	± 7 minor ± 9 minor
						Reddish brown & gray, poorly banded, very hard, noncalcareous, very high grade gtzite. Banding consists dominantly of reddish brown sphal w/ disseminated subhedral fine py porphs. Bands are locally folded. Cpy locally fills thin fractures in gtz. Po occurs similarly. Total S= 40-50% Sphal > py. Estimated grade 25% (Pb+Zn). S= contains numerous small gtz clasts (<1mm like py grains). Hso contains scattered clasts of gray to white gtz up to 1-2cm across. Upper & lower contact sharp @ 52. Core intact w/ good recovery.
L	13713 9	13719 2		126	4A4	(5C4 ?) 95:05
						Very hard, noncalcareous, black, ribbon-banded, carbonaceous gtzite. Ribbon-banding on scale < 0.5 cm. Qtz-S= bands are grey & contains disseminated fine py and reddish sphal. S2 surfaces dull dk gray to black & mark the fingers. Ribbon-banding & foliations locally show crenulation cleavage although dominantly PS2 fldr. Total S= 15-20% Sphal ≥ py. Estimated grade 8% (Pb+Zn). Interbanded w/ 4% are 10-15 cm thick bands of yellow-tan & grey striped, mod. soft, dolomitic, altered chloritic phyllite. Locally tiny specks of green "fuchsite" are visible. Margins are sharp and parallel S2. Dominantly PS2 foliated. Core intact w/ good recovery.
L	13719 2	13813 7		127	5A6	± ? ± ? minor
						Mod. soft, black, locally CS2 foliated, carbonaceous phyllite. Contains minor dol areas w/ qtz as siltstone bands & laminae. Commonly sstone has fine-grained interstitial py. S2 surfaces are dull carbonaceous black & strongly mark fingers. Core mod broken to intact/recovery good. Py content 1-2%

DDH 87G-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 3/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	3813 7	3817 6		28	5A	GOUGE * Bankruptcy Break
						Soft, punky, carbonaceous, black gouge. Locally dolomitic (?) – reacts to
						20% HCl but not sure if mud related (drilled w/ GSX-550) Contains
						abundant chips of phyllite. Contains angular fragments of qtz and
						tan-weathering 5D4. Locally small py porphs/clasts present. Similar
						to 5A* (Dy-TIE) but doesn't contain enough in the way of
						5D and 10Q qtz clasts. Upper & lower contacts ∥ S2. Internal
						texture from 5D fracture/clasts is 25°/core axis.
						Core is gouge – reasonably intact to locally rubbly lost 1.5' core between
						TOI and 385'
L	3817 6	3911 8		29	5C4$	# ±1
						Mod. soft to locally hard, pale tannish yellow green, PS2 foliated, calcareous
						altered muscovite-chlorite phyllite. Altered metabasite. S2 surfaces
						are very pale greenish tan and locally have spots of bright green
						"fuchsite (?)" Locally thin grey qtz laminae w/ fine py are parallel S2.
						Occurring throughout are thin intervals of incipient gouge parallel S2.
						Carbonates occur in thin tan laminae w/ dolomite being most common.
						Core very broken & locally rubbly (– 388.5-389.4 rubbly) Core
						recovery good
L	3911 8	3953		30	5B$	2 minor
						Med grey, mod. soft, dolomitic, mod to slightly carbonaceous phyllite
						Dominantly PS2 foliated. S2 surfaces steely med. grey and don't mark
						fingers except for light grey residue. Dolomite occurs in thin siltstone laminae
						commonly w/ interstitial grey qtz. Locally 1" bands of grey phyllite gouges –

DDH 87G-14
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 3/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Orientation of thin gouge @ 393' 25°/core axis Has 4" selvage of
						brxiated phyllite & vein qtz adjacent to it. Core mod. brken / recovery good
L	3953	4010		31	4L0$	[5D4$] (5B$) 70:30
						Interbanded mod soft, dolomitic light grey, PS2 foliated phyllite and
						mod. soft, pale greenish tan, dolomitic musc phyllite. Banding on a scale
						of 2"-3" to 15" Contacts sharp & parallel S2. Interval locally
						contains 4"-10" intervals of phyllite gouge/mud Contacts appear
						parallel S2. Gouge contains abundant phyllite chips & flakes up to 2cm.
						across Margins of gouges brxiated w/ small phyllite fragments. Proportion
						of intvl gouged is 20%. Core very brken & rubbly w/ gouges
						Rubble zones @ 399.7 - EOI. Recovery good
						EOH

DDH 87G-14 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: DEC 4/87 Logged By: CVR.

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	
		1050	CS2	S			34	000	56		Micaceous Foliations
		1320	PS2						36		" "
		1535	PS2						54		" "
		1780	CS2				55	260	64		Ribbon Banding in 4A
		1960	CS2	S			05	000	63		" " " "
		2100	PS2						76		" " " "
		2315	PS2						30		" " " "
		2660	CS2	I			48	000	72		" " " "
		2850	PS2						58		Chlorite Laminations in 5C
		2950	PS2						70		Py banding in 4D
		3170	PS2						75		Micaceous Laminations
		3345	CS2	S			30	000	59		
		3550	PS2						55		Sph Banding in 4D.
		3680	PS2						61		Chloritic Laminations in 5C
		3795	CS2	Z			31	180	66		Carbonaceous Folia in 5A
		3940		I			22	000	75		Carbonaceous Folia in 5B.

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ASSAY LOG (SAMPLER'S COPY) Date DEC 4 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
	11 17 16 5	11 18 11 6				14 A 10	
	11 18 11 6	11 18 15 7				14 A 10	
	11 18 15 7	11 19 10 0				14 A 10	
	11 19 10 0	11 19 14 2				14 A 10	
	11 19 14 2	11 19 19 5				14 A 10	
	11 19 19 5	12 10 14 0				14 A 10	
	12 10 14 0	12 10 18 4				14 A 10	
	12 10 18 4	12 11 13 4				14 A 14	
	12 11 13 4	12 11 17 6				14 A 14	
	12 11 17 6	12 12 12 5				14 A 14	
	12 12 12 5	12 12 17 0				14 C	
	12 12 17 0	12 13 10 5				14 A	
	12 13 10 5	12 13 14 9				14 A	
	12 13 14 9	12 13 19 3				14 A	
	12 13 19 3	12 14 14 8				15 B	62 ± 7
	12 14 14 8	12 14 17 6				15 B	62 ± 7
	12 14 17 6	12 15 12 6				15 B	62 ± 7
	12 15 12 6	12 15 17 9				15 B	62 ± 7
	12 15 17 9	12 16 13 0				15 A 16	GOUGE
	12 16 13 0	12 16 17 0				14 A	
	12 16 17 0	12 17 10 3				14 A	
	12 17 10 3	12 17 12 7				14 A	
	12 17 12 7	12 17 17 3				14 A	
	12 17 17 3	12 18 10 8				14 E 14	
	12 18 10 8	12 18 14 2				14 E 14	
	12 18 14 2	12 18 18 6				15 D 8	
	12 18 18 6	12 19 12 8				15 D 8	
	12 19 12 8	12 19 16 5				14 A 3 14	→ (4:1:4) 70:30
	12 19 16 5	13 10 10 6				14 L 12 14	6
	13 10 10 6	13 10 14 7				14 L 12 14	6
	13 10 14 7	13 10 18 1				14 L 12 14	6
	13 10 18 1	13 11 11 0				14 L 12 14	6
	13 11 11 0	13 11 14 4				14 L 12 14	6
	13 11 14 4	11 11 16 1				14 E 11 10	
	13 13 16 3	13 14 10 4				15 A 16 9	1:1 (4H41) (4E4) 80:10:10

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Logged by CUR.

ASSAY LOG (SAMPLER'S COPY) Date DEC 4/87 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
	13140 4	13141 4 0				15B16 2	
	13141 4 0	13141 6 8				15A16 19	± 1
	13141 6 8	13151 0				14D14 14	
	13151 0	13151 4 1				14D14 14	
	13151 4 1	13151 8 5				14D14 14	
	13151 8 5	13161 2 8				14D14 14	
	13161 2 8	13171 1 3				15C18	
	13171 1 3	13171 3 9				14D14 14	
	13171 3 9	13171 6 7				14A14	
	13171 6 7	13171 9 2				14A14	

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CURRAGH RESOURCES INC.

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Logged by CUR

ASSAY LOG (SAMPLER'S COPY)

Date DEC 4 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
	11 16 5	11 18 6	30579	15 1	150	1 14 A 10	
	11 18 6	11 18 15 7	30580	14 1	150	1 14 A 10	
	11 18 15 7	11 19 10 0	30581	15 7	150	1 14 A 10	
	11 19 10 0	11 19 14 2	30582	14 2	149	1 14 A 10	
	11 19 14 2	11 19 19 5	30583	15 3	151	1 14 A 10	
	11 19 19 5	12 0 14 0	30584	15 5	151	1 14 A 10	
	12 0 14 0	12 0 18 4	30585	14 4	149	1 14 A 10	
	12 0 18 4	12 1 13 4	30586	15 0	153	1 14 A 14	
	12 1 13 4	12 1 17 6	30587	14 2	150	1 14 A 14	
	12 1 17 6	12 2 12 5	30588	15 1	151	1 14 A 14	
	12 2 12 5	12 2 17 0	30589	15 0	150	1 1 14 C	
	12 2 17 0	12 3 10 5	30590	13 5	146	1 1 14 A	
	12 3 10 5	12 3 14 9	30591	14 4	137	1 1 14 A	
	12 3 14 9	12 3 19 3	30592	14 4	144	1 1 14 A	
	12 3 19 3	12 4 4 8	30593	15 5	151	1 1 15 B	62 : 7
	12 4 4 8	12 4 7 6	30594	12 8	150	1 1 15 B	62 : 7
	12 4 7 6	12 5 2 6	30595	15 0	149	1 1 15 B	62 : 7
	12 5 2 6	12 5 7 9	30596	15 3	154	1 1 15 B	62 : 7
	12 5 7 9	12 6 3 0	30597	15 9	154	1 15 A 16	GOUGE
	12 6 3 0	12 6 7 0	30598	14 0	146	1 1 14 A	
	12 6 7 0	12 7 10 3	30599	3 3 7	135	1 1 14 A	
	12 7 10 3	12 7 12 7	30600	12 4	133	1 1 14 A	
	12 7 12 7	12 7 17 3	30519	15 4	155	1 1 14 A	
	12 7 17 3	12 8 10 8	30520	13 5	141	1 14 E 14	
	12 8 10 8	12 8 14 2	30521	13 6	137	1 14 E 14	
	12 8 14 2	12 8 18 6	30522	14 4	144	1 15 D 18	
	12 8 18 6	12 9 12 8	30523	14 2	147	1 15 D 18	
	12 9 12 8	12 9 16 5	30524	13 7	143	14 A 3 14	→ (4134) 70 30
	12 9 16 5	13 0 10 6	30525	14 1	141	14 L 12 14	6
	13 0 10 6	13 0 14 7	30526	14 1	145	14 L 12 14	6
	13 0 14 7	13 0 18 1	30527	13 4	139	14 L 12 14	6
	13 0 18 1	13 1 11 0	30528	12 9	133	14 L 12 14	6
	13 1 11 0	13 1 14 4	30529	13 4	143	14 L 12 14	6
	13 1 14 4	11 11 6 1	30530	16 7	116	14 E 11 10	
	13 13 16 3	13 14 0 4	30531	14 1	145	15 A 16 19	1 (4141) (4E4) 80 : 10 : 10

DDH 87G-14 (2 … 8) CURRAGH RESOURCES INC. Page 19 of

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ASSAY LOG (SAMPLER'S COPY) Date DEC 4/87 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
	13140 4	13141 0	30532	136	139	15B16 2	
	13141 0	13141 8	30533	128	138	15A16 9	± 1
	13141 8	13151 0	30534	142	149	14D14 14	
	13151 0	13151 4	30535	131	131	14D14 14	
	13151 4	13151 8	30536	141	150	14D14 14	
	13151 8	13161 2	30537	143	146	14D14 14	
	13161 2	13171 3	30538	185	196	15C1 8	
	13171 3	13171 9	30539	126	128	14D14 14	
	13171 9	13171 7	30540	128	125	14A14	
	13171 7	13171 9	30541	126	138	14A14	

C.R.I. 1987 E-5

DDH 87G-14 (2 8)

CURRAGH RESOURCES INC.

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ASSAY LOG (SAMPLER'S COPY)

Date DEC 4 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
53.8		11 17 16 5	11 18 11 6	3 10 5 17 9	1 5 1	1 5 0	1 14 A 10	
55.4		11 18 11 6	11 18 15 7	3 10 5 18 0	1 4 1	1 5 0	1 14 A 10	
56.6		11 18 15 7	11 19 10 0	3 10 5 18 1	1 5 7	1 5 0	1 14 A 10	
57.9		11 19 10 0	11 19 14 2	3 10 5 18 2	1 4 2	1 4 9	1 14 A 10	
59.2		11 19 14 2	11 19 19 5	3 10 5 18 3	1 5 3	1 5 1	1 14 A 10	
60.8		11 19 19 5	12 10 14 0	3 10 5 18 4	1 5 5	1 5 1	1 14 A 10	
62.2		12 10 14 0	12 10 18 4	3 10 5 18 5	1 4 4	1 4 9	1 14 A 10	
63.5		12 10 18 4	12 11 13 4	3 10 5 18 6	1 5 0	1 5 3	1 14 A 14	
65.0		12 11 13 4	12 11 17 6	3 10 5 18 7	1 4 2	1 5 0	1 14 A 14	
66.3		12 11 17 6	12 12 12 5	3 10 5 18 8	1 5 1	1 5 1	1 14 A 14	
67.8		12 12 12 5	12 12 17 0	3 10 5 18 9	1 5 0	1 5 0	1 1 14 C	
69.2		12 12 17 0	12 13 10 5	3 10 5 19 0	1 3 5	1 4 6	1 1 14 A	
70.3		12 13 10 5	12 13 14 9	3 10 5 19 1	1 4 4	1 3 7	1 1 14 A	
71.6		12 13 14 9	12 13 19 3	3 10 5 19 2	1 4 4	1 4 4	1 1 14 A	
72.9		12 13 19 3	12 14 14 8	3 10 5 19 3	1 5 5	1 5 1	1 1 15 B	62 : 7
74.6		12 14 14 8	12 14 17 6	3 10 5 19 4	1 2 8	1 5 0	1 1 15 B	62 : 7
75.5		12 14 17 6	12 15 12 6	3 10 5 19 5	1 5 0	1 4 9	1 1 15 B	62 : 7
77		12 15 12 6	12 15 17 9	3 10 5 19 6	1 5 3	1 5 4	1 1 15 B	62 : 7
78.6		12 15 17 9	12 16 13 0	3 10 5 19 7	1 5 9	1 5 4	1 15 A 16	GOUGE
80.2		12 16 13 0	12 16 17 0	3 10 5 19 8	1 4 0	1 4 6	1 1 14 A	
81.4		12 16 17 0	12 17 10 3	3 10 5 19 9	1 3 3	1 3 5	1 1 14 A	
82.4		12 17 10 3	12 17 12 7	3 10 6 10 0	1 2 4	1 3 3	1 1 14 A	
83.1		12 17 12 7	12 17 17 3	3 10 5 11 9	1 5 4	1 5 5	1 1 14 A	
84.5		12 17 17 3	12 18 10 8	3 10 5 12 0	1 3 5	1 4 1	1 14 E 14	
85.6		12 18 10 8	12 18 14 2	3 10 5 12 1	1 3 6	1 3 7	1 14 E 14	
86.6		12 18 14 2	12 18 18 6	3 10 5 12 2	1 4 4	1 4 4	1 15 D 18	
88		12 18 18 6	12 19 12 8	3 10 5 12 3	1 4 2	1 4 7	1 15 D 18	
89.2		12 19 12 8	12 19 16 5	3 10 5 12 4	1 3 7	1 4 3	14 A 3 14	→ (4:24) 70 : 30
90.4		12 19 16 5	13 10 10 6	3 10 5 12 5	1 4 1	1 4 1	14 L 12 14	6
91.6		13 10 10 6	13 10 14 7	3 10 5 12 6	1 4 1	1 4 5	14 L 12 14	6
92.9		13 10 14 7	13 10 18 1	3 10 5 12 7	1 3 4	1 3 9	14 L 12 14	6
93.9		13 10 18 1	13 11 11 0	3 10 5 12 8	1 2 9	1 3 3	14 L 12 14	6
94.8		13 11 11 0	13 11 14 4	3 10 5 12 9	1 3 4	1 4 3	14 L 12 14	6
95.8		13 11 14 4	11 11 16 1	3 10 5 13 0	1 1 7	1 1 6	14 E 11 10	
102.9		13 13 16 3	13 14 10 4	3 10 5 13 1	1 4 1	1 4 5	15 A 16 19	1 : 1 (4H41) (4F4) 80 : 10 : 10

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ASSAY LOG (SAMPLER'S COPY) Date DEC 4/87 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
103.8		13140 4	13141 4 0	30153 12	13 6	13 9	15 B 16 12	
104.9		13141 4 0	13141 6 8	30153 13	12 8	13 8	15 A 16 19	± 1
105.7		13141 6 8	13151 0	30153 14	14 2	14 9	14 D 14 14	
107.		13151 0	13151 4 1	30153 15	13 1	13 1	14 D 14 14	
107.9		13151 4 1	13151 8 5	30153 16	14 4	15 0	14 D 14 14	
109.3		13151 8 5	13161 2 8	30153 17	14 3	14 6	14 D 14 14	
110.6		13161 2 8	13171 1 3	30153 18	18 5	19 6	1 15 C 18	
113.2		13171 1 3	13171 3 9	30153 19	12 6	12 8	14 D 14 14	
114		13171 3 9	13171 6 7	30154 0	12 8	12 5	1 14 A 14	
114.8		13171 6 7	13171 9 2	30154 1	12 6	13 8	1 14 A 14	

PROJECT GRUM DRILLHOLE NO. 87G-14 COORDINATES: N _____ DATE DEC 4 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 21 of _

LOGGER GVR INCLINATION -60° 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.	
100																	TRICONED
103		1.2		0													
104		1.3		1.0													
108		4.1		0.5													
112		3.4		1.3													
117		5.1		2.3													
127		10.0		5.5													
130		2.1		2.0													
132		0.9		0													
137		3.9		0													
142		4.1		0.6													
147		4.9		1.1													
152		3.5		0.7													
157		4.8		0.4													
162		4.5		0													
167		5.1		1.7													
172		5.2		2.7													
177		5.2		3.8													
182		4.7		1.2													
187		5.4		1.9													
192		5.2		2.6													
197		5.1		2.2													
202		4.9		2.2													
207		5.1		1.3													
212		4.9		3.4													
217		5.1		0.8													
222		5.0		0.4													

Fig. 1. Typical rock mechanics core log.

PROJECT 87G-14 DRILLHOLE NO. 87G-14 COORDINATES: N _____ DATE DEC 4 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 22 of _

LOGGER CVR INCLINATION -60 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.	
227		5.0		1.6													
232		5.5		0.4													
237		5.1		0.8													
242		4.8		0													
246		3.6		0.4													
249		4.2		0													Core Spread Out
253		3.5		0.4													
256		2.9		0.4													
261		4.4		0													Core Spread Out.
263		2.5		0													
268		5.2		1.0													
272		5.0		0.9													
277		5.4		2.5													
282		5.2		2.2													
287		5.2		2.4													
292		5.3		2.1													
297		5.4		3.0													
302		5.1		0.8													
307		5.2		1.3													
312		5.1		4.7													
317		5.8		2.8													
322		4.7		0.5													
327		5.2		4.4													
332		5.2		3.7													
337		5.2		4.6													
342		5.0		3.2													
345		2.4		0													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-14 COORDINATES: N _____ DATE DEC 4 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE 23 of _____

LOGGER CVR INCLINATION -60° 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.	
350		5.5		2.3													
351		1.0		0.6													
356		5.1		3.4													
361		5.2		3.5													
366		5.3		4.7													
371½		5.3		4.9													
376½		5.3		5.3													
381		5.4		3.8													
385		2.8		0.4													
390½		5.7		0													
396		5.3		2.6													
401		6.10		0.8													Core Spread Out.

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-15

Reference Fabric Orientation Diagram:

Project: 1987 Grum Drilling

Location: Grum Deposit

Claim: _____

Terr.Plane Co-ords.: 6905209.16 N

592249.49 E

Grid Co-ords: 80W /

Elevation: 1301.5 ± 3

All symmetry determinations looking

Total Depth: 436 feet (

NW with 52 dipping

Inclination: -60° to NE

SW with dip azimuth _____.

Purpose: ore reserve definition + metallurgical samples

Reason hole Terminated: drilled through ore into phyllite.

Logged by: LCP / CVR

Date(s) Logged: Dec 5- /1987

Drilling Contractor: ARCTIC DIAMOND DRILLING

Hole Cemented: No

Steel down Hole: No

Assay Lab: MINE

CORE Size	From	To
NW	0	74
NQ	74	436

Collar Cased and Capped: No

Certificate No's: _____

Started: Nov 27/87 Completed: Nov 29/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-115 (2 … 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T	87G-115						

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
	2 … 8	10 …	14	22 …	26	28 … 32	34 … 56
R	87G-115	100		151.0	0	141.0	AT COLLAR
R	87G-115	12213	0	151.5		149.0	
R	87G-115	14213	0	153.5		152.0	
R				.		.	
R				.		.	
R				.		.

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	0 0	74 0		1	#	Triconed – no recovery
L	74 0	91 4		2	5D0	± $ (5A6$1) 95:05
						Soft, calcareous, very pale olive green chlorite-muscovite phyllite. Phyllite becomes dolomitic as go down ddh w/ reductions in amt of calcite occurring below about 85'. S2 surfaces are silvery pale green. Overall unit is homogeneous w/ foliaform pods and lenses of white calcite-quartz up to 1cm thick parallel S1 and S2. Locally qtz-calcite laminae define microlithons in S2 crenulation cluge. TOI-77' contains finely developed post-S2 crenulation cluge which puts fine crinkle lin on S2 surfaces. At 85' have 1' interval of mod. hard, very dark grey, slightly dolomitic phyllite. S2 surfaces are dark steely grey and weakly mark fingers. Thin qtz-dolomite siltstone bands in phyllite are parallel S2. Bottom contact of 5A w/ 5D folded w/ tight isoclinal D2 folds. TOI-87 core mod. broken w/ good recovery. /87-EOI core is very rubbly w/ some redrilled pieces – only about 1.2' recovered for this interval.
L	91 4	101 0		3	5B6$	± 2 (5D6$) MINOR
						Soft, dolomitic, light grey to medium grey, CS2-foliated phyllite. Well developed microlithons are defined by thin qtz-dolomite siltstone laminae up to 0.5cm thick. Intervening phyllitic intervals are light to med grey. S2 surfaces are light grey to steely dark grey. Minor scattered subhedral py porphyroblasts. At 96' have 5cm band of pale olive tan, slightly dolomitic, muscovite-chlorite phyllite. Core mod. broken except for rubble zones @ TOI, 95.5'-97', 100-101. Recovery is OK. Minor incipient gouge locally in rubble.

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1010	1095		4	10Q01	
						Large vein of homogeneous white bull qtz. Contains minor small py. Contains minor angular clasts of dolomitic grey phyllite. At 105.5' has pressure stylolites defined by black carbon streaks. Core very broken to locally rubbly / recovery looks OK (core spread out in box)
L	1095	1227		5	5B6$	±2 (5D$ ± 0) 70:30
						Exactly same as Unit # 3 (91.4-101) except proportions of 5D are larger. Noncalcareous, soft, CS2-foliated, light grey to med. dk grey, dolomitic phyllite. S2 surfaces are silvery grey to med. steely grey. Microlithons are defined by thin dol + qtz siltstone laminae. Dol & calcite & py + qtz infills steep fractures. Interbands of soft pale olive green → tan calcareous PS2 foliated muse + chl phyllite range from 1cm to 1.5' in thickness. From TOI → 117.5 core is very broken w̄ very rubbly zones at 111 → 112.5 and 116.5 → 117.5. Recry is O.K / 117.5 → EOI moderately broken, reasonable recry. 2-3 cm incipient gouge at 121.2. Rubble zones in interval above have incipient gouge - no orientation possible.
L	1227	1281		6	5B02	
						Moderately soft, calcareous medium → dark grey PS2 foliated phyllite. S2 surfaces are dark steely-grey. Calcite occurs w̄ qtz in thin siltstone laminae. Abundant thin X-cutting qtz + cc fractures which typically disrupt + kink S2. Core is very broken w̄ local incipient gouges typically associated w̄ fractures. Recry is O.K.

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1128	1139		17	5D0	
						Soft, homogeneous, PS2 foliated olive green chloritic phyllite. Qtz + cc occur as foliaform lenses + laminae // to S2 + as infillings of X-cutting fractures. Calcite also occurs as very thin laminations // to S2. S2 surfaces are silvery-green. TOI → 130 moderately broken, recry is O.K. / 130 → 136 very broken + rubbly w/ incipient gouges. Recry w/ 60% / Possible gouge orientation near top 000/42. / 136 → EOI moderately broken except for last 10 cm which is mud gouge at 090/20.
L	1390	1507		18	5B62	± $ → (5A6$) 60:40
						Dark grey → black, soft, noncalcareous phyllite. Interval from TOI → 148' is dolomitic w/ dol occurring in siltstone laminae w/ qtz + minor dess-py. 148 → EOI siltstone laminae consists of entirely qtz + py. Locally these laminae define microlithons. S2 surfaces range from shiny black → dark grey. Locally they mark fingers. At about 148' noted 1 ovoid black chert nodule elongate in S2 direction. The upper contact is lost in rubble. Lower contact appears to be gradational w/ ↑ in green + ↓ in grey. TOI → 140.5 is very rubbly w/ local gouges. Gouges appear to be // to steep fractures w/ apparent orientation 40° to core axis. Recry is O.K. / 140.5 → 142.5 core is very broken, recry is O.K unit is 'poker chippy' / 142.5 → 146.5 very broken w/ gouge from 142.5' to 145'. This gouge interval contains 1 1/2' core - no orientation possible / 146.5 → EOI core slightly broken, recry is good. Probably not a major fault because same unit on both sides.

DDH 87-G-15 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	115107	115190		19	5D161$	
						Soft, PS2 foliated, slightly dolomitic, pale olive green, chl+musc phyllite. S2 surfaces are silvery-light olive green. Qtz+dol occur as thin laminae which are discontinuous. Laminae are generally // to S2. Core is moderately broken except for rubbly intervals w incipient gouge 151.5→152.5, 155→156 & 158.5→EOI.
	115190	118113		110	5B161$	±2 (5D4$) 85:15
						Soft, light→medium dark grey, slightly dolomitic, phyllite. S2 surfaces are silvery grey→shiny steely grey. Dol associated w qtz in thin sillstone laminae which locally define microlithons. Interbedded w this phyllite on a scale of 1/2' to 1 1/2' is a soft, pale tan, moderately dolomitic musc phyllite. S2 surfaces are silvery-cream, generally homogeneous w foliaform qtz pods & lenses. It contains sparse, scattered bright green "fuchsite" spots. Broken surface along fractures is typically mottled to a pale tan-rust. TOI-162 is very broken & rubbly w incipient gouge. Recy is O.K. / 162-164 is moderately broken recy is good / 164-165 is very broken & rubbly w gouges. One gouge angle is 55° to core axis of 090, recy is O.K. / 165→167.5 slightly broken, recy is good / 167.5→EOI very broken & rubbly w local incipient gouges. At 173.5 a thin gouge has an orientation of 000/33°. At 178.5 small kink & gouge // to core axis. Recy is reasonable. Note: interval ends at a rubble & gouge zone.
	118113	119170		111	4A14	(4D0) 65:35
						Very hard noncalcareous, dark grey, ribbon banded qtzite.

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Ribbon banding consists of thin light grey qtz, fine sph + coarse subangular py. Bands are generally 2 1/2 cm thick + separated by 1-3 cm intervals of fine grained homogenious, dark grey qtz tube. Locally bands define microlitbons. Ribbon banding constitutes 25% of rock. Total S= 12% w Sph 2X Py. Est Pb+Zn 8%. Bottom 1 1/2' is altered/leached to a light grey-white. Total S= + proportions remain the same. Sz surfaces in this whitish interval are light grey w silvery muse rich patches. Sz surfaces in 4A are shiny → dull, very dark grey → black + mark fingers. TOI → 187.2 rubble. 180 → 185 only 2 1/2' of core, most core loss is in 4A. 185 → 187 0.7 feet of core. Recy is less than 50%. Top of ore body may be faulted. / 187 → 193.5 slightly broken, recy is good / 193.5 → EOT moderately broken w good recy. 194.5 → 195.5 is rubbly w incipient fracture BxA. texture.
	1 19 7 0	2 12 10 2		1 12	15K14	$ ± #
						Very soft, striped green + light grey to light tan chloritic phyllite. Light stripes contain dol + locally calcite. Green stripes range from dark green chlorite to bright green "Fuchsite". Chlorite laminae are anastomosing + define both Si + Sz surfaces + give the rock a "leopard rock" texture. The interval alternates between sections of soft punky calcareous gouge + dolomitic slightly harder coherent chloritic phyllite. Proportions between gouge + coherent rock is roughly 70/30 in favour of gouge. Recovery is reasonable. Gouge may be partly related to the soft incompetent nature of this lithology.

DDH 87G-15

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	12210 2	12217 2		113	15C14	± $ (404') BxA 60:40
						Interval consists of large and small clasts of dark reddish-brown qtzite & bright green & grey altered metabasite in a gouge mtx of highly altered metabasite. Metabasite in mtx & clasts has bright green "fuchsite" and is locally dolomitic. Qtzite contains numerous thin reddish-brown sph stringers & diffuse 1-2 cm pyritic stripes. Total S = 25% w sph 2x Py. Estimated grade Pb+Zn 11% combined. Clasts appear to be up to 1/2 foot thick. Qtzite clasts occur dominately in top 3' of interval. Recy to 222 is O.K. / 222 → EOI 3.7' of core.
L	12217 2	12313 5		114	14A10	GOUGE & BXA
						Unit consists of ——→ angular clasts of dark carbonaceous qtzite in a mtx of black carbonaceous gouge. Clasts are typically brecciated & are up to 1' across. Upper contact w metabasite gouge is 35° to core axis. Lower contact also against metabasite gouge is 30° to core axis. Recy is ± 70%.
L	12313 5	12319 1		115	15C14??	GOUGE
						Overall a pale tan calcareous strongly altered mud gouge. Locally there are stripes & spots of bright green "fuchsite". Recy ± 80%.
						Last 3 units are part of a major fault zone w metabasite above that showing effects of proximity to fault zone.

DDH 87G-15

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	2391	2475		16	4D5	(4A4) 50:50
						Very hard, medium → dark grey, ribbon banded qtzite. S_2 surfaces range from silvery white → dull "sooty" black. Ribbon banding consists of light coloured qtz w̄ dess' sph & py. Total S = 25% Py slightly > Sph. Est Pb+Zn 9–11%. Down to 243' S_2 surfaces are lighter coloured + there are local fine bxA textures along steep fractures probably associated w̄ higher major gouges. Bottom contact is gradational + marked by lightening/Bleaching of a qtzite. TOI → 243 is very broken w̄ steep fractures w̄ incipient fine BxA textures/243 → EOI moderately broken. Very local vuggy pores along steep fractures which has been weathered out. Vuggy areas have rust-orange surface coating. 1' core loss near top in gouge + rubble. Rest of interval, recry is good.
	2475	2505		17	4D0	
						Light grey, very hard, noncalcareous, finely laminated qtzite. Laminae are defined by thin reddish-brown sph + thicker more diffuse fine → medium grained Py. Both py + sph also infill steep fractures. Laminae are ∥ to S_1 + S_2. S_2 surfaces are qtz grey w̄ silvery musc patches. Interval becomes progressively lighter grey going down. Total S = 10% w̄ Py = Sph. Est Pb+Zn 8%. Core is moderately broken. Recry is good. Steep fractures are locally porous due to weathering. Fractures are about 10° to core axis.

DDH 87G-15 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12510 5	12518 8		118	15C141$	
						Dark green & light grey striped, soft, slightly dolomitic chloritic phyllite. Sz surfaces are spotted dark green. The chlorite forms discontinuous streaks & spots defining dominately the Sz foliation. Top & bottom 2' of the interval, metabasite is altered to a pale tan grey w/ streaks & spots of bright green "fuchsite". Core moderately broken w/ incipient gouges which appear to be more related to the rock type. Good recovery.
L	12518 8	12614 3		119	141D10	
						Very hard, non-calcareous, light to greenish grey qtzite. It contains thin discontinuous streaks of sph & py. Both sulphides have been remobilized into abundant fractures. Moving down the unit, the qtzite developes a dark greenish hue which is possibly due to dess chlorite. Sz surfaces are grey w/ silvery muse patches. Total S= ≈ 7%. Est Pb+Zn 6%. Core is very broken along steep fractures. Recry is reasonable.
	12614 3	12619 0		120	15C141$	
						Moderately soft → soft, olive green, moderately dolomitic chloritic phyllite. Central 90% of unit contains white subangular dol porphs up to 2mm ϕ. It also has thin streaks of dark green chlorite in an olive green → tan fine grained matrix. Both S_1 & S_2 surfaces are visible. S_2 is a crenulation cleavage. Outer margins are a pale - olive tan, PS_2 foliated musc + chl SD phyllite. Core is moderately broken. Recry is good

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 5/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Upper contact lost in qtz vein rubble. Lower contact is ∥ to S2.
L	2690	2811		21	4D0	
						Light grey, very hard, noncalcareous qtzite. Contains thin laminae / streaks of fine-reddish sphalerite parallel S2. Also has diffuse bands of red sphal + med grained py up to 1-2 cm thick. These thicker bands are also parallel S2. Locally bands contain isolated porphs of soft, white, cubic (?) mineral which does not react to 20% HCl even when powdered. Bands & laminae occur w/ spacing of 1-3 cm. Total S= 20% w/ sphal > py. Estimated grade 9% (Pb+Zn). S2 surfaces qtz grey w/ scattered small silvery muscovite patches. TOI-271 very brken & rubbly / recov OK / 271-273 mod. brken w/ good recovery / 273-278.5 very brken & rubbly w/ good recovery / 278.5-EOI slightly brken w/ good recovery
L	2811	2868		22	5C*	"Leopard Rock"
						Very soft, dk green and grey streaked, PS2 foliated metabasite. Consists of soft grey matrix w/ thin discontinuous streaks of dk green chlorite. S2 surfaces are also grey w/ dk green streaks / spots. Matrix reacts very slightly to 20% HCl when powdered. Core slightly brken / recovery OK. Have thin gouge @ EOI - probably lithology related.
L	2868	2929		23	4D0	
						Very hard, grey-green, noncalcareous, slightly pyritic qtzite. Overall qtzite has dk green hue due to dissem chlorite (?). Contains thin laminae of red sphal parallel S2. Also has thicker diffuse bands of sphal-py-qtz parallel S2. thicker

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 6/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						bands are up to 2cm thick. Py is med grained w/ subhedral outline. S= bands & laminae have med hard, light grey, noncalcareous mineral as isolated porphs scattered through them. Total S= 15% w/ sphal > Py Estimated grade 9% (Pb+Zn) lower contact sharp // S2 Upper contact sharp // S2. Core mod. broken w/ good recovery
L	21929	31104		1214	5IC1*	
						Very soft, med green, PS2- foliated, chloritic phyllite Overall colour dk green w/ grey discontinuous stripes of qtz and/or white carbonate which reacts slowly in 20% HCl when produced Chlorite also forms dk green streaks and spots in med green matrix. S2 surfaces light green w/ dk green streaks and spots. Margins of unit for 1-2' consist of homogeneous, PS2 foliated, pale olive green 5D. Upper & lower contacts sharp parallel S2. Some later fracturing disrupt S2 w/ dolomite infilling fractures. Core slightly broken w/ good recovery
L	31104	31214	0	1215	14A14	(4DH±5)(5D64) 85:15: TRACE
						Dominantly a very hard, noncalcareous, dk grey, ribbon banded qtzite. Ribbons consist of white qtz-w/ dissem. py and reddish brown sphal. Intervals between ribbons consist of homogeneous, dk grey, fine-grained qtzite S2 surfaces are dk shiny to dull grey and mark fingers. Ribbons range in thickness from 0.5cm to 10cm - w/ most being <1cm Upper & lower margins of unit show progressive bleaching and lightening of qtzite to light grey & off white at contacts S2 surfaces are light grey to silvery white. Interval contains a few 2-5cm thick intervals of soft, noncalcareous, pale olive muscovite phyllite (5D64) Contacts are sharp parallel S2. S2 surfaces are silvery white.

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 6/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Total S= 25% w/ sphal > py Estimated grade 12% (Pb+Zn)
						TOI - 316.7 intact w/ good recovery / 316.7 - 320 very brkn changing to very rubbly downe hole. Recovery looks like 80-90% - spread out in box /
						320 - EOI very brkn w/ good recovery Some qtz infilled late steep fractures
L	13214 0	13316 0		1216	15C 1$	± 4 (4DO)(4A4) 70:25:05
						Dominantly a mdd to dk green, very soft, slightly kaolinitic, chloritic phyllite. Containe streaks and spots of dk green chlorite in pale green chlorite + carbonate matrix. Locally phyllite is altered to pale tan + grey matrix w/ streaks and spots of bright green "fuchsite", especially at upper & lower margins of unit.
						TOI - 328 contains 2 interbands (= 1.5' total) of 4A4. Very hard, dk grey, ribbony-banded schist. Schist contains abundant py + sphal in thin laminae // SZ and in late crosscutting fractures. Abundant white qtz infilling late fractures. Total S= 30% w/ sphal > py (2 x more) Estimated grade 13% (Pb+Zn)
						332.5 - EOI consists largely of white 4DO w/ thin metabasite bands. Very hard, light grey, noncalcareous schist w/ thin irregular sphal laminae // SZ. Sphal laminae almost have a stylolitic aspect Total S= 5% consisting of sphal. Estimated grade 7% (Pb+Zn)
						TOI - 334 core slightly brkn w good recovery / 334-335 very rubbly no obvious reasons for rubble recovery OK / 335-EOI intact w/ good recovery.

DDH 87G-15 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 6/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	131316 0	131412 5		127	141A01	BXA + GOUGE
						Rotated clasts of dk grey to black, fine-grained carbonaceous, noncalcareous ptxite in a fine soft carbonaceous mud matrix. Carbonaceous ptxite has typical HA ribbon-banded texture w/ scattered subhedral py porphs. Grade estimated @ 1-2% (Pb+Zn) although base metals may be hiding in matrix.
						TOI - 340.5 core very broken & locally rubbly // 340.5 - EOI core mod. broken. Recovery OK over entire interval Possible fracture / shearing plane in bxa 30°/c.a. (@ 340')
						Unit locally slightly porous on cut surface due to weathering of matrix.
L	131412 5	131511 5		128	141C15	
						Mod grey, hard, noncalcareous ptxite. Contains ribbon-banded HA texture w/ thin laminae consisting dominantly of ptx-py. w/ minor disseminated sphal. locally a microlithon texture is visible. Qtz-5= bands mainly parallel // S2 S2 surfaces are light silvery grey. Total 5= 10% w/ py >> sphal. Estimated grade 3% (Pb+Zn)
						TOI - 346 very broken w/ good recovery // 346 - 347.5 mod. broken w/ good recovery // 347.5 - EOI very broken & rubbly some incipient gouges along S2 Recovery looks reasonable.
L	131511 5	131718 0		129	141A01	±4
						Dk grey to black, very hard, noncalcareous, ribbon-banded, carbonaceous ptxite. S2 surfaces are dull to shiny black. Ribbon-banding is ptx-py ± fine sphal Intvls w/ sphal more common in upper ½ of intvl Locally microlithon textures defined by ribbon-banding and S2 carbonaceous pressure soln. stripes
						Total 5= ranges from 5 - 25% w/ py >> sphal. Overall grade estimated

DDH 87G-15
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 6/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						at 2-3% although local stretches will be 8% (Pb+Zn).
						Core very broken & rubbly throughout. At TOI have steep fractures
						w/ thin bxa texture. fracture orientation = 07/000. 326-366 only
						0.4' core recovered & some is redrilled. 375-EOI consists of BXA w/
						clasts of 4A in carbonaceous matrix. Bottom of interval is gouge.
						Except for 362-366 recovery looks OK.
						Bottom contact is BANKRUPTCY BREAK
L	378 0	389 4		30	5B6	(4A49) 75:25
						Dominant unit is mod. soft, light to med. grey, CS2 foliated, noncalcareous
						phyllite. S2 surfaces are light silvery grey to sterly grey. Phyllite
						is very micaceous, crenulation cluge defined by mica fltn. locally phyllite
						is finely laminated in shades of grey.
						Phyllite contains 2 interbands of dark grey, noncalcareous, very hard,
						ribbon-banded qtzite. (380.6-382, 387-389.4) Ribbon banding consists
						of grey qtz w/ interstitial, fine py + sphal. Minor splashy cpy infills late
						xcutting fractures. Qtzite has incipient microbxa texture w/ qtz "clasts"
						partly to completely enclosed by fine py + sphal. Total S= 25% w/ py ≈ sphal.
						Estimated grade 10-12% (Pb+Zn). 4A locally slightly porous w/
						"weathered" vugs along steep fractures. Contacts w/ phyllite look sharp -
						no major gouges - locally have some qtz veining.
						Core mod to slightly broken. Upper contact of unit is 5 cm gouge.
L						Possibly short intervals of ore-forming in generally uniform pelite deposition.
						the 4A does not look structurally interleaved into this sequence.

DDH 87G-1.5
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 6/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	13819 4	14316 0		131	15B16	± 2
						light grey to med grey, CSZ foliated, thickly to thinly laminated, noncalcareous phyllite. Laminated on scale 2-5 mm in shades of grey. SZ surfaces are med silvery to steely grey. Well developed CSZ cleavage defined by laminae and micaceous fibres. Minor irregular small qtz pods.
						Unit looks like it should be calcareous, but it isn't.
						TOI-419 Mod. broken w/ short rubbly intervals containing incipient gouge. Recovery ok. /419-EOI intact w/ good recovery
						EOH

Page _____ of _____

DDH 87G-15 (2 / 8) CURRAGH RESOURCES INC.

Structural Log Date: Dec 6/87 Logged By: LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	1 10 14	16 20	22 24	26	28 32	34 38	40 44	
S	1715	0 PS12					610	micaceous fltn.
ϕ	1715	0 C1S1x			210 01910			post-S2 fine crenulation cluge.
S	1815	0 P1S12					419	pervasive mica fltn + isoclinal folds
S	1919	0 C1S12	M			010 0100	714	cren. cluge in micas
								S1 down core axis
S	11118	0 P1S12					613	mica fltn
S	11318	0 P1S12					615	pervasive mica fltn
S	11514	0 C1S12	S			618 0010	715	micaceous cren. cluge
S	11714	0 P1S12					616	mica fltn
S	11818	0 C1S12				812 21710	618	4A ribbon banding
S	12016	0 P1S12					218	pervasive fltn in 5C
S	12116	0 P1S12					616	" " " "
S	12417	0 C1S12	Z			115 11810	614	4A ribbon banding
S	12515	0 P1S12					517	pervasive fltn in 5C4
S	12712	0 P1S12					615	ribbons of sphal in 4D
S	12912	0 P1S12					614	" " " " "
S	13101	5 0 P1S12					615	chlorite fltn in 5C
S	13113	0 C1S12	S			411 0100	615	ribbon banding in 4A
S	13116	0 P1S12					518	4A banding
S	13131	3 0 P1S12					612	banding in 4D
S	13141	4 0 C1S12				412 31115	715	ribbon banding in 4C5
S	13151	5 0 P1S12					516	4A banding
S	13161	8 0 C1S12	S			319 31410	519	4A banding
S	13181	0 P1S12					615	4A banding
S	13181	4 5 C1S12	M			010 0100	616	cren. cluge w/ micas
								fold nose in core
S	13191	7 0 C1S12				110 11810	612	S1 is steep - near core axis
S	14116	0 C1S12				314 0100	614	S1 goes back & forth S to Z
S	14314	0 C1S12	Z			115 2100	610	
								EOH

C.R.I. 1987 E – 4

DDH 87G-115 CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 6/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14	16 20	22 26	28 30	32 34	36 40	42
P	11811 3	11817 0				4IA14	
	11817 0	11912 0				4IA14	
	11912 0	11917 0				4IA14	(4DO)
	11917 0	12210 2				5IC14$1	
	12210 0	12213 2				4ID14	(5CH)
	12213 2	12217 2				5IC14	GOUGE
	12217 2	12313 5				4IA101	GOUGE
	12313 5	12319 1				5IC14#1	GOUGE
	12319 1	12414 0				4ID51	(4A4)
	12414 0	12417 5				4IA14	
	12417 5	12505 5				4ID101	
	12505 0	12518 8				5IC14$1	
	12518 8	12612 0				4ID101	
	12612 0	12614 3				4ID101	
	12614 3	12619 0				5IC14$1	
	12619 0	12712 8				4ID101	
	12712 8	12717 8				4ID101	
	12717 8	12811 1				4ID101	
	12811 1	12816 8				5IC1*	
	12816 8	12910 0				4ID101	
	12910 0	12912 9				4ID101	
	12912 9	13110 4				5IC1*	
	13110 4	13115 0				4IA141	(4D4)
	13115 0	13210 0				4IA14	
	13210 0	13214 0				4IA141	(4D4)
	13214 0	13218 0				5IC14$1	(4A4)
	13218 0	13313 7				5IC1$1	
	13313 7	13316 0				4ID101	(5C4$)
	13316 0	13412 5				4IA101	BXA
	13412 5	13417 0				4IC151	
	13417 0	13515 5				4IC151	
	13515 5	13515 0				4IA101	
	13515 0	13519 0				4IA101	
	13519 0	13612 0				4IA101	
	13612 0	13616 0				4IA101	
	13616 0	13716 5				4IA101	

DDH 87G-15 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 6/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	13705	13746				4A01	
	13740	13780				4A01	
	13780	13807				5B61	
	13807	13822				4A14	
	13822	13873				5B61	
	13873	13894				4A14	
							EOH

DDH 87G-15 (2 8) CURRAGH RESOURCES INC.

Page _____ of _____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 6/87 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
P	1813	1870	30142	57	23	4A4	
	1870	1920	30143	50	52	4A4	
	1920	1970	30144	50	55	4A4	(4D0)
*21.8	1970	2202	30145	232	21.8	5C4$	
	2200	2232	30146	32	38	4D4	(5C4)
	2232	2272	30147	40	27	5C4	GOUGE
	2272	2335	30148	33	48	4A0	GOUGE
	2335	2391	30149	56	41	5C4#	GOUGE
	2391	2440	30150	49	62	4D5	(4A4)
	2440	2475	30051	35	41	4A4	
	2475	2505	30052	30	45	4D0	
	2500	2588	30053	88	91	5C4$	
	2588	2620	30054	32	35	4D0	
	2620	2643	30055	23	40	4D0	
	2643	2690	30056	47	55	5C4$	
	2690	2728	30057	38	53	4D0	
	2728	2778	30058	50	54	4D0	
	2778	2811	30059	33	52	4D0	
	2811	2868	30060	57	69	5C*	
	2868	2900	30061	32	39	4D0	
	2900	2929	30062	29	35	4D0	
*	2929	3104	30063	185	195	5C*	
	3104	3150	30064	46	55	4A4	(4D4)
*	3150	3200	30065	70	49	4A4	
	3200	3240	30066	40	52	4A4	(4D4)
	3240	3280	30067	40	42	5C4$	(4A4)
	3280	3337	30068	57	68	5C$	
	3337	3360	30069	23	39	4D0	(5C4$)
	3360	3425	30070	65	67	4A0	BXA
	3425	3470	30071	45	59	4C5	
	3470	3515	30072	45	42	4C5	
	3515	3550	30073	35	47	4A0	
	3550	3590	30074	40	45	4A0	45
	3590	3620	30075	30	39	4A0	
	3620	3660	30076	40	07	4A0	
	3660	3705	30077	45	42	4A0	

DDH 87G-15 (2–8) CURRAGH RESOURCES INC.

Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY)

Date Dec 6/87 Sampled by ____

CODE (1)	FROM (10–14)	TO (16–20)	SAMPLE (22–26)	INTR. (28–30)	REC (m) (32–34)	UNIT (36–40)	DESCRIPTION (42)
	3705	3740	30078	35	4	4A01	
	3740	3780	30079	40	5	4A01	
	3780	3807	30080	27	2	5B61	
	3807	3822	30081	15	1	4A44	
	3822	3873	30082	51	5	5B61	
	3873	3894	30083	21	2	4A44	
							EOH

DDH 87G-115 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by KP

ASSAY LOG (SAMPLER'S COPY) Date Dec 6/87 Sampled by ____

	CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	1	10 A 14	16 A 20	22 26	28 30	32 A 34	36 40	42
55.3	P	1 1811 3	1 1817 0	3101 1412	1	12 3	4 1A 1 4 1 1	
57.0		1 1817 0	1 1912 0	3101 1413	1	15 2	4 1A 1 4 1 1	
58.5		1 1912 0	1 1917 0	3101 1414	1	15 5	4 1A 1 4 1 1	(4DO)
60.0		1 1917 0	1 2102 2	3101 1415	1	21 8	5 1C 1 4 1 $1	
67.1		1 2102 0	1 2132	3101 1416	1	13 8	4 1D 1 4 1 1	(5CH)
68.0		1 2132	1 2172	3101 1417	1	12 7	5 1C 1 4 1 1	GOUGE
69.3		1 2172	1 2135	3101 1418	1	14 8	4 1A 1 0 1 1	GOUGE
71.2		1 2135	1 2191	3101 1419	1	14 1	5 1C 1 4 1 #1	GOUGE
72.9		1 2191	1 2140	3101 1510	1	16 2	4 1D 1 5 1 1	(4A4)
74.4		1 2140	1 2175	3101 0511	1	14 1	4 1A 1 4 1 1	
75.4		1 2175	1 2150	3101 0512	1	14 5	4 1D 1 0 1 1	
76.2		1 2150	1 2188	3101 0513	1	19 1	5 1C 1 4 1 $1	
78.9		1 2188	1 2160	3101 0514	1	13 5	4 1D 1 0 1 1	
80		1 2160	1 2143	3101 0515	1	14 0	4 1D 1 0 1 1	
80.6		1 2143	1 2190	3101 0516	1	15 5	5 1C 1 4 1 $1	
82		1 2190	1 2128	3101 0517	1	15 3	4 1D 1 0 1 1	
83.1		1 2128	1 2178	3101 0518	1	15 4	4 1D 1 0 1 1	
84.7		1 2178	1 2811	3101 0519	1	15 2	4 1D 1 0 1 1	
85.7		1 2811	1 2816 8	3101 0610	1	16 9	5 1C 1 * 1	
87.4		1 2816 8	1 2910 0	3101 0611	1	13 9	4 1D 1 0 1 1	
88.4		1 2910 0	9 2912 9	3101 0612	1	13 5	4 1D 1 0 1 1	
89.3		1 2912 9	1 3110 4	3101 0613	1	1 19 5	5 1C 1 * 1	
94.6		1 3110 4	1 3115 0	3101 0614	1	15 5	4 1A 1 4 1 1	(4D4)
96.0		1 3115 0	1 3210 0	3101 0615	1	14 9	4 1A 1 4 1 1	
97.5		1 3210 0	1 3214 0	3101 0616	1	15 0	4 1A 1 4 1 1	(4D4)
98.8		1 3214 0	1 3218 0	3101 0617	1	14 2	5 1C 1 4 1 $1	(4A4)
100		1 3218 0	1 3313 7	3101 0618	1	16 8	5 1C 1 $1	
101.7		1 3313 7	1 3316 0	3101 0619	1	13 9	4 1D 1 0 1 1	(5C4$)
102.4		1 3316 0	1 3412 5	3101 0710	1	16 7	4 1A 1 0 1 1	BXA
104.4		1 3412 5	1 3417 0	3101 0711	1	15 9	4 1C 1 5 1 1	
105.8		1 3417 0	1 3515 5	3101 0712	1	14 2	4 1C 1 5 1 1	
107.1		1 3515 5	1 3515 0	3101 0713	1	14 6	4 1A 1 0 1 1	
108.2		1 3515 0	1 3519 0	3101 0714	1	14 5	4 1A 1 0 1 1	
109.4		1 3519 0	1 3612 0	3101 0715	1	13 9	4 1A 1 0 1 1	
110.3		1 3612 0	1 3616 0	3101 0716	1	10 7	4 1A 1 0 1 1	
111.6		1 3616 0	1 3716 5	3101 0717	1	14 2	4 1A 1 0 1 1	

DDH 87G-115 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 6/87 Sampled by ____

	CODE	FROM (ft)	TO (ft)	SAMPLE	INTR.	REC ~~(m)~~ (ft)	UNIT	DESCRIPTION
	1	10 14	16 20	22 26	28 30	32 34	36 40	42
112.9		131710.5	131714.6	31010718	1	14.3	4A01	
114		131714.0	131718.0	31010719	1	15.4	4A01	
115.2		131718.0	131807	31010810	1	12.2	5B61	
116.0		131807	131822	31010811	1	11.6	4A41	
116.5		131822	131817.3	31010812	1	15.8	5B61	
118.0		131817.3	131819.4	31010813	1	12.1	4A41	
								EOH

PROJECT _____ DRILLHOLE NO. 876-15 COORDINATES: N _____ DATE Dec 6 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -60° 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.	
74		0		0													Tricone
78		3.7		1.5													
82		4.4		0.8													
87		5.2		2.4													
91		0.7		0													
96		4.3		0													
101		5.0		0.4													
105		4.6		0													
109.5		6.0		0.5													spread out
113		4.4		0													
117		4.1		0.5													
122		5.0		2.2													
127		5.4		0													
131		5.0		0													
133		2.0		0													
135		1.7		0													
139		3.2		0.5													
142		2.9		0													
145.5		2.5		0													
151		4.5		0.8													
155		4.7		0.4													
159		2.2		0													
161.5		2.3		0													
165		3.0		0.5													
170.5		5.0		0.4													
175.5		5.2		0													
180.5		6.0		0													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 87G-15 COORDINATES: N _____ DATE Dec 6 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ 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.	
185		2.4		0													
187		0.7		0													
192		5.0		1.4													
197		5.4		3.0													
202		3.4		0													
207		3.8		0.4													
212		5.3		1.6													
217		5.2		1.4													
222		5.2		1.3													
227		3.5		1.2													
232		2.9		1.1													
237		4.5		1.2													
242		3.9		0													
247		5.6		1.5													
252		6.0		1.6													
257		5.3		2.7													
262		5.4		0													
265		4.0		0.5													
270.5		6.0		2.5													
276		6.2		2.0													
280		5.5		0.8													
285		5.6		3.2													
290		5.6		2.4													
295		5.5		3.3													
299		3.6		0.4													
304		5.4		2.1													
309		5.4		2.7													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 87G-15 COORDINATES: N _____ DATE Dec 6 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER _____ INCLINATION -60° 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.	
314.5		5.3		2.1													
320		4.0		1.1													
325		5.0		0													
330		5.5		2.8													
335		5.8		1.6													
340		4.8		0.5													
345		6.0		1.3													
350		6.5		0.4													
355		4.8		0													
359		4.0		0.5													
362		3.3		0													
366		0.4		0													
370.5		3.5		0													
374		4.0		0													
378		4.7		0.6													
385		3.9		2.5													
387		5.3		1.5													
392		5.0		1.8													
395		3.4		0.4													
400		5.5		1.8													
405		4.8		1.4													
410		5.8		1.5													
415		5.3		1.7													
420		5.6		1.3													
426		5.4		3.4													
431		5.1		4.0													
436		5.4		2.2													
									EOH								

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: ____

Hole Number: 876-16

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Grum deposit

Claim: ____

Terr.Plane Co-ords.: 6904817.34 N

592471.0 E

Grid Co-ords: 66W

Elevation: 1269.85

All symmetry determinations looking

Total Depth: 270 feet (

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth ____.

Purpose: test near surface reserves + met. samples + piezometer

Reason hole Terminated: reached phyllite after drilling through ore

Logged by: ____ Date(s) Logged: ____

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented: No Steel down Hole: 30' NW casing + casing shoe

Assay Lab: MINE

Certificate No's: ____

Size	CORE From	To
NW	0	100
NQ	100	270

Collar Cased and Capped: No

Started: Nov 30/87 Completed: Dec 2/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-116 (2 … 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T	87G-116						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	87G-116	100	180.0	010.0	AT COLLAR
R	87G-116	2517	177.0	323.0	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
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
	2 … 8	10 … 56

DDH 87G-16
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 8/87 Logged By: CUR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	0 0	100 0		1	#	Triconed — no recovery
L	100 0	124 0		2	#	TILL Recovered pieces of rounded, redrilled 10AB biotite-muscovite granite and 5C metabasite No mud matrix recovered. Only 0.7' core.
L	124 0	146 7		3	4D0	±5 ±4 (4C0 ±5) 50:50 ?? Recovered variably sized pieces of hard, medium-grey, moderately pyritic, noncalcareous qtzites. Locally pieces show development of paper-thin carbonaceous folia. Also pieces locally contain abundant fine-grained, reddish-brown sphalerite. Locally fracture surfaces have patchy yellow-tan weathering surface. Mainly between 125-126 have recovered pebble sized, rounded, pieces of granite, white qtz, phyllite — presumably cave from overburden. Overall grade of unit difficult to determine because of poor condition of core — probably 5-6%. Core is entirely rubble. Recovery not good. TOI - 125 - 1.0' / 125-126; 0.6' pebbles / 126-129; 1' / 129-132; 1' / 132-135; 1.4' @ 133.5 have 1" interval of greyish phyllite gouge / 135-137; 0.8' / 137-142; 2.8' / 142-EOI 1.2' core — ~144' 0.4' of grey phyllite mud gouge.
L	146 7	152 0		4	10Q0	(4L0 gouge) 60:40 Mainly white pegmatitic bull qtz vein. Locally porous due to weathering of carbonates. Below qtz vein is soft punky light grey gouge w/ abundant small phyllite chips. Contacts of gouge lost in rubble. Core very broken & rubbly. Only 2' core recovered. Possibly a significant fault? cutting off the ore body?!

DDH B.7G-1.6
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 8/87 Logged By: CVR / LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1520	2128		5	5B6	2 minor [5B6]
						Moderately soft, noncalcareous, finely CS2 foliated, med. grey phyllite. S2 surfaces
						are medium steely grey and only very slightly mark fingers w/ light grey residue.
						Phyllite thickly laminated in shades of grey due to subtle differences in carbon
						content. CS2 crenulation finely spaced micaceous fltn — not a coarse-
						textured easily visible microlithon texture. Contains typical amount of
						pegmatitic white foliaform bull qtz.
						TOI-157 very brken w/ 3.8' recovered. Local incipient gouge in thin
						intvl's // S2.
						157-162 very brken to rubbly w/ 2.9' core
						162-167 very brken to rubbly w/ OK recovery
						167-172 gouge and rubble gouge 167-168 grey mud w/ phyllite flakes
						only 2.5' core recovered.
						172-198.2 core intact to locally slightly brken w/ good recovery
						198.2-202 core extremely brken w/ OK recovery.
						202-EOI mod. brken w/ good recovery
L	2128	2261		6	4L24	± $ minor (10Q0 ± 9)(5B6) 70:20:10
						4L is mod. soft to locally mod. hard, pale cream w/ greenish tinge, dominantly
						noncalcareous muscovite phyllite. Contains thin light grey to brown, disrupted
						qtz-py discontinuous stringers w/ minor base metals locally present. Uppermost
						6" of unit is slightly dolomitic. S2 surfaces pale cream w/ greenish tinge.
						Pegmatitic white qtz vein 216.2'-219.2'. Qtz vein fractured @ margins. Fractures
						contain fine py and minor base metal.
						Soft, medium grey, noncalcareous, slightly carbonaceous phyllite. S2 surfaces
						med. grey & do not mark fingers. Locally contains fine-grained py aggregates in fractures.

DDH 87G-16 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 8/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI - 217 core slightly brken to intact w/ good recovery.
						217 - 219.3 extremely brken & rubbly due to qtz vein. / recovery OK
						219.3 - EOI slightly brken w/ very brken intervals at end of runs. / Recovery OK
						In 4L Total S= 3-4%, dominantly py Stringers are < 0.5cm thick.
L	12216 1	12131 25		17	141A101	[5A169]
						Hard to locally mod. soft, black, noncalcareous, carbonaceous qtzite. S2 surfaces are shiny black & mark fingers. Unit highly fractured along steep fractures. Unit is fine-silt bet'n 4A & 5A. Matrix is fine grained grey qtzite separated by S2 pressure solns shipes consisting of soft black phyllite up to 1 cm thick. It also lacks the white qtz-py ribbon banding typically associated w/ 4A. So it is trying to be a 4A but doesn't totally make it.
						Total S= 6-7% Occurs as fine py laminae w/ minor base metals defining both S1 and S2. Grade 2-3% (Pb+Zn)
						Core very brken. Recovery OK. Local incipient gouges < 1.5" thick @ 228 and EOI.
L	12131 25	12131 40		18	1101Q191	(5C4$) (4L0) 80:10:10
						Very pyritic white pegmatitic bull qtz. Py infills abundant fractures @ margins. Course Sphal also present in some fractures. Within qtz veins is 1.5" band of soft, slightly dolomitic, pale olive green metabasite. Contains bright green "fuchsite". Top contact of qtz has 1" selvage of soft, gunky, creamy, noncalcareous muscovite phyllite.
						Core very brken. Recovery OK.

DDH 87G-16
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 8/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	2340	2398		9	4A01	
						Hard, black & brassy grey, noncalcareous, carbonaceous qtzite. Ribbon banding on a scale < 1cm thick defined by fine py w/ interstitial grey qtz. Base metals only locally seen in bands. Bands define both S1 and S2 cleavages. Locally bands displaced along abundant fractures. Total 236-237 bxa texture along fractures — fragments not moved far or rotated much. Locally fractures weathered to form deep scars and pores. S2 surfaces are shiny black. Total S= 25%, mainly py. Grade 4% (Pb+Zn). Core extremely broken along fractures w/ one intact interval 235.5-236.9. Recovery OK.
L	2398	2420		10	4E46	$ minor (4C3) 90:10
						Light tannish salmon yellow, homogeneous, fine-grained massive, pyritic-barite? S= Minor dolomite disseminated in matrix throughout. Top 4" has S= in S= bxa texture w/ large subangular py+ba+sphal clasts up to 2cm across in fine sphal matrix. Clasts only separated by 1-2mm of matrix material. Locally core has deep scars & pores from weathering along fractures. Total py ~80% / remainder barite, qtz, dolomite, sphal. Grade 9% (Pb+Zn). Bottom 4" consists of med. grey, hard, pyritic qtzite. Highly fractured w/ spaces along fractures. Py content 40-45%. At most 3% (Pb+Zn). Bottom contact sharp against phyllite gouge. Core mod. to very broken / Recovery OK

DDH 87G-16
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Dec 8/87 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	2420	2537		11	5B6	GOUGE
						Soft punky, grey, noncalcareous gouge w/ numerous grey phyllite fragments in mud matrix. Locally have angular fragments of white qtz.
						Core is gouge but it is intact. / Recovery good. Bottom contact against rock parallel S2 cluge. Near bottom another rock contact has orient 30° core axis. Gouge against probable clast of more competent material. 2' core loss between 242-246
L	2537	2700		12	5B6	±2 minor
						Mod. soft, locally finely CS2 foliated, noncalcareous, med. grey to locally dark grey phyllite. S2 surface range from shiny silvery grey to duller dark grey. Locally thin micaceous pressure soln stripes / folia form fine crenulation cluge. Locally unit has thin qtz laminae typically containing fine dissem py. Minor foliaform white pegmatitic qtz veins from 1"-8" thick. Minor incipient phyllite gouge locally - parallel S2 - about ½" thick.
						Core mod. broken / locally very broken 259.6-263.2
						Between 259-261 1' core lost / 265-270 1' core loss.
						EOH

Page _____ of _____

DDH B.7.G.-1.6. (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Dec 8/87 Logged By: CVR/LLP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		11512 5	CS12				316	micaceous f/bn
S		11717 0	CS12				212	micaceous f/bn CS2 → PS2
S		11811 0	CS12			315 / 1910	517	micaceous f/bns
S		11915 0	CS12			117 0010	310	micaceous f/bns
S		12111 20	CS12			113 01010	618	micaceous f/bns
S		12216 0	CS12			719 11810	517	micaceous f/bns
S		12319 0	CS12			210 01010	414	banding in 4A
S		12515 0	PS12				518	micaceous f/bn
S		12619 5	PS12				514	micaceous f/bn

DDH 87G-161 (2 8)

CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CVR/LCO

ASSAY LOG (SAMPLER'S COPY)

Date Dec 8/87 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	11214 0	11219 0				4 C D 10 1	
	11219 0	11312 0				4 C D 10 1	
	11312 0	11317 0				4 C D 10 1	
	11317 0	11412 0				4 C D 10 1	
	11412 0	11417 0				4 C D 10 1	
	12112 8	12116 8				4 L 2 4 1	
	12116 8	12130 0				10 Q 10 1	5B6
	12130 0	12160				4 L 2 4 1	
	12160 0	12310 2				4 A 0 1	
	12310 2	12312 5				4 A 0 1	
	12312 5	12314 0				10 Q 19 1	
	12314 0	12317 0				4 A 0 1	
	12317 0	12319 8				4 A 0 1	
	12319 8	12420				4 E 4 16 1 $	

DDH 87G-116 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR/LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 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
	1/214 0	1/219 0	301442	150	36	41C1D101	
	1/219 0	1/312 0	301443	130	115	41C1D101	
	1/312 0	1/317 0	301444	150	32	41C1D101	
	1/317 0	1/412 0	301445	150	32	41C1D101	
	1/412 0	1/417 0	301446	150	117	41C1D101	
	121128	121168	301447	140	144	41L12141	
	121168	121230	301448	162	178	11D1Q101	SB6
	121230	121260	301449	130	133	41L12141	
	121260	121310	301450	142	145	41A101	
	121310	121325	301451	123	132	41A101	
	121325	121340	301452	115	114	11Q1Q191	
	121340	121370	301453	130	138	41A101	
	121370	121398	301454	128	141	41A101	
	121398	121420	301455	122	120	41E14161$	

DDH 87G-116 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR/LCP

ASSAY LOG (SAMPLER'S COPY) Date Dec 8/87 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
37.8		1 1214 0	1 1219 0	3 0 1 4 1 4 2	1	1	4 1 C 1 D 1 0 1	
39.3		1 1219 0	1 1312 0	3 0 1 4 1 4 3	1	1	4 1 C 1 D 1 0 1	
40.2		1 1312 0	1 1317 0	3 0 1 4 1 4 4	1	1	4 1 C 1 D 1 0 1	
41.8		1 1317 0	1 1412 0	3 0 1 4 1 4 5	1	1	4 1 C 1 D 1 0 1	
43.3		1 1412 0	1 1417 0	3 0 1 4 1 4 6	1	1	4 1 C 1 D 1 0 1	
64.9		1 2111 8	1 2116 8	3 0 1 4 1 4 7	1	1	4 1 L 1 2 1 4 1	
66.1		1 2116 8	1 2123 0	3 0 1 4 1 4 8	1	1	1 1 D 1 Q 1 0 1	5B6
67		1 2123 0	1 2216 0	3 0 1 4 1 4 9	1	1	4 1 L 1 2 1 4 1	
68.9		1 2216 0	1 2310 2	3 0 1 4 1 5 0	1	1	4 1 A 1 0 1 1	
70.2		1 2310 2	1 2312 5	3 0 1 4 1 5 1	1	1	4 1 A 1 0 1 1	
70.9		1 2312 5	1 2314 0	3 0 1 4 1 5 2	1	1	1 1 0 1 Q 1 9 1	
71.3		1 2314 0	1 2317 0	3 0 1 4 1 5 3	1	1	4 1 A 1 0 1 1	
72.2		1 2317 0	1 2319 8	3 0 1 4 1 5 4	1	1	4 1 A 1 0 1 1	
73.1		1 2319 8	1 2412 0	3 0 1 4 1 5 5	1	1	4 1 E 1 4 1 6 1 $	

PROJECT _____ DRILLHOLE NO. 876-16 COORDINATES: N _____ DATE Dec 8/87 1987

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ 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.	
100		0		0													Tricored
125		2		0													
126		0.7		0													
129		1.0		0													
132		1.0		0													
135		1.5		0													
137		0.9		0													
142		2.7		0													
147		1.5		0													
152		1.9		0													
157		3.8		0													
162		3.0		0													
167		5.3		1.2													
172		2.7		0													
176		3.7		1.1													
178		3.3		0													
182		4.1		1.7													
187		5.6		4.6													
192		4.4		2.8													
196		5.0		4.2													
201		6.0		2.9													spread
206		6.4		2.5													"
210		3.7		1.5													
214		3.6		2.0													
219		5.9		2.3													
223		3.7		0.7													
227		4.1		1.5													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 876-16 COORDINATES: N _____ DATE Dec 8 1987

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ 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.	
232		5.6		0													spread
237		5.4		1.2													
242		5.6		2.6													spread
246		1.8		0													
251		5.2		0													gouge
254		3.5		0													
259		3.7		2.1													spread
261		0.9		0.4													
265		4.0		1.1													
270		3.8		0.4													
							EOH										

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-17

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: Champ Zone

Claim: _____

Terr.Plane Co-ords.: 6904465.58 N

592558.67 E

Grid Co-ords: 56W / 3S

Elevation: 1260.08

All symmetry determinations looking

Total Depth: 446 feet (

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: test Champ zone reserves + met. samples + piezometer hole

Reason hole Terminated: drilled completely through Doal Lake Fault

Logged by: LCP / CVR

Date(s) Logged: _____

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NW	0	140
NQ	140	446

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: MINE

Certificate No's: _____

Started: Dec 3/87 Completed: Dec 6/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 87G-17 (2 8)

Date: _____ Logged By: _____

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

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	87G-117	100	181.01°0	101.10	AT COLLAR
R	87G-117	2313 0	171.5	216.710	
R	87G-117	4313 0	171.5	015.010	
R			.	.	
R			.	.	
R			.	.

DDH 87G-17 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP + CUR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	10	140 0		1	#1	TRICONED - NO RECOVERY
L	140 0	158 0		2	#1	TILL Drilled boulders & pebbles overwhelmingly of 10AB musc + bio granite w very minor 5C metabasite & phyllite. Except for top 5' there is no mud mtx preserved. 140-158 10' of core i.e. slightly over 50% recy. This may give a reasonable estimate of proportion of boulders in the till.
	158 0	160 0		B	5B62	Weathered Soft, dark grey, noncalcareous, phyllite. S_2 surfaces are shiny dark grey when fresh. Both cut & S_2 surfaces have a weathering coating which is orange → yellow rust. Core is very broken. Recy is O.K.
	160 0	198 0		H	5B62	Moderately soft, medium → dark grey noncalcareous, CS_2 foliated phyllite. S_2 surfaces are shiny dark grey. Unit contains thin qtz siltstone laminae up to 1cm thick. These laminae typically define microlithons within S_2 pressure solution striping. Isolated porphs occur throughout the unit. Interval also contains foliaform qtz + cc veins / pods / lenses. TOI → 182 is very broken w local rubble + incipient gouge associated w pegmatitic qtz veins / 182 → EOI core slightly broken w short rubbly intervals associated w qtz veins.

DDH 87G-17
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP + CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1192 0	2047		5	4L2	4
						Moderately soft, PS2 foliated, pale greenish-cream, noncalcareous musc phyllite. S2 surfaces are waxy silvery cream w̄ pale greenish tinge. Fine py + lesser reddish sph form thin irregular stringers dominately along S2. These stringers are associated w̄ thin qtz-siltstone laminae. TOI → 194.5 is very broken associated w̄ foliaform qtz veins. /194.5 → EOI slightly broken w̄ short insignificant moderately broken → rubbly intervals.
	2047	2135		6	5B62	
						Similar to unit 4, a noncalcareous, medium dark grey, CS2 foliated phyllite. Abundant qtz siltstone laminae. S2 surfaces are dark steely grey. Unit contains scattered isolated Py porphs. TOI-208 very broken /208-EOT very broken w̄ abundant incipient gouge along steep fractures which are generally ∠20° to core axis. No significant faults. Recry is GOOD.
	2135	2154		7	4K2	(10Q9$) 50:50
						Light cream, moderately soft, noncalcareous musc phyllite. Phyllite contains abundant fine Py stringers mainly along S2. Intimately interbanded w̄ phyllite is pegmatitic white bull qtz w̄ associated coarse dol & abundant fine py + chl. Total S= 40% dominately Py. Core is very broken w̄ incipient gouge + rubbly intervals. Recry is O.K

DDH 87G-17

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP + CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12|15|4	12|17|0		B	4E14	± $
						Moderately hard, dark brassy yellow, pyritic massive S=. Sph occurs as thin streaks // to Sz. Locally these streaks are slightly porous due to dissolution of carbonates. Dol is dess- locally in mtx. Est Pb + Zn 11%. Uppermost 2" is very soft + contains soft pale blue mineral on fracture surfaces. Blue colour may be caused by association of covert. Core is very broken. Recy is O.K
	12|17|0	12|25|2		9	4A4	3 (404 ± 3) 50:50
						Very hard, nonlaminated, qtzite. Upper 1/2 is dominately carbonaceous w shiny black Sz folia. Ribbon banding is defined by abundant qtz + sph + sph bands // to Sz. Total S= 40% w py >> sph. Est Pb+Zn 6%. In lower 1/2 of unit the qtzite becomes a pale greenish-grey. Total S= are about 30-35% w Sph slightly < Py. S= are extensively remobilized from qtz sulphide banding to infilling of fine x-cutting fractures. Est Pb/Zn 11%. Core is very broken from TOI → 222 dominately along shiny fractures w some open pores developed along fractures. 222 → EOI moderately broken. Recy is O.K for entire interval.
	12|25|2	12|31|2		10	4G4B	6 ± # (1098 $) (4E4) Porous 80: 15: 05
						Thickly laminated, moderately soft → moderately hard, slightly dolomitic baritic - pyritic massive S=. Dol is evenly dess- in matrix. Calcite is also dess- in matrix locally. Compositional banding is < 5mm thick and is delineated by variations in Py, Sph + Ba content. Mag is ubiquitous as small specks.

DDH 87G-17

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP + CVHR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						cut surface is very porous both along fractures & pits in compositional banding. Total S= ≈ 70%. Est Pb+Zn ≈ 13%
						Interbanded w/ 4G in short intervals is 4E4. This unit
						is a brassy-yellow py w/ thin compositional bands consisting
						of small py porphs scattered within a reddish-brown sph
						rich matx. The sph rich bands typically weather recessively
						and are softer & more friable than py bands. Est Pb+
						Zn 12% comb.
						Interval 227.8 → 228.7 is a coarse grained qtz+dol
						vein. Vein is heavily fractured w/ abundant chl, fine py &
						fine sph infillings. Dominate mineral in qtz vein is a very
						soft pale green, nonsiliceous mineral which may be altered
						clays ?
						Core is slightly broken, Recov is good.
	12312 2	12316 3		111	1101819	$ (4H4) (4G4) 90:5:5
						Coarse grained, irregular pegmatitic white qtz w/ associated
						very irregular tan weathering dol., Py, Gal, + Sph infill fractures.
						Upper 1/2 of qtz vein contains a large amount of highly
						altered pale green soft phyllite/clay? Int 233.1 → 233.7
						is deep reddish-brown baritic S= 234.8 → 235.4 is fine grained
						massive Po w/ dest sph. Marginal contacts of S= against qtz
						are irregular. Est Pb+Zn (overall) 7%. Core is moderately
						broken w/ good recov.

DDH 87G-17 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: ECP & CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121316 3	121318 7		112	151B16	2 minor
						Medium grey, noncalcareous, soft. PSz foliated phyllite. Sz surfaces are medium shiny grey. Core is very broken. Recy is O.K.
	121318 7	121414 0		113	141D10	
						Hard, noncalcareous, creamy white qtzite. Sz surfaces are silvery-cream w abundant muse flakes. Contains diffuse thick laminae to thin bands of fine py + red sph. These bands are generally < 1cm thick + dominately define S_1 foliation surface. Total $S^=$ ≈ 15% w Py > Sph. Est Pb+Zn 6%. Core is intact to slightly broken, recy is good. Locally, steep fractures < 15° to core axis + infilled w ankerite? and py. It is uncertain whether this is a highly altered wallrock phyllite, or altered 4A.
	121414 0	121517 9		114	141A14	
						Dark grey, very hard, noncalcareous qtzite. Sz surfaces are shiny black + strongly mark the fingers. Total $S^=$ are about 20%. $S^=$ consist dominately of sph in fine streaks + laminae // to S_1 + S_2 cleavages. Light qtz + sulphide bands are not common and only constitute 5% of rock volume. Est Pb+Zn 12%. Locally, fractures // to core axis are infilled w qtz + are vuggy. Core is slightly broken TOI → 253.5 / 253.5 → EOI core moderately broken. At 245.2 there is minor re-drilled 10AB granite core. Recy is O.K for entire unit.

DDH 87G-17 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP + CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12517 9	12616 5		115	14A14	±3 (4D0 ±3) minor (4L2 ±) minor
						Dark grey, very hard, noncalcareous qtzite. S_2 folia are shiny black + strongly mark fingers. Ribbon banding w light qtz + py ± spl is more common than last unit. Banding constitutes 30% of rock volume. Main difference is that this unit contains 10-15 cm bands w abundant diss py + sph which "overprints" the qtz sulphide ribbon banding. Marginal contacts are ll to S_2. Interval contains minor 2-3" intervals of cream-green dolomitic musc+chl phyllite w local selvages of light grey pyritic qtzite. These short intervals may represent altered metabasite. Total S= is about 35% with Py ≈ Sph. Est Pb+Zn 12%. TOT-262 is very broken, recy is O.K. 262→EOT moderately broken, recy is good.
	12616 5	12619 9		116	14D10	
						Hard, creamy-grey, CS_2 foliated qtzite. Unit is noncalcareous. S_2 surfaces are qtz grey w patchy silvery musc. Light musc pressure solution streaks are locally seen. Py + Sph occur in thin bands + laminae defining S_1 + S_2 cleavages. Upper 1/3 of unit is more pyritic than remaining unit. Total S= ≈ 25% w Py > Sph. Est Pb+Zn 9%. Again it is uncertain whether unit is altered wallrock phyllite or altered 4A. Core is intact. Recy is Excellent.

DDH 87G-17 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	12619 9	12714 3		117	51B612	$1 → (5B20) 70:30
						Upper part of the unit is a moderately hard, dark grey, slightly dolomitic, CS2 foliated phyllite. S2 surfaces are dark steely grey and slightly mark the fingers. Unit contains abundant medium grey qtz siltstone laminae + bands which locally is 60% of rock volume. There is a rapid transition to a moderately soft, dark grey, moderately calcareous phyllite forming the lower ½ of unit. Core is moderately → very broken. Recov is good.
L	12714 3	12803 7		118	51B417	± B10 ± 0
						Moderately hard, pale greenish-grey, PS2 foliated, moderately calcareous phyllite. S2 surfaces are cream to greenish tinge. Calcite is dess throughout the mtx. cc+ qtz are common as foliaform veinlets infilling fractures. Commonly these veinlets have thin brown biotite selvages. Center of the unit, the greenish colour is masked by a medium → dark grey colour. Interval looks to be slightly altered to a musc+chl phyllite w introduction of abundant qtz+cc veinlets. Both upper + lower contacts are gradational. Core is slightly broken. Recov is good.
L	12803 7	12817 3		119	51B10	± 2 minor
						Medium grey, moderately soft, CS2 foliated, calcareous phyllite IT contains abundant qtz+cc siltstone laminae separated by light → medium dark grey phyllitic laminae. S2 surfaces are

DDH BZG-17-8

CURRAGH RESOURCES INC.

Lithologic Log

Date: DEC 9/87 Logged By: CCP & CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Silvery grey → dark grey. Core is slightly broken. Recy is good
	12817	13015		210	51B16	
						Light grey, soft, dolomitic, CS_2 foliated phyllite. Microlithons are defined by abundant qtz + dol siltstone laminae + bands. S_2 surfaces are silvery-grey. Core is slightly broken. Recy is excellent. There are local intervals w/ steep fractures commonly containing incipient BuH textures. Fractures are infilled w/ calcite, + are locally porous due to weathering. Angle on fractures is ∠10° to core axis
	13015	13096		211	51B10	± B/C
						Light grey, moderately soft, CS_2 foliated, calcareous phyllite. CC occurs w/ qtz in thin siltstone bands which define microlithons. S_2 surfaces are medium grey. Core is slightly → moderately. Recy is excellent. Locally qtz siltstone laminae contain dess- biotite.
	13096	13180		212	51B61	
						Moderately soft, light grey, dolomitic, phyllite. Dolomite is dess- w/ qtz in thin siltstone laminae which locally define micro-lithons. S_2 surfaces are light → medium grey. TOI → 315 is moderately broken Recy is good / 315 → 817 moderately broken but contains incipient rubble developed along steep fractures. Fractures are infilled w/ qtz + dol + cc. Some S_2 surfaces are incipiently gouged. Recy is good / 317 → EOI core is slightly broken. Recy is good. Presence of dol may be

DDH 87G-17

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: CCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						related to this fracture system.
	131 18 0	132 17 3		213	15 B 10 1	± B10 ± 2 (500) minor Moderately soft, medium grey, calcareous, CS_2 foliated phyllite. Locally phyllite is dark grey for short intervals. cc is associated w/ qtz in thin siltstone laminae & define microlithons. Diss- bio occurs locally in siltstone laminae. S_2 surfaces are dark shiny grey. Thin dark olive green bands containing qtz siltstone laminae are reminscent of SD fractures, thickest band is 1"ø. Core is intact. Recy is good.
						at 325.5 → 326.5, the phyllite contains elongate black fine grained chert nodules up to 3cm X 1cm.
	132 73	134 10 8		214	15 B 10 14	± B10 Moderately soft, calcareous, light creamy grey PS_2 & CS_2 foliated phyllite. S_2 surfaces are light waxy grey. Overall colour is a faint bleaching of regular grey phyllite. Bio is patchy developed as selvages to qtz + cc fracture infillings + microlithons. Interval is extensively incipiently fractured w/ en-echelon fractures filled w/ qtz & cc. Core is moderately broken. 336 → 337 - incipient rubble & gouge associated w/ fractures. Recy is good.
	340 8	351 8 2		215	15 B 18 13	B10 Moderately soft, very calcareous, CS_2 foliated, light greenish-grey phyllite. Microlithons & compositional band typically consist of fine → medium grained grey cc + qtz. S_2 surfaces are

DDH 87G-17
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP & CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						steely → silvery grey. Cut surface has a pale greenish tinge probably due to lower carbonaceous material which might mask interant chlorite. Biotite patchily developed in the matrix commonly as selvages to the more calcareous bands. Core is slightly → moderately broken. Recy is good.
	13518 2	13619 4		1216	15D10	
						Moderately soft, calcareous, PSz foliated, pale olive grey-green chl + musc phyllite. Contains diffuse laminae + bands of dess cc up to 1cm thick. These define the S_1 foliation + in many cases are sub // to S_2. S_2 surfaces are light olive grey-green. Core is slightly → moderately broken, recy is good. Lower contact marks a textural change to microlithons going down the drill hole.
	13619 4	13717 0		1217	15B10	± B10 minor.
						Moderately soft, calcareous, poorly CSz foliated, greenish-grey phyllite. Cut surface has a dull greenish tinge. S_2 surfaces are silvery grey. Small microlithons are poorly defined by diffuse calcite laminae + micro-foliations. Lower contact is gradational. Minor dess biotite noted in calcite laminae. Core is slightly broken. Recy is good.
	13717 0	13812 0		1218	15B10	
						Moderately soft, pale grey, calcareous phyllite. S_2 surfaces are light silvery grey. Microlithons are locally well defined by thin cc + qtz siltstone laminae. Minor irregular Py porphs scattered throughout. Locally, contains steep fractures // to core axis. Core is moderately broken. Recy is

DDH 87B-17
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						good.
	131812 0	131817 7		1219	151316 1$	± 2 minor (5D6) 90:10
						Pale grey, PS2 foliated, moderately soft, slightly dolomitic phyllite. Locally contains minor dark grey intervals. S2 surfaces are generally a light silvery grey. Contains minor steep fractures infilled w/ qtz. Locally qtz has a pale orange weathering coating. 387 → EOT is a pale olive grey strongly PS2 foliated dolomitic musc+chl phyllite. Strongly laminar texture marks this as a 5D rock type. S2 surfaces are silvery-greenish-grey. Core is moderately broken w/ 2" rubble zone at 287. Recvy is GOOD.
						The unit has patchy pale yellow weathering stain on cut surface.
	131817 7	131819 6		1310	151361$	± 1 BxA.
						Highly fractured, moderately soft → hard, slightly dolomitic, grey phyllite. Abundant thin fractures are infilled w/ dol + lesser py. Contains small phyllite clasts in a fine grained laced phyllite gouge matrix. this unit marks top of duke lake fault. The fractures are ≈ 55° to the core axis. Core is moderately → very broken w/ small gouges near the top. Recvy is O.K.
	131819 6	131913 7		1311	141E141$	(4E$) (4A4) (4L1) BxA.
						Unit consists of large clasts or fragments of S= + qtzose ore types. Locally the matx consists of a silicified silvery-grey phyllite. Contacts between different rock types are sharp +

DDH 87G-17 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: LCP & CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						appears to be steep fractures w displacement between rock types along these fractures. Overall grade ≈ 7-8% Pb+Zn. About 70% of unit is massive S=, 20% is 4L + remaining 10% is 4A Core is very broken. 390→391½ is rubbly, some open space occurs along the steep fractures. Recov. is O.K. Is this the overturned fold limb or is it material caught in fault zone?
	139137	139170		312	15B16	$
						Medium grey, moderately soft, dolomitic phyllite. S2 surfaces are medium→dark grey. The foliation is extensively disrupted along small fractures, giving the unit a very distorted "wavey" appearance. Fracture orientation is 000/32°. Core is intact. Recov is good.
	139170	141153		313	15A10	GOUGE
						Black mud gouge w frags of pegmatitic white qtz + locally minor pyritic S=. Gouge foams slightly when sprayed w HCL. S2 surfaces are shiny polished black (on fragments). Entire interval is mud gouge. Core is only slightly broken. Recov is good, except for interval between 407→412 1' of core loss. This is part of DOAL LAKE FAULT! UG!
	411 53	143 11 3		314	14L10	(5A) (5C4$) GOUGE
						TOI→427 is a light silvery white→pale grey gouge & highly disrupted phyllite. 427→428 very dark grey highly disrupted phyllite. 428→429 is a pale→bright green homogeneous dolomitic

DDH B7G-17

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 9/87 Logged By: CLP + CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						+chl +musc. phyllite. Locally it contains spots of bright green "fuchsite" 429 → EOI very dark grey, highly disrupted, noncalcareous phyllite. These last two units mark the main interval of the DOAL LAKE FAULT.
						Unit is gouge + very broken phyllite. Core is moderately broken. Recy is good.
	141311 3	141416 0		135	13610	
						Soft, PS_2 foliated, medium grey, noncalcareous phyllite. S_2 surfaces are steely-grey. The phyllite has a very homogeneous aspect. TOI → 437 very broken + rubbly, recy is O.K / 437 → EOI very broken w minor incipient gouge in last foot. Recy is O.K.
						EOH

DDH 87G-17 CURRAGH RESOURCES INC. Page 16 of

Logged by LCD + CLR

ASSAY LOG (SAMPLER'S COPY) Date DEC 9/87 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	12135	12154	308511	19	25	14L12	
	12154	12170	308522	16	17	14E14	± $
	12170	12210	308533	40	50	14AD	4
	12210	12252	308544	42	49	14D14	
	12252	12284	308555	32	36	14E16	4
	12284	13122	308566	38	43	14E16	4
	13122	13136	308577	41	50	1101Q	(4H4) (4C4) 90:5:5
	13136	13187	308588	24	29	15B162	
	13187	14140	308599	53	64	14D10	
	14140	14185	308600	45	55	14A14	
	14185	15135	308611	50	55	14A14	
	15135	15179	308622	44	51	14A14	
	11517	12162	308633	41	53	14A1314	
	12162	12165	308644	45	48	14A1314	
	12165	12199	308655	34	36	14D10	
	13819	13913	308666	41		14E14	$ missing
			EOH				

C.R.I. 1987 E-5

DDH 87G-17 CURRAGH RESOURCES INC. Page 16 of

Logged by LCR & CLR

ASSAY LOG (SAMPLER'S COPY) Date DEC 9/87 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
65.1		121135	121154	310851	19	25	1 14 L 12	
65.7		121154	121170	310852	16	17	1 14 E 14	± $
66.1		121170	121210	310853	40	50	1 14 A D	4
67.4		121210	121252	310854	42	49	1 H D 14	
68.6		121252	121284	310855	32	36	1 H E G	4
69.6		121284	121312	310856	38	43	1 14 E G	4
76.9		121312	121363	310857	41	50	1 1 10 Q	(4 H 4) (4 6 4) 90:5:5
72.0		121363	121387	310858	24	29	15 B 6 12	
72.8		121387	121404	310859	53	64	1 14 D 10	
74.4		121404	121485	310860	45	55	1 14 A 14	
75.7		121485	121535	310861	50	55	1 14 A 14	
77.3		121535	121579	310862	44	51	1 14 A 14	
78.6		121579	121620	310863	41	53	14 A 13 14	
80		121620	121655	310864	45	48	14 A 13 14	
81.2		121655	121699	310865	34	36	1 14 D 10	
		131819 6	131937	310866	41		1 14 E 14	$ Missing ???
118.8								
				EOH				

C.R.I. 1987 E-5

DDH 87G-17 (2 / 8) CURRAGH RESOURCES INC.

Structural Log

Page _____ of _____

Date: DEC 9/87 Logged By: LCP + CUR

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	
		11 16 14 0	C S 12	S		1 10 0 10 10	6 12	Micaceous Foliation
		11 18 15 5	P S 12				8 14	" "
		11 19 10 0	P S 12				7 10	PS2 approaching CS_2
		12 10 17 0	P S R				7 5	Micaceous Foliation
		12 R 17 0	P S 12				4 17	Comp. banding in 4E
		12 13 17 0	P S R				4 10	Micaceous Foliation
		12 14 1 0	C S 12			5 17 3 14 10	8 15	Banding in 4D
		12 15 10 0	C S 12			8 17 0 10 10	5 3	Ribbon banding in 4A.
		12 16 6 0	C S R			4 1 0 10 10	7 10	Banding in 4A
		12 18 17 0	C S 12			3 10 3 14 10	6 10	Micaceous Foliation
		13 10 16 0	C S 12	Z		7 7 0 10 10	5 3	" "
		13 11 18 5	C S 12			3 10 0 10 10	5 8	" "
		13 12 17 0	P S 12				4 5	" "
		13 14 19 0	P S 12				5 11	approaching CS_2 Micaceous Foliations
		13 17 11 5	C S 12	Z		6 16 0 10 10	5 13	Micaceous Foliation
		13 18 15 0	P S 12				5 5	" "
		13 19 15 0	P S 12				7 8	" "
		14 13 12 0	P S 12				7 11	" "
		14 14 15 0	P S 12				6 8	" "

PROJECT GRUM DRILLHOLE NO. 87G-17 COORDINATES: N _____ DATE DEC 9 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER LCF + CUR INCLINATION -90° 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.	
140																	TRICONED
145		2.1		0													
148		0.7		0													
152		2.7		0													
153		0.8		0													
158		1.9		0													
160		2.3		0													
164½		4.1		0													
170		5.3		0.9													
172		1.5		0													
177		5.3		1.4													
182		4.8		0.4													
187		5.5		1.5													
192		4.7		2.8													
197		5.5		1.3													
202		5.0		1.8													
207		5.6		1.9													
212		5.1		0													
217		5.8		1.2													
222		5.3		0													
227		5.5		2.6													
232		5.2		2.6													
237		5.5		1.8													
242		5.5		2.3													
245		3.7		1.9													
249		4.8		2.6													
252		2.5		2.0													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-17 COORDINATES: N _____ DATE DEC 9 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER LCD + CLR. INCLINATION -90° 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.	
257		5.6		1.9													
262		6.2		0.6													
267		5.2		2.4													
272		5.0		2.8													
277		5.6		2.1													
282		5.1		3.4													
287		5.3		2.5													
292		5.0		3.7													
297		5.4		4.4													
302		5.1		3.0													
307		5.5		1.3													
312		5.2		2.3													
317		6.0		0.9													
322		5.1		3.8													
327		5.0		3.9													
332		4.8		3.0													
337		5.6		1.0													
342		5.2		2.2													
347		5.3		3.6													
351		5.0		1.4													
357		5.4		1.6													
362		4.6		2.2													
367		5.2		2.1													
372		5.3		3.0													
377		5.1		2.4													
382		5.0		0.8													
387		5.5		0.8													

Fig. 1. Typical rock mechanics core log.

PROJECT GRUM DRILLHOLE NO. 87G-17 COORDINATES: N _____ DATE DEC 9 1987

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER LCP & CUR INCLINATION -90° 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.	
391½		5.0		0.5													
397		5.6		1.8													
402		5.5		0													
407		5.5		0													
412		3.7		0													
417		5.3		0													
422		5.1		0													
427		4.7		0													
432		3.6		0													
434		2.6		0													
438		2.7		0													
441		3.5		0													
446		4.8		0													
		EOH															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of _____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-18

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: SE of Grum deposit

Claim: _____

~~Terr.~~ UTM Plane Co-ords.: 6904 836.9 N

592 834.0 E

Grid Co-ords: _____

Elevation: 1286.97

All symmetry determinations looking

Total Depth: 172 feet (

NW with 52 dipping

Inclination: -90° (vertical)

SW with dip azimuth _____.

Purpose: piezometer hole east of proposed Grum pit

Reason hole Terminated: bedrock reached.

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: ARCTIC DIAMOND DRILLING

Hole Cemented: No

Steel down Hole: No

Collar Cased and Capped: No

CORE Size	From	To
NW	0	160
NQ	160	172

Assay Lab: _____

Certificate No's: _____

Started: Dec 7/87 Completed: Dec 8/87

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH _____ (2 – 8)

Date: _____ Logged By: _____

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

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

DDH 87G-18

CURRAGH RESOURCES INC.
Lithologic Log

Date: DEC 11/87 Logged By: LCP KCUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	116 10 0				TRICONED - NO RECOVERY
						Hole makes water starting at 120'. Suspected bedrock starts
						at 150' based on steady hard conditions during triconing.
						No overburden recovered.
	116 10	117 12 0			13 GD	Weathered.
						Light grey w slight greenish tint, moderately soft, PS_2
						foliated, non calcareous phyllite. S_2 surfaces + fracture surfaces have
						a patchy orange-brown-rust coating. TOI → 164 is moderately
						broken w 2.5' of recovery 164 → 172 is very broken + rubbly
						w 4' of core recovered.
						Where fresh, S_2 surfaces are silvery grey.
						EOH
						Note: Purpose of Hole is for perimeter in
						overburden installation.

DDH 87-G-1B (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: DEC 11/87 Logged By: LCP + CUR

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	
		116120	PS12				65	Microcrous Foliation

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87G-19

Project: 1987 Grum drilling

Location: _____

Claim: _____

~~Terr.~~ UTM Plane Co-ords.: 6 905 032.5 N

592 812.3 E

Grid Co-ords: _____

Elevation: 1299.93

Total Depth: 200 feet

Inclination: -90° (vertical)

Reference Fabric Orientation Diagram:

Water at 130 feet - flowing heavily

All symmetry determinations looking

_____ with _____ dipping

_____ with dip azimuth _____.

Purpose: piezometer hole south and east of grum pit

Reason hole Terminated: reached bedrock @ 200 feet

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: _____

Hole Cemented: _____ Steel down Hole: _____

CORE

Size	From	To
NW	0	200

Collar Cased and Capped: _____

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			•	•	ATCOLLAR
R			•	•	
R			•	•	
R			•	•

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 87 G-20

Reference Fabric Orientation Diagram:

Project: 1987 Grum drilling

Location: _____

Claim: _____

~~Terr.~~ Plane Co-ords.: 6905271.4 N

592875.7 E

Grid Co-ords: _____

Elevation: 1301.89

All symmetry determinations looking

Total Depth: _____

_____ with _____ dipping

Inclination: -90° (vertical)

_____ with dip azimuth _____.

Purpose: piezometer hole NE of proposed Grum pit

Reason hole Terminated: _____

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: _____

	Size	CORE From	To	Collar Cased and Capped:
Hole Cemented: _____ Steel down Hole: _____	NW	_____	_____	_____
Assay Lab: _____	_____	_____	_____	
	_____	_____	_____	

Certificate No's: _____

Started: Dec 12/87 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					
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R					
R					
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R					
R					
R					
R					
R					
R					
R					

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