012152

10-9 68

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-01

Reference Fabric Orientation Diagram:

Project: Grum 1989 Fill-In

Location: _____

Claim: _____

UTM ~~Terr.~~Plane Co-ords.: 6,904,657.961 N 6,000.24 N

592,529.452 E 2,639.22 E

Grid Co-ords: 61+00W / 1+00 N

Elevation: 1272.271

All symmetry determinations looking

Total Depth: 655 feet 199.6 m. _____ with _____ dipping

Inclination: -90° vertical _____ with dip azimuth _____.

Purpose: Test facies transition of upper horizon in Main Zone

Reason hole Terminated: Drilled through ore

Logged by: C.V. Reed

Date(s) Logged: June 26-29, 1989

Drilling Contractor: ~~Arctic~~

Hole Cemented: No Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

CORE Size	From	To
NW	0	154
NQ	154	655

Collar Cased and Capped: No

Started: June 21/89 Completed: June 24/89

Bedrock at 148'

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-01 (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	89G-01						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	89G-01	0	-90.0	0.0	AT COLLAR
R	89G-01	1042 5	-88.0	193.8 / 146.0	SPIERRY-SUN
R	89G-01	1501 5	-87.0	176.8 / 129.0	SPIERRY-SUN
R	89G-01	1958 5	-87.0	188.8 / 071.0	SPIERRY-SUN
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 89G-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 26/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
	0.0	154.0		01	#	TRICONED - NO RECOVERY
		4.69				
	154.0	155.3		02	#	Redrilled IOAB boulder fragments. Largest fragment 1" ø
	46.9	47.3				0.4' rec'd.
	155.3	191.4	1	03	5B6Q	
	47.3	59.1				Mod soft, CS2 thinly laminated, medium grey → locally dark grey, noncalcareous, moderately carbonaceous phyllite. S2 surfaces dominately medium to dark steely grey, slightly matt lustre. Contains abundant thin microlithons defining S1 + S2. No obvious fold hinges or faults. Local thin steep fractures infilled with v. fg qtz ± calcite. Fractures contain local traces of Po & Py in small irregular fine "agglomerates" generally < 0.5 cm ø.
						FOI → 157.0' v broken, 1.6' rec'd.
						157.0 → 167.0' rubble, 2.4' rec'd.
						167.0 → 174.5' mod broken along S2, 5.1' rec'd.
						174.5 → 178.2 v broken along steep fractures 3.7' rec'd.
						178.2 → 188.5 mod broken along S2. 7.5' rec'd.
						188.5 → FOI v broken, recov good.
	191.4	212.3	3	04	5A	± 1 ± 9
	59.1	65				Dark grey to black, mod soft to locally hard, CS2 laminated, locally siliceous, locally dolomitic?, carbonaceous phyllite. Contains abundant thin fine light grey microlithons defined by fine qtz + dol ± fine diss sph ± traces of fine py. Unit appears to be locally transitional to 4A, but good

DDH B.9.G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 04

Date: June 26/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						sulphide ribbon banding is absent. S_2 surfaces dark grey → black. Contains local minor thin steep fractures infilled w/ qtz + calcite. Fractures locally porous due to weathering of carbonate. Top 2' of unit contains several highly fractured, foliaform coarse segmentitic qtz veins ranging up to 3" thick. No major faults.
						Core is mod broken along local steep fractures.
						Recov is good.
						Top contact sharp, // to S_2, marked by increase in carbon content
						Bottom contact gradational over few inches → marked by decrease
						in well developed light grey, fine grained, qtz + dol siltstone
						laminae. Siltstone laminae range from < 2mm to 2 cm thick
						and define S_1 & S_2. Core is locally rusty due to weathering of
						carbonate in fractures.
	211.13 3	214.13 9		015	15A*	± 9 minor ± 1 minor
	65.0	71.3				Similar to higher unit, qtz + dol siltstone laminae less
						abundant, only local minor fine Py within qtz rich laminae.
						Unit (S_2 foliated, dark grey → black, S_2 surfaces medium
						grey → black & only slightly mark fingers. Top contact marked
						by slight softening of rock + 1' incipient fracture interval
						at 214.1 one thin 1/2 cm thick // S_2 band containing
						fine red-brown sph. Phase two fold hinge marked by
						thin white qtz rich bands at 216.2
						TOJ → 214.6 rubble due to fracturing, 1.4' rec'd.
						214.6 → EOI mod broken along S_2 & local thin fractures,
						recov good.

DDH B.9.G.-0.1 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Page 05

Date: June 26/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1214139	1214194		1016	15A11	96 → [4A0]
	74.3	76.1				Mod hard to hard, dark grey → black noncalcareous, siliceous, carbonaceous phyllite transitional to qtzite. Contains abundant thin light grey qtz ± sulphide bands approaching a ribbon banded texture. Bands are dominately < 1/2 cm thick + define S_1 + S_2. Bands show local displacement along pressure solution laminae. Sulphide is dominately fine diss^n py and local minor sph. Overall sulphide content < 2%. S_2 surfaces carbon black + marks fingers. Contains local very thin steep fractures infilled w/ qtz + calcite + dol.
						No faults. Zone mod^{ly} broken along S_2. Recvy good.
	1214194	1215186		1017	14A14	
	76.1	78.8				V hard, dark grey → black ribbon banded carbonaceous qtzite. Ribbon banding ranges on a scale of 1mm to 3 cm thick and aligned // to S_1 and S_2. Bands contain either fine diss^n red-brown sph + minor fine py in qtz. Locally py is more abundant however sph rich bands are more abundant overall. Banding defines several phase 2 fold closures - appears to be an M region. Contains local thin micaceous laminations defining S_1 + S_2.
						251.4 → 253.1 incipient gouge + brx zone. 2 cm thick gouge @ 253.1 // to S_2.
						Overall grade 8-10% Pb+Zn. (Almost all Zn).
						TOJ → 251.4 slightly broken, recvy good.
						251.4 → 253.1 mod^{ly} broken along fractures
						253.1 → EOJ slightly broken, recvy good.

DDH B.9.G-10.1
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 06

Date: June 26/89 Logged By: CUR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121518 6	121612 5		1018	15A11 16	± 9 minor → [4A0]
	78.8	80.0				Blk, siliceous, noncalcareous, CSz laminated, carbonaceous phyllite.
						Qtz - sulphide ribbons banding present in higher 4A is gone. Unit
						is softer w increase in thin micaceous laminations. Qtz rich
						bands are generally thin, < 0.5 cm and define S1 + S2.
						Sz surfaces black + mark fingers. Bottom 1' of unit
						contains abundant thin fractures infilled w qtz + calcite. Fractures are
						steep - associated w fault zone beneath it.
						Core mod broken, 3.4' rec'd.
	121612 5	121613 6		1019	15A	Gouge ± bzA.
	80	80.3				Soft, black, carbonaceous phyllite gouge. Top contact lost
						in rubble, bottom contact // to Sz. Contains steep internal
						fractures < 20° to core axis. Gouge contains local small assemblages
						of fine Py (< 1/2 cm ϕ)
						1.1' of gouge recovered.
	121613 6	121719 7		1110	15A16	± 1 ± 9 minor.
	80.3	85.3				Mod soft to locally hard, dark grey to black, locally
						siliceous, noncalcareous, carbonaceous phyllite. S1 U_2 increases moving
						down hole. Qtz contained dominantly in thin fine light
						grey bands ranging up to 2 cm thick and gradually are
						more abundant moving down the interval. Contains local minor fine
						diss Py within qtz-rich bands. Sz surfaces are dark grey →
						black
						Core highly fractured w incipient breccia. TOI → 268.7.

C.R.I. 1987 E-3A

DDH 89-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Page 07

Date: June 26/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						5.3 ft rec'd.
						268.7 → 269.1 carbonaceous phyllite gouge, sousc contact 20° to core axis 0.4' rec'd. No orientation possible.
						269.1 → 274.5 v broken along steep fractures 2.4' rec'd.
						274.5 → EOI v broken very good.
	12 17 19 7	12 18 16 0		1 1 1	1 4 A 10	± 7 minor (4CO ± 7 minor) (5C4*) 85:10:5
	85.3	87.2				TOI → 284.4 mod-hard → hard, blck locally CS2 foliated ribbon banded, carbonaceous qtzite, S2 surfaces carbon-blck. & strongly marks finger, ribbon banding (also minor Po) def'n by fine grey qtz, lesser fine Py ± diss Sph ± traces of Gal, Banding def'ns S1 & S2 & ranges on a scale up to 1cm thickness, Contains locally abundant thin miraceous fltns, carbon is conc along these fltns., Qtz S= banding represents 70% of Rx Volume. Pyrite content = 12-15%, Po = 3-5%, Pb + Zn = 2-4%
						284.4 → 285 Moderately soft, thinly laminated, pale olive green, dolo-mitic?, ankeritic? Musc, chlorite phyllite, S_2 surfaces are mottled dull olive green & grey, Contains local thin x-cutting fractures infilled w qtz & Py Unit slightly reacts w 20% HCl when powdered. Bottom & Top contacts are sharp, ll to S_2 The unit is slightly altered
						285 → EOI Very hard, poorly banded, light grey, barren, slightly magnetic, Pyritic - Qtzite, Banding defn'd by pyrite, minor Po & ranges in scale up to 2cm thick, S= banding defn's S_2. Local miraceous fltn ll to S_2 also minor pale green chlorite infills a steep fracture

C.R.I. 1987 E-3A

DDH 89G-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 27/89 Logged By:

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Py content = 15%; Core is slightly broken & recovery is good
	218160	218175		112	15C1*	±4 I Bxa Pale olive green, striped, laminated, PS_2 foliated, chloritic - phyllite. Bottom contact sharp // to S_2. Bottom contact marked by 2cm thick gouge. S_2 surfaces are a medium green. Striping def'n by chlorite & tan ankerite & range up to 2mm thick. The top 6 inches of the unit appears to be brecciated. Top contact w/ 4C is sharp along fracture which trends 10° to core axis. Bottom 4 inches altered to cream-tan color. Core is slightly broken. Bottom 1 inch of unit is rubble-gouge. Core recovery is good.
	87.2	87.6				
	218175	219147		113	4G10	± 1 minor
	87.6	89.8				From moderately hard to hard. PS_2 Py banded massive 5=1 sulfate. Banding ranges on a scale of 1mm-2cm, defines the S_2, consists of dominant fine Py << Sph & locally contains diss' qtz. Barite content approx 40%, Py content approx 50% Pb+Zn ranges from 4-8%.
						286 - 288.3 Slightly broken along steep fracture.
						288.3 - 291.5' Very broken along steep fracture.
						291.5 - EOI Slightly broken. Core recovery is good for entire interval.
	294 7	301 2		114	5C4H*	(4D0 Bxa) 90:10.
	89.8	91.8				Dominant unit is moderately soft, pale olive green & tan striped. chloritic, ankeritic - phyllite. Striping defined by olive green chlorite, defines S_1 & S_2

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Unit contains 3 or 4 phase II fold closures. Top contact marked by 3cm thick green phyllite gouge. Interbanded in this unit from 297.3 to 298.5 is a very hard 5= banded qtzite, 5= consists of dominant Py << Sph & Gal. Banding defines S_2. 5= content is 50-60%. Qtzite broken due to tight isoclinal folding. Contacts w/ meta basite are irregular & are likely fracture contacts. Estimated Pb+Zn 8-10%, dominantly Sph. Metabasite slightly altered to tannish-cream color. TOI → 295 is very broken w/ incipient phyllite gouge. from 295 → EOI core is moderately broken. Bottom 3 inches of unit is incipiently Brecciated. Core recovery is good.
	3101 2	3101 5		1 1 5	4 1 6 0	(5C4x) trace
	91.8	93.7				Dominant unit appear to be same as unit 13. Barite content is slightly less, approx 30%, Py is approx 50%., Pb-Zn is 6-8%. Banding ranges on a scale up to 2cm. It defines S_2 & consists of dominant Py & lesser honey colored Sph. It is hard to very hard & appears to contain interstial qtz to the barite. Qtz content 10-15%. Centered at 304.5 is a highly broken, soft, altered, meta basite band. The band x-cuts S_2 & is approx 2 inches thick? The band contains specks & "fuchsite" 46 contains local steep fractures which are x-cutting S_2. infilled w/ dol. Bottom contact is a ductile flow breccia against 4A and an irregular

DDH 89G-01

180/29

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						2 inch diameter clast of Unit 4A. This clast has broken off into the massive S⁼. Core is slightly broken except for metabasite band which is rubble. Recovery is good.
	310 12 5	311 22		116	4H4A10	BXA.
	93.7	95.2				Highly fractured, black carbonaceous qtzite breccia. Abundant thin fractures infilled w/ qtz & lesser thin Py & locally w/ dol. Fractures generally less than 2mm thick. S⁼ banding poorly developed. The breccia may be due to tight isoclinal folding. Indv. 4A clasts range in size up to 5 inches. Appears to be some rotation of clasts. S⁼ content overall 10%, dominantly Py w/ traces of sph. Bottom contact is sharp 29° to core axis, 180° from S_2. Overall grade is less than 1%. Core moderately broken along fractures. 4 inch rubble zone at end of run (309 ft.) Recovery is good.
	311 22	311 56		117	4A10	
	95.2	96.2				Very hard, locally CS_2 foliated. Dk grey to black carbonaceous qtzite. Ribbon banding is poorly developed & thin & defines S_2 & S_1. S_2 surfaces are carbon black. Bands are generally less than 1cm thick & average 2mm. They consist of dominant Py, much lesser sph & interstial fine grey qtz. Qtz S⁼ bands constitute 10% of volume of rock. Local lithon texture defined by fine grey qtz laminations. Estimate of Py = 8%, Pb+Zn = 2%

DDH 89-G-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 27/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
						dominantly sph. Core is moderately broken along S_2. Recovery is good.
	131.56	132.55		18	51A11*	(5C4*) 4C0 75:25:5
	96.2	99.2				Highly mixed unit consisting of dominant dk grey to black thinly banded to moderately soft carbonaceous phyllite. Unit is locally CS_2 foliated. S_2 surfaces are dull dk grey, contains local bands ranging up to 1cm, consisting of qtz + dol. Bands are aligned // to S_2. Intermixed in this unit are 4 thin bands of soft pale olive green & tan striped, slightly altered metabasite. Contacts are // to S_2 The metabasite bands range on a scale from 2 to 20 cm's. The bands are altered to a buff tannish green. The contacts in carbonaceous phyllite are marked by decreased carbon over intervals up to 10cm.
						TOI → 316.3 is a very hard, poorly banded, pyritic-qtzite, contacts are // to S_2. Py content ≈ 50%. Contains minor reddish-brown sph infilling thin fractures. Estimated Pb+Zn = 2% dominantly sph.
						TOI → 321.2 Core is slightly broken along S_2.
						321.2 → EOI " " moderately " " " steep x-cutting fractures & S_2. Fractures range up to 1cm & are infilled in dolomitic gouge. Core recovery is good.

DDH B-90-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 27/89 Logged By:

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131215 ST	131293		119	14A10	
	99.2	100.4				Dk grey to blk. qtz $S^{=}$ ribbon banded carbonaceous qtzite. S_2 surfaces are carbon blk & mark fingers. Unit is same as 17. Qtz $S^{=}$ bands are poorly developed & thin ranging from 1mm to ½cm thick. Dominant $S^{=}$ is Py. local traces of sph Py content is 15%, Pb+Zn is 1-2%. locally thin fine grey qtz lithons define S_1. Core is moderately broken. Recovery is good
	131293	131324		210	14C10	-micaceous (5C4*) 75:25
	100.4	101.3				Dominant unit is a light grey, highly fractured, very hard Pyritic qtzite. Py occurs dominantly in thin fractures Contains local thin micaceous laminations defining S_2. Py content ≈ 35%. Reddish-brown sph occurs in traces in fractures. Interbanded in this unit are 4 thin intervals of moderately soft. musc-chlorite-dol-phyllite Unit is altered to a tan-green. Contacts in qtzite are sharp & // to S_2. Intervals range from 1cm to 8cm thick. S_2 surfaces are a dull olive green. Core is moderately broken. Recovery is good
	131324	131479		211	15A10#	→ [5B2#7] (10Q9) minor
	101.3	106.0				Dk grey to blk, moderately soft. Dominantly PS_2 foliated. locally CS_2 foliated. Carbonaceous musc-phyllite. Contains thin qtz-calcite siltstone bands & laminae defining S_2 & locally S_1. Ranging on scale from <1mm to

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By:

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						1cm thick. Top & bottom foot of interval alot replaces calcite in these bands. So surfaces are shiny dk grey. Locally they are black. Overall this SA appears lighter than SA log at top of the hole. It appears to be transitional to a SB2 $. It contains local steep cutting, rassed fractures. Infilled w dominant white calcite & qtz. " are generally less than 20° to core axis & range in ∓3mm thickness
						At 333.2 → 334.5 There is a white pegmatitic qtz vein:, margins are brecciated. Fractures are infilled w Py. Core is slightly broken, Recovery is good.
	13417 9	13611		1212	14A10	(SA196) (4CO) micaceous
	106.0	110.1				TOT - 348.6 Very hard, Py banded, light grey & brassy yellow) striped qtzite. 5= bands consist of fine Py in lesser interstal fine grey qtz. Py appears to have been re-mobilized into later thin fractures Bands are generally less than 1cm & constitutes ∓ 30% of rock volume. Contains local traces Cpy with local fractures. Paper thin micaceous laminations occur locally & define Sz.
						348.6 - 352.1 Moderately soft to locally hard, black, locally siliceous. Meo-calcareous - carbon-aceous phyllite. Has local thin qtz - siltstone laminae which define Sz. Qtz rich bands also

DDH B.9.G.-.0.1 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						occur in bands occuring 1cm thick & define S_2. S_2 surfaces are dull carbon blk. Py occurs in traces w-in qtz rich bands & also forms fine irregular aglomerates in fractures. $S^=$ content is 3-4%. Dominantly Py. Sph occurs in traces locally w-in qtz rich bands.
						352.1 - 361.1 Mixed unit, dominant unit is a very hard qtz - $S^=$ ribbon banded carbonaceous qtzite. Qtz $S^=$ banding defines S_1 and is locally warped around phase 2 fold hinge. There appears to be 2 hinges in top 2 feet. S_2 surfaces are shiny blk & mark fingers. Unit is barren of base metal. Py is about 25% of rock. Inter-banded in the bottom 5 feet are 2 intervals of moderately soft & locally hard carbonaceous phyllite, same unit as the higher 5A. Contacts w 4A are sharp & // to S_2. The carbonaceous phyllite and qtzite appears to be repeating down the hole due to phase 2 fold closures.
						TOI - 348.9 (core) is intact.
						348.9-352.9 (10%) is moderately broken along S_2. Appears to be a foot of core loss in this interval.
						352.9 - 360.5 Slightly broken, recovery is good.
						360.5 - 361.1 moderately " along S_2.
	316 11 1	317 10 3		213	15A 16	±1 ±9 ± Bxa (4L12 4 trace)
	1120 1	1121 9				
						Dominant unit is a dominantly soft, non-calcareous

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 22/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						dk grey to black carbonaceous phyllite. S_2 surfaces are dk shiny grey. Dominantly PS_2 foliated. Contains abundant thin qtz rich bands aligned parallel to S_2. Qtz bands contain local minor diss' Py & minor Po. Py & lesser Po also infill fractures. Interbanded w TDI to 361.9 364.9 - 367.3 is light grey altered musc - chlorite phyllite S_2 surfaces are a mottled light grey - green & have talcose coatings. Margins of 4L are // to S_2 contains minor local stringers of Py & traces of Sph & Gal. Core is very broken along steep fractures. Appears to be several phase 2 fold hinges repeating 4L in this unit. Core recovery is good. @ 362.5 there is a highly fractured 3 inch qtz vein. Bottom 4 feet of the unit is highly fractured & brecciated. Breccia due to folding & not faulting.
	13 17 10 3	13 17 12 3		12 14	15 C 4	*
	112.9	113.5				Homogeneous pale tannish green, dolomitic?, ankeritic?, chloritic phyllite. Local specks of bright green 'fuchsite' Thin chloritic laminations are // to S_1 which is trending straight up & down the core axis. Contact w higher 5A appears // to S_1. Contact w lower 4A is // to S_2. Again the true thickness of this meta basite is much thinner. This band of meta basite is trending sub-parallel to the core axis. Core is moderately broken & recovery is good.

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By: CUK

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	31712	31753		R15	14A10	
	113.5	114.4				V hard, dark grey → black, barren, carbonaceous qtzite. Sz surfaces carbon black - marks fingers. Sulphide banding is poorly developed. Banding is thin, generally < 2mm & defined by qtz + diss' fine py. No visible gal. Sph occurs in traces within qtz py bands. Unit is CS2 foliated. Retained by abundant black paper thin micaceous laminations & qtz py banding. Est % Py for interval is 8-10%. Banding & laminations displaced by local steep thin fractures. Unit is very hard, contact w higher metabasite & lower 4L is sharp 11 to Sz.
						Est % Pb+Zn ≤ 1-2%
						Core is moderately broken along fractures. Recvy is good.
						Continued Next Page.

DDH B.9.G-.0.1 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 27/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	3715 3	3814 5		216	4L1 1314	(4AQ) 80:20
	114.3	117.2				Dominant unit is moderately soft to locally hard, non calcareous, moderately siliceous, musc - chlorite phyllite. Has abundant thin stringers of fine Py & lesser Gal & sph. S_2 surfaces are dull mottled pale green & light grey. $S^=$ content is approx 4-5%. Interbanded in this unit are 3 intervals of very hard carbonaceous qtzite. $S^=$ bands within qtzite are poorly developed and generally define S_2. Bands of 4A range from 8cm to 20cm thick & occur in the bottom 5 feet of the interval. Margins of 4A // to S_2.
						TOI - 379.0 core is moderately broken. Recovery good.
						379 - 381.9 " " very " " " "
						381.9 - EOI " " moderately " " "
	3814 5	3916 0		217	4A10	(5A61 minor ± Bra) 85:15
	117.2	120.7				
						TOI - 386.7 very hard & barren, carbonaceous qtzite. Qtz - $S^=$ banding is poorly developed where present ranges up to ≈ 1cm in thickness. Dominant $S^=$ is Py, Py content is approx 8-10%. No visible Sph & Gal
						386.7 - 392.4 highly broken, fractured, moderately soft, locally hard, locally siliceous carbonaceous phyllite.
						390 - 392.0 Unit is incipiently brecciated & gouged.

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI - 388.5 - Core is very broken, recovery is good.
						388.5 - 392.1 - " " rubble & gouge. 2 feet recovered.
						392.1 - EOI Core is very broken along steep fractures & S_2. Recovery is quite good
						392.0 - EOI ~ hard, dark grey → black, barren, carbonaceous qtzite, same as higher 4A in interval, ribbon banding is poorly developed. Py content = 10-12% lower contact w 4L is lost in rubble.
	13916 0	14011 0		218	4L4L0	± 3% minor.
	120.7	122.2				Unit is a whitish grey, PS_2 laminated, altered. musc. > chlorite - phyllite. Local thin stringers of dominant fine Py & traces of Gal + Sph local incipient gouge from 398.1 → 400.5 S= content ranges from 3-5%. Core is moderately broken except for gouge intervals at 398.7 → 399.3 & 400.4 → 400.6 Core recovery is good.
	14011 0	14059		219	5IA119	(4C7 ± 3% minor)
	122.2	123.7				Dominant unit is moderately soft, locally hard, moderately siliceous, carbonaceous - phyllite. It's highly fractured & broken along steep fractures & S_2. Contains local - minor Py assoc w thin qtz rich bands. Unit is approaching a 4A but qtz S= banding is locally & poorly developed.
						403.3 - 404.5 incipient gouge present along fractures.

DDH 89-6-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 27/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						(not a significant fault.)
						401.3 → 403.0 Highly fractured, ṽ hard, locally micaceous. Po > Py Qtrite. Po occurs as ductile flow bands up to 5cm thick flowing around larger micaceous qtrose intervals. These intervals may be clasts in Po, also "floating" in Po are subrounded white clasts of dol & calcite. Medium green chlorite also infills thin fractures. Reddish brown sph occurs diss" in qtrite bands centered at 402.7. Bands range from ½ - 3cm thick & define S_2. Overall grade of the qtrite unit is ~ 2-3% Pb-Zn. Po is approx 15-20% Py ≈ 10%.
						TOI → 401.8 core is rubble & 6 inches core loss. Core appears to be broken on a steep fracture.
						401.8 → 403.0 core is moderately broken along fractures. Recovery is good.
						403.0 → 405.9 core is ṽ broken, 6 inch core loss.
	141015 9	141017 5		310	141C10	
	123.7	124.2				This is a homogeneous, ṽ hard, Pyritic qtrite. Banding is poorly developed., generally appears to trend ⊥ to core axis, defined by fine Py & lesser red sph. Py is 40%, Sph is 5-6%. The top 3 inches of interval contains abundant micaceous flms ⊥ to S_2. Upper contact is ⊥ to S_2. Lower contact is lost in the rubble. Core is moderately broken &

DDH 89-6-10.1 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						recovery is good.
	141017 5	141319 7		131	151B101#	± 2 minor
	124.2	134.0				Medium to light grey, dominantly PS_2 foliated, locally to moderately carbonaceous phyllite. Contains abundant thin qtz-dol bands ranging fr 1mm to 1cm define S_2. In these bands are thin lithons of qtz & dol which define S_1. S_2 surfaces are a shiny medium grey. Top 2 feet of interval is bleached to a whitish grey. S_2 has talcous coatings. Qtz is also more abundant in this altered interval. Py occurs locally in traces in qtz-dol bands & in late fractures.
						TOI - 408.5 core is v broken along steep fracture. recovery is good.
						408.5 - 437.0 core is slightly broken along S_2.
						437 - EOI " " moderately " " fractures & S_2.
	141397	151155		132	151B2	± # ± 9 minor
	134	157.1				Moderately soft, dominatly PS_2 foliated, medium to dk grey, moderately carbonaceous musc phyllite. contains local thin qtz ± dol ± calcite siltstone bands & laminae. which define S_2. Micro lithons also locally developed in bands, they are def'nd by fine qtz & dol ± calcite Unit contains abundant thin

DDH 89-6-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 27/89 Logged By: CCK

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						x-cutting fractures infilled by qtz ± calcite ± dol. Py & Po occur in traces in these fractures. S_2 surfaces range from shiny medium grey to blk. Unit becomes slightly darker moving down the interval.
						TOI - 447.0 core is moderately broken along S_2 & steep fractures. Minor thin incipient gouge at 444.3.
						447.0 - 452 core is slightly broken.
						452 - 453.7 " " V " local incipient gouge intervals.
						453.7 - 470.1 core is moderately broken.
						470.1 - 471 " " V broken along steep fracture minor incipient gouge along fracture.
						471 - 477.3 core is moderately broken.
						477.3 - 478 Gouge & breccia present along steep fracture. Fracture is 38° in same direction as S_2.
						478 - 497.8 core is moderately broken
						497.8 - 504.9 " " V " local & minor incipient gouge on fractures.
						504.9 - EOI core is moderately broken. Recovery for entire interval is good.
	15 15 5	15 17 0		13B	14E 17	(4C37) BxA 60:40
	1571	157.6				Dominant unit is a homogeneous brassy yellow & bronze, moderately magnetic, moderately siliceous massive to semi massive pyrite $S^=$. Fine grey qtz occurs interstitial to $S^=$.

DDH 89G-01 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 28/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						Contains minor red-brown sph. in thin bands near EOI.
						At 506.2 lower contact with gtzite BxA highly fractured + brecciated due to ductility contrasts. Sʷ have been remobilized from massive Sʷ into thin fractures within gtzite to EOI. Sʷ content ≈ 50% in gtzite - no grade. Breccia related to ductility contrast and not to any significant faulting.
						Estimated grade of massive Sʷ ≈ 2-3%.
						Core mod broken along steep fractures - recov is good.
	151170	152118		1314	41L1314	± # minor
	157.6	159.0				Mod soft, locally hard, light grey-green, altered musc + chl phyllite. Contains abundant thin late stringers and bands of qtz ± py ± po minor. Contains local development of thin pale green chl laminations // to S_2. Pol occurs locally in small tan "clasts" up to 1cm ϕ. S_3 is steep in this unit - approx 32° to core axis. Sʷ also occur remobilized into thin steep fractures. Est % Otz ≈ 20%
						Est Pb+Zn 2-3% Est % Py ≈ 8% Est Po occurs in traces. S_2 surfaces are a mottled green-grey. Core tends to fracture along thin chloritic laminations.
						Core moderately broken, recov good.
	152118	152172		1315	14C10	"Micaceous" ± BxA ± # minor ± 9 trace
	159.0	160.7				Highly fractured, mod hard, poorly banded, moderately pyritic, qtzite. Unit appears texturally similar to #33 except fracturing more intense, SiO_2 + Sʷ content is also

DDH 89-101 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 28/89 Logged By: WR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						increased. Sulphides have been extensively remobilized into steep fine fracture system. Chl also developed in some fractures. S_2 is steep ~20-30° to core axis. Contains local minor highly fractured + irregular dol. clasts ranging up to 3 cm ϕ Est % P_y 10-15% Est Pb+Zn 1-2%
						702 → 524.7 slightly broken, very good.
						524.7 → 525.1 incipient gouge + brx. - not a significant fault very good
						525.1 → EOH slightly broken, very good.
	1512	1559		13	16	± "micaceous laminations" (4E1 ± BxA)
	160.7	169.4				Very hard, light grey & brassy yellow striped, pyritic quartzite. Unit is well banded. Banding defined S_1 + S_2 and consists of dominate P_y, lesser Po, traces of Sph + Gal in ≈ 20% interstitial fine grey q/z. Po content decreases moving down the interval. Paper thin micaceous laminations occur locally in intervals up to 30 cm thick. Est % P_y ≈ 30-40%
						545.6 - 549.9 unit is siliceous semi-massive pyritic S^2. No grade. Contains local brecciated zones up to 1' thick of semi-rotated angular py S^2 clasts ranging up to 5cm ϕ. Clasts have been cemented w/ calcite in fractures. Locally calcite weathered out to form vugs. Breccia is not related to a significant fault.
						Unit contains several phase 2 fold hinges, particularly in top 15' of unit. This unit does not appear to be the same as any lithology higher in the hole and is therefore likely a second horizon.

DDH 89-G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 28/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core is intact, recovery is excellent.
	15159	15825		13 17	14C10	± 7 minor "Micaceous" ± 9 trace
	169.4	177.5				▽ hard to locally, in hard, light grey, moderately pyritic qtzite. Unit similar to higher 4C3 (#35) except sulphide banding less abundant, micaceous foliations more abundant and unit contains less qtz overall. Banding ranges on a scale of 2mm to 8cm and is defined by dominate fine Py, minor Po, traces of Sph + Gal, ↑ Traces of (Py) in fractures Banding aligned ∥ to $S_1 + S_2$. Phase 2 fold hinges occur periodically throughout interval - ∴ region? Sulphide have been extensively remobilized into steep fine fractures. Est % Py ranges locally from 5 - 20% depending on density of 5⁻ bands. Est Pb+Zn 1-2%. Locally fine grey qtz laminations define microlithons.
						TOI - 572.0 core intact very good
						572.0 - 581.3 ▽ broken along steep fractures
						581.3 - 581.6 incipient gouge - not a significant fault
						581.6 - EOI slightly broken.
						Recovery for entire interval is good.
	15825	15860		13 18	14121316	± BxA (4C3 BXA) 80:20
	177.5	178.6				Dominate unit is mod⁻ soft pale buff light grey - green altered musc + chl phyllite. Top 1.5' of unit is more "bleached" than remaining phyllite. Within this interval are several incipiently gouged fractures approx 30°

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 28/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						to core axis. S2 surfaces are mottled green - grey.
						384.0-384.9 - highly fractured poorly bedded, moderately pyritic qtzite. Py has been extensively remobilized into thin fractures. Est % Py ≈ 30-40% No grade. Contact with 4C irregular & ragged. 4C is likely one large clast in breccia
						384.9 → EOT mod soft, pale light grey - green PS2 laminated, more rich phyllite. Unit is noncalcareous and only slightly altered.
						TOT → 384.9 ~ broken, recov good.
						384.9 → EOT ~ broken, recov good.
	5181 6 0	5181 8 1		319	15A16	GOUGE
	178.6	179.3				Soft, flakey, black phyllite gouge. Top contact lost in rubble. Bottom contact 44° to core axis, dipping in same direction as S2. 6" of core loss likely at TOT.
						Core is soft flakey gouge.
	5181 8 1	5191 1 4		410	15A16	
	179.3	180.3				Mod soft, locally CS2 foliated, dark grey → black, carbonaceous phyllite. Local microlithons defined by thin fine grey qtz. S2 surfaces are black & mark fingers. Carbon slightly bleached out in 6" zone near higher fault.
						Core ~ broken along steep fractures & S2. Core recov is good.

DDH 88G-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 28/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	159114	161060		141	14L0	± 1 minor
	180.3	184.7				Soft, white - grey, highly altered musc phyllite. S2 surfaces are light grey ± local white "talcose" coatings. Contains local minor thin stringers & bands of fine py + glz. Est % Py 3-5%. TOI to 601 contains several thin, incoherently gouged steep fractures. Fractures dip 20° to core axis, steeper than S2 + dip in same direction as S2. Contact ± upper 5A is sharp 11 to S2. Contact ± lower 4A is lost in rubble. Dolomite occurs locally in fine cream laminations near TOI. TOI → 592.8 mod broken / 592.8 → 596.5 ± broken along S2 + steep fractures. / 596.5 - 598.8 mod broken / 598.8 → 600 ± broken / 600 - EOI mod broken, 2" gouge zone centered at 600.8 / Recovery good for entire interval.
	161060	161072		142	14A0	Bxa → [4C0] Bxa.
	184.7	185.1				Mod hard → hard, highly fractured, barren, locally micaceous carbonaceous gtzite. Sulphides have been remobilized into thin steep fractures. Py is dominate, ± 8% Minor traces of Spl also in fill fractures. Top 4" of unit is flaky rubble + gouge. Bottom 3" of unit loses carbon and pyrite content increases. TOI → 606.2 rubble ± incipient gouge. Recy O.K 606.2 → EOI ± broken, recy O.K Difficult to tell whether this unit marks a fault above the massive sulphide horizon beneath it.

DDH 89-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 29/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	161072	161154		143	14G10	± 4 ± 6 minor ± 8 minor ± porous (5C4X) trace.
	185.1	187.6				mod⁻ hard, PS2 banded, locally porous, massive barite S⁼. Contains local small, subangular cream-tan dolomite clasts ranging up to ½ cm ø. Banding is defined by ↑ in Py + Gal + Sph. Bands range up to 10 cm thick. Bottom 1' of unit porous due to weathering of carbonate. Magnetite occurs throughout in tiny black specks + streaks. Streaks are elongate ∥ to S2. Pb + Zn is variable, ranges from 4-12% $BaSO_4$ content ± 15%. Contains thin 3" band of mod⁻ soft, pale tan-green striped metabasite (of metabasite) centered at 216.7'. Margins are ∥ to S2.
						TOI → 609.8 ⁻ broken, recy good.
						609.8 → 610.8 ⁻ broken along steep fracture, recy good.
						610.8 → EOI ⁻ broken, recy good.
	161154	162100		144	14A10	
	187.6	189.0				Black, ⁻ hard, highly fractured, poorly banded carbonaceous gtzite. S2 surfaces dark grey → black + mark fingers. Where developed, banding defined by fine py + siltstone/ grey gtz. Banding ∥ to S2 ranges up to 2cm thick. Late fractures trend approx 10° to core axis. Some Py remobilized into fractures. Unit is barren.
						Core is extremely broken, recy 0.6 Fractured nature of core due to proximity to Deal Lake fault.

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 29/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	61210	61218.5		145	141C13	BxA ±5% minor (4EO BxA) 80:20.
	189	191.6				Mixed brecciated unit of dominately, moderately hard, highly fractured, barren pyrite qtz±e w/ local bands (probably clasts - difficult to tell because of poor core condition) of highly fractured massive pyritic S=. Massive Py intervals are porous - range up to 15 cm thick. Massive S= contains minor concentrations of sph + gal in thin, discrete bands // to Sa.
						Clasts in bxa are subangular, rotated + range up to 8 → 10 cm Φ. Fractures between clasts infilled w/ fine qtz ± py. Locally, some clasts contain thin black carbonaceous folia.
						70I → 623.0 rubble due to late V fracturing, very successfully good.
						623.0 → 624.1 m broken, very good.
						624.1 → EOI rubble due to intense fracturing.
	61218.5	61310.7		146	141A10	Bxa:
	191.6	192.2				V hard, dark-grey to black, highly fractured, carbonaceous qtz±e bxa. Sulphide banding is poorly developed. Py erratically remobilized into fractures. Individual qtz±e clasts range in size up to 30 cm. Some clasts show rotation. Unit is barren. Fractures are generally "etched" due to weathering of carbonate. General trend of fractures 30° to core axis.
						70I - 630.0 core m broken, very good.

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 29/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						630.0 → EOT ū broken along fractures, 1.5' core loss.
						Upper contact ū 4E bored 33° to core axis along brecciated
						fractures. Lower contact ū 4C BxA is 30° to core axis.
						No orientation possible.
	613107	613129		417	14C10	BxA ± 5% minor.
	192.2	192.9				Highly fractured, ū hard, ps banded gtzite. Top
						3" of unit contain thin PSz bands of Py ū diss-
						ered fromm sph. Py + Sph have been remobilized into thin
						fractures. Est % Py ± 30-40%. Est % Pb+Zn 2-3%.
						Bottom 6" of unit contains cream streaks of dolomite
						occurring in Bxa matrix. This unit is likely one
						large highly fractured clast "hung up" in the Doal
						Lake fault. Contacts ū upper & lower units are irregular &
						brecciated.
						Core mod broken, recov good.
	613291	641001		418	15A	GOUGE (ICD4) GOUGE
	192.9	195.1				DOAL LAKE FAULT.
						TOI -639.1 flakey, black, soft, carbonaceous mud
						gouge ± fragments of 5A. 5A fragments are generally
						< 1" ϕ. Top contact of gouge 52° to core axis.
						639.1 - EOI Creamy - white, ū soft, flakey, altered
						muscovite phyllite gouge. Contact ū hiLow 5A gouge is
						sharp, 35° to core axis.
						Core is gouge, recovery is complete.

DDH 89G-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 29/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1610 1	1614 17 9		1419	1116D4	$ I 9 minor (1HO ± Ø ± B10)
	1951	1975				TOI → 646.0 - creamy whitish tan, coarsely PS2 laminated, dolomitic, sericitic, ± chlorite (minor) schist. S2 surfaces dull creamy-white w/ green tinge. Some talcose coatings on S2. Contains abundant small (generally < 2mm Ø) cream-tan dolomite porphs preferentially aligned // to S2 giving the core a "mottled" or "spotted" appearance. Top + bottom 1' of unit contain large (up to 1cm Ø) subrounded fine P_S agglomerates. P_S agglomerates give core a "spotted" appearance within these intervals. P_S agglomerates appear similar in size & distribution to biotite clots occurring in lower relatively unaltered ICD directly below 647.9. P_S agglomerates may be alteration products of these biotite clots. The overall textural similarity to the lower ICD indicates that this unit was likely pelitic in origin.
						646.0 → EOI Pale buff green, thinly PS2 laminated, locally dolomitic, mod soft chloritic schist. Contains locally abundant thin fractures infilled w/ gtz + calcite. S2 surfaces are dull olive green. Margins w/ upper + lower ICD sharp // to S2. Contains minor local biotite forming along S2 in thin laminations. Contains local diss dolomite in thin streaks preferentially aligned // to S2.

DDH 89G-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 29/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	16417 9	16515 5		150	1 1 C D	
	197.5	199.8				Coarsely PS2 laminated light green, brown, + tan striped, musc-chl-tbio schist. Biotite occurs as thin pressure solution laminae // to S_2 and within subrounded "clots" up to 2 cm ϕ. Chlorite occurs similarly, but is less abundant + appears to be retrograded biotite. Core is moderately soft. Unit is nonconformous. We have entered the footwall of the Make Believe Fault.
						Centered at 649.5 and 652.3 are 2 9" thick foliation white pegmatitic qtz vein. Upper vein has pale green chl infilling steep fractures. Lower vein has Bi infills local fractures near bottom contact. Core slightly buttery, recvy good.
						EOH

DDH 89-G-01 (2 / 8) CURRAGH RESOURCES INC. Page 1 of 1

Structural Log Date: June 25 Logged By: REZNIK / KERBER

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	
	155.5	1820	CIS2	S		216 010	74	Micaceous fltn - comp. banding
	58.7	1925	CIS2	S		35 216	63	" " "
	63.7	2095	CIS2	S		119 243	74	" " "
	70.7	232	PIS2	-		12 259	71	" " "
	74.4	244	PIS2	S		193 01	77	" " "
Bore 6			PIS2	S		15 010	40	" " "
7			PIS2	S		38 311	55	chlorite fltns in metabasite
8			PIS2	S		17 010	44	micaceous fltn - comp. banding
9			PIS2	Z		19 181	74	" " " "
10	103.0	3318	PIS2	S		15 010	55	" " " "
11	109.4	3519	PIS2	Z		22 180	67	" " " "
12	114.6	3736	PS2	S		20 348	63	" " " "
13	118.3	3885	PS2				44	" " " "
14	122.8	4033	PIS2	S		31 010	56	" " " "
15	130.5	4288	PIS2	S		28 010	46	" " " "
16	137.2	450	PIS2	S		17 339	44	" " " "
17	147.5	4814	PIS2	S		29 010	56	" " " "
18	150.6	4914	PIS2	Z		216 329	52	" " " "
19	156.7	514	PIS2	S		T T	54	going fr micaceous fltns to chlorite fltns.
20	164.6	540	PIS2				54	chlorite fltns.
21	169.8	5557	CIS2			119 254	70	chlorite fltns 11 to S_2
22	177.1	5811	PIS2			T T	79	pyrite banding 11 to S_2
23	180.4	5925	PIS2			T T	86	
24	184.1	6104	PIS2			T T	82	chlorite fltns 11 to S_2
25	191.7	629	PIS2			T T	47	pyrite banding 11 to S_2
26	196.1	6435	PIS2			43 336	70	chlorite fltns 11 to S_2
	199.3	654	PIS2				58	" " " "
	(m)							

C.R.I. 1987 E-4

89

PROJECT _____ DRILLHOLE NO. DDH-G-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.	
(m) Start @ 155			(m)														
47.9 157		2.2	0.67	0	(m)		6		E						0		
50.9 167	10	2.5	0.76	0			6		E						0		
53.9 177	10	8.0	2.44	0.75	0.23		7		E						1		
57.0 187	10	6.75	2.06	0.7	0.21		7		E						0		
60.0 197	10	10	3.05	5.22	1.59		13		E						2		
62.6 205.5	8.5/2.6	7.9	2.41	0.8	0.24		7		E						2		
65.8 216	10.5	10.5	3.20	7.9	2.40		9		E						0		
69.0 226.5	10.5	10.5	"	1.55	0.47		9		E						4		
72.2 237	10.5	10.5	"	2.99	0.91		7		E						2		
75.3 247	10	10	3.05	3.80	1.16		10		E						1		
78.3 257	10	5.4	1.65	1.6	0.49		7		E						1		
80.0 262.5																	
WEDGE 262.5 START																	
81.9 267	4.5/1.4	4.2	1.28	0.55	0.17		3		E						1		
83.7 274.5	7.5/2.3	4.5	1.37	0.35	0.11		7		E						2		
86.1 282.5	8/2.4	7.5	2.29	3.60	1.10		12		E						0		
88.8 291.5	9/2.7	8.0	2.44	3.90	1.19		12		E						3		
91.9 301.5	10	9	2.74	4.45	1.36		10		E						2		
94.2 309	7.5/2.3	7.4	2.26	1.95	0.59		10		E						3		
97.2 319	10	10	3.05	4.25	1.30		12		E						2		
99.7 327	8/2.4	7.3	2.23	2.55	0.78		7		E						1		
102.7 337	10	8	2.44	5.25	1.60		10		E						2		
105.8 347	10	10	3.05	7.00	2.13		12		E						0		
108.2 355	8	8	2.44	2.40	0.73		9		E						2		
111.3 365	10	10	3.05	5.85	1.78		11		E						1		
112.5 369	4	4	1.23	0.75	0.23		7		E						0		
114.3 375	6	5.13	1.56	0.4	0.12		7		E						2		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89 DDH-G-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		Depth to (m)	Length of Run (m)
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	COMMENTS	
381	6	6.0	1.8	2.65	0.8		9		E						1		116.1	1.8
387.5	6.5	6.5	2.0	2.7	0.8		9		E						1		118.1	2.0
392.5	5	3.9	1.2	0.35	0.11		3		E						0		119.6	1.5
396	3.5	3.3	1.0	0	0		6		E						1		120.7	1.1
401	5	5	1.5	0.7	0.21		7		E						1		122.2	1.5
405	4	4	1.2	0.7	"		7		E						3		123.4	1.2
410.5	5.5	5.5	1.7	0.7	"		6		E						2		125.1	1.7
420.5	10	10	3.1	4.25	1.30		9		E						1		128.2	3.1
440.5	20	10.7	3.3	4.2	1.28		7		E						2		134.3	6.1
445	4.5	4.5	1.4	1.8	0.55		7		E						3		135.6	1.4
447	2	2	0.6	0	0		5		E						0		136.2	0.6
456	10	9	2.7	1.6	0.49		9		E						1		140.0	3.1
464	8	8	2.4	4.75	1.45		10		E						2		141.4	2.4
471	7	5.6	1.7	1.85	0.56		9		E						1		143.6	2.1
477	6	4.6	1.4	0.85	0.26		7		E						1		145.4	1.8
481.5	4.5	4.5	1.4	1.25	0.38		7		E						0		146.8	1.4
489	7.5	7.5	2.3	2.30	0.7		7		E						3		149.0	2.3
497	8	8	2.4	1.6	0.49		10		E						4		151.5	2.4
504.5	7.5	3.8	1.2	0	0		5		E						2		153.8	2.3
512	7.5	7.5	2.3	1.85	0.56		9		E						2		156.1	2.3
516.5	4.5	4.2	1.3	1.35	0.41		7		E						1		157.4	1.4
526.5	10	10	3.1	5.1	1.55		10		E						2		160.5	3.1
537	10.5	10.5	3.2	8.25	2.5		12		E						0		163.7	3.2
547	10	10	3.1	7.2	2.19		13		E						1		166.7	3.2
557	10	10	3.1	7.95	2.42		13		E						2		169.8	"
567	10	9.9	3.0	8.65	2.64		13		E						1		172.8	"
575	8	8.0	2.4	3.2	0.98		10		E						2		175.3	2.4

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DDH-G-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	% m	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	Depth (to m)	Length of Run (m)
578.5	3.8	3.8	1.15	0.35	0.11		7		E						2		176.3	1.15
582.5	4	4	1.2	1.05	0.32		7		E						2		177.5	1.2
587	4.5	4.5	1.4	0.35	0.11		5		E						1		178.9	1.4
592	5	4.7	1.4	0.35	4		3		E						0		180.4	1.5
595	3	3	0.9	0.35	11		5		E						0		181.4	0.9
600	5	4.7	1.4	0.7	0.21		4		E						2		182.9	1.5
607	7	7	2.1	2.45	0.75		7		E						2		185.0	2.1
614.5	7.5	7	2.1	2.05	0.62		9		E						3		187.3	2.3
620	5.5	4.85	1.48	0.85	0.26		6		D						4		189	1.7
622.5	2.5	3.9	1.19	0	0		6		D						3		189.7	0.8
627	4.5	4.5	1.4	0.4	0.12		6		D						2		191.1	1.4
633.5	6.5	6.5	2.0	3.3	1.0		9		E						3		193.1	2.0
638.5	5	4.7	1.4	1.75	0.53		9		D						0		194.6	1.5
647	8.5	8.5	2.6	5.3	1.62		10		E						0		197.2	2.6
655.5	8.5	8.5	2.6	6.7	2.04		10		E						2		200.1	2.6

Fig. 1. Typical rock mechanics core log.

DDH 89G-101 (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
	10 — 14	16 — 20	22 — 26	28 — 30	32 — 34	36 — 40	42
	0	76		76		WASTE	
	76	77.3	411701	1.4	1.4	141A14	
	77.3	78.8	411702	1.46	1.46	141A14	
	78.8	95.7	0	16.4	-1.0		waste
	85.2	86.1	411703	1.28	1.28	141A10	±7
	86.1	87.2	411704	1.35	1.35	141A10	(4C0) minor
	87.2	87.6	411705	1.15	1.04	151C1*	Bxa
	87.6	88.7	411706	1.35	1.35	141G10	± 1 minor
	88.7	89.8	411707	1.37	1.37	141G10	± 1 minor
	89.8	91.8	411708	1.65	1.65	151C14	* (4D0) minor
	91.8	92.9	411709	1.35	1.35	141G10	
	92.9	93.7	411710	1.28	1.28	141G10	(5C4*) trace
	93.7	95.1	411711	1.47	1.47	141A10	Bxa
	95.1	96.7	411712	1.34	1.34	141A10	
	96.7	99.7	0	3.0		WASTE	
	99.2	100.4	411713	1.38	1.38	141A10	
	100.4	101.3	411714	1.31	1.31	141C10	(5C4*) minor
	101.3	106.0	0	4.7		WASTE	
	108.0	107.5	411715	1.49	1.49	151A1196	(4C0) minor
	107.5	108.8	411716	1.42	1.42	141AP	
	108.8	110.1	411717	1.41	1.41	141AP	(5A196) minor.
	110.1	113.5	0	3.4		WASTE	
	113.5	114.4	411718	1.30	1.30	141A10	
	114.4	122.2	0	7.8		WASTE	
	122.2	123.7	411719	1.48	1.48	5A1191	(4C7*5 minor)
	123.7	124.2	411720	1.16	1.05	41C101	
	124.2	157.1	0	32.9		WASTE	
	157.1	157.6	411721	1.15	1.04	4E1171	(4C37) Bxa 60:40
	157.6	159.0	411722	1.48	1.48	41L11314	
	159.0	160.7	411723	1.54	1.54	41C101	
	160.7	162.1	411724	1.48	1.48	41C101	
	162.1	163.7	411725	1.50	1.50	41C101	
	163.7	165.2	411726	1.50	1.50	41C101	
	165.2	166.7	411727	1.50	1.50	41C101	
	166.7	168.0	411728	1.43	1.43	41C101	
	168.0	169.5	411729	1.47	1.47	41C101	
	169.5	170.8	411730	1.44	1.44	41C101	

1.3

DDH 89G-01 (2–8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CLR

ASSAY LOG (SAMPLER'S COPY) Date JUNE 29/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 0 14	16 20	22 26	28 30	32 34	36 40	42
	151610 4	172 3 / 151615 4	411731 1	150	1'5" 0	141C10	
	151615 4	173 7 / 151710 0	411731 2	146	1'4" 6	141C10	
	151710 0	175 3 / 151715 0	411731 3	150	1'2" 3	141C10	
	151715 0	176 2 / 151718 0	411731 4	130	1'0" 9	141C10	
	151718 0	177 5 / 151812 5	411731 5	145	1'2" 1	141C10	
	151812 5	178 6 / 151816 0	411731 6	135	1'0" 9	4K1316 1	(4C3)
→	1 178. 6	1 184. 7	— 0 —	16.1	—	WASTE	
	18.4 7 / 161016 0	185 1 / 161017 2	411731 7	112	0" 4	141A10	Bxa
	161017 2	186 5 / 161119	411731 8	147	1'0" 2	141G10	± 4
	16V 1 9	187 6 / 161115 4	411731 9	135	1'1" 5	141G10	± 4 (5C*) trace
	161115 4	189 0 / 161210 0	411741 0	146	0" 7 4	141A10	
	161210 0	190 5 / 161215 0	411741 1	150	1'5" 0	141C13	Bxa
	161215 0	191 6 / 161218 5	411741 2	135	1'0" 2	141C13	Bxa
	161218 5	192 2 / 16 13 P 7	411741 3	122	0" 7 2	141A10	Bxa
	161310 7	192 9 / 161312 9	411741 4	122	0" 7 2	141C10	Bxa
→	1 192 9	1 199 9	— 0 —	16.9	—	WASTE	

C.R.I. 1987 E-5

DDH 89G-01 (2 … 8 metres)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 16 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	10	1416	NIP					Tricored – no recovery
	1417 3	1417 9	3IB					
	1417 9	1509	RI	2				
	1509	1532	2IB	6				
	1532	1543	J13B					
	1543	1575	2IB	7				
	1575	1592	1IB					
	1592	1650	J12B					
	1650	1654	JIR					
	1654	1716 1	2IB					
	1716 1	1716 2	1IB					
	1716 2	1717 1	G1X1B					
	1717 1	1718 8	1IB					
	1718 8	1810 0	1IB	8				
	1810 0	1810 3	G1X1					
	1810 3	1819	X13B					
	1819	1820	G1			2 0 0 1 0 1 0		
	1820	1837	J13B	4				
	1837	1876	1IB					
	1876	1879	J11B					
	1879	1888	J13B					
	1888	1898	1IB					
	1898	1899	G13B					
	1899	1911 8	X12B					
	1911 8	1937	1IB					
	1937	1952	J12B					
	1952	1962	2IB					
	1962	1979	1IB					
	1979	1992	J12B					
	1992	11011 3	2IB					
	11011 3	11011 6	1IB					
	11011 6	11020	QI					
	11020	11060	1IB					
	11063	11076	2IB					

DDH 89G-01 (2 / 8)

CURRAGH RESOURCES INC.

Fault Log

Page _____ of _____

Date: 16 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct.	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1/1017 6	1/1019 9	1 1B1					
	1/1019 9	1/1/10 1	2 1B					
	1/1/1 6	1/1/2 9	3 1J1X					
	1/1/2 9	1/1/3 5	2 1B1					
	1/1/3 5	1/1/4 3	J1 2 1B					
	1/1/4 3	1/1/5 5	2 1B1					
	1/1/5 5	1/1/6 4	3 1B1					
	1/1/6 4	1/1/7 2	2 1B1					
	1/1/7 2	1/1/8 4	3 1B1					
	1/1/8 4	1/1/9 5	R1G1X	5				
	1/1/9 5	1/1207	J1 3 1B					
	1/1207	1/1215	2 1B1					
	1/1215	1/1217	G 1 1					
	1/1217	1/1220	2 1B1					
	1/1220	1/1221	G 1 1					
	1/1221	1/1222	2 1B1					
	1/1222	1/1225	R1 1					
	1/1225	1/1228	J1 2 1B					
	1/1228	1/1237	3 1B1					
	1/1237	1/1242	2 1B1					
	1/1242	1/1245	J1 3 1B					
	1/1245	1/1332	1 1B1					
	1/1332	1/1362	J1 2 1B					
	1/1362	1/1378	1 1B1					
	1/1378	1/1383	G1 1 1B					
	1/1383	1/1433	2 1B1					
	1/1433	1/1436	J1 3 1B					
	1/1436	1/1455	2 1B1					
	1/1455	1/1457	G1X1J			31B 0101 0		
	1/1457	1/1517	2 1B1					
	1/1517	1/1539	J1 3 1B					
	1/1539	1/1571	2 1B1					
	1/1571	1/1576	D1X1B					
	1/1576	1/1590	2 1B1					
	1/1590	1/1599	1 1B1					

DDH 89G-01 (2 to 8 metres)

CURRAGH RESOURCES INC.

Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct.		INTERNAL Dip Direct.		LOWER Dip Direct		Description
1	10 14	16 20	22 24	26	28 32		34 38		40 44		
	1/1519	1/1610	1/1GX								
	1/1610	1/1610	7 1B								
	1/1616	1/1676	1XJ								
	1/1714	1/1717	2 J3B								
	1/1717	2 1/1717	3 1G								
	1/1717	3 1/1717	6 1B								
	1/1717	6 1/1718	3 X3B				310	0100			
	1/1718	3 1/1718	6 X1B				310	0100			
	1/1718	6 1/1719	3 G						414	0100	
	1/1719	3 1/1810	3 J3B								
	1/1810	3 1/1810	7 2B								
	1/1810	7 1/1811	8 J3B				210	0100			
	1/1811	8 1/1812	5 2B								
	1/1812	5 1/1812	9 3B								
	1/1812	9 1/1814	7 2B								
	1/1814	7 1/1814	8 XR								
	1/1814	8 1/1815	1 X2B								
	1/1815	1 1/1815	9 1B								
	1/1815	9 1/1816	2 J3B								
	1/1816	2 1/1817	6 2B								
	1/1817	6 1/1819	0 J3B				110	0100			
	1/1819	0 1/1819	9 JRX								
	1/1819	9 1/1910	2 X2B								
	1/1910	2 1/1911	6 JRX								
	1/1911	6 1/1912	2 XJB				310	0100			
	1/1912	2 1/1912	9 X2B								
	1/1912	9 1/1915	1 3G		512	0100	315	0100			DOAL LAKE FAULT
	1/1917	5 1/1919	8 1B								
											EOH = 199.8

[redacted] 89 G-02

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-02

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

UTM ~~Terr.~~ Plane Co-ords.: 6904438.112 N 5908.82 N

592453.326 E 2425.15 E

Grid Co-ords: 58W / 06S

Elevation: 1256.493

All symmetry determinations looking

Total Depth: 621 feet 189.3m

_____ with _____ dipping

Inclination: -90° VERTICAL

_____ with dip azimuth _____.

Purpose: Test Champ zone

Reason hole Terminated: Drilled through skunky ore

Logged by: CV REED

Date(s) Logged: June 29 - July 3, 1989

Drilling Contractor: ARCTIC

	Size	CORE From	To
	NW	0'	62
	NQ	32	621

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: 40' CASING

Assay Lab: _____

Certificate No's: _____

Started: June 25/89 Completed: June 27/89

Bedrock at 29'

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 819G-02

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	819G-02						

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	819G-02	0.0	-90.0	0.0	AT COLLAR
R	819G-02	3018.9 3	-89.0	3016.0 3538	SPERRY-SUN
R	819G-02	4458.6 4396	-88.0	4431.0 3781	SPERRY-SUN
R	819G-02	5018.3 1855	-85.0	5131.0 4003.8	SPERRY-SUN
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 89G-102
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03

Date: June 29/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	100	1320		1	#	3 pieces of redrilled IOAB anvil batholith fragments
		97 98				
	1320	1530		2	5A1/16	
	98	162				Mod⁻ hard → hard, thinly banded + laminated, black, carbonaceous, siliceous phyllite. S_2 surfaces are carbon black + strongly mark fingers. Contains abundant fine qtz siltstone laminations which define S_2 + locally define lithons. Core is intensely broken along steep fracture system. Largest piece approximately 4" long. Unit is noncalcareous and is only slightly weathered along thin fractures. P_y occurs in fine aggloremates within fractures.
						TOI → 37.0 v broken 3.8' spread out rec'd.
						37.0 → 47.0 rubble due to steep fractures 8.5' spread out rec'd.
						47.0 → EOI rubble 0.8' spread out rec'd.
	1530	1620		3		NO RECOVERY
	162	189				
	1620	1857		4	5A10	± 1
	189	260				Mod⁻ soft to locally hard, CS_2 foliated, black, carbonaceous phyllite. Similar to unit # 2 except qtz siltstone laminae and bands contain interstitial calcite and S_1 lithon texture more evident. S_2 surfaces are carbon black. Unit is slightly lighter than higher 5A16 (#2). Core is highly fractured and broken.
						62.0 → 67.0 only 0.9' rec'd. Contains small IOAB oxbd.

DDH 89G-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 04

Date: June 29/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fragmental - cased in when casing deepened to 62'.
						67.0 - 77.0' Rubble 3.9' rec'd.
						77.0' - 82.5' v broken 4.0' rec'd.
						82.5 - 83.8' v broken, recy o.k.
						83.8' - EOI rubble 0.5' rec'd.
						Poor recovery due to abundant steep fractures - not related to fault.
	1815 7	1/1315 6		15	15A10	
	1260	413				Mod soft dark grey → black, CS2 foliated, carbonaceous phyllite. Contains abundant thin qtz-calcite siltstone laminae defining S1 + S2. S2 surfaces range from shiny medium grey to black. Contains local small rounded, v hard, fine grained, primary? chert concretions. Nodules are up to 1cm ϕ. Contains abundant steep fine fractures infilled v calcite ± qtz ± minor py.
						TOI → 114.0 v broken along fractures + S2 14.3' spread out rec'd.
						70.1 → 87.0 1.2' rec'd 117.0 → 124.5 3.5' rec'd.
						87.0 → 92.5 1.9' rec'd 124.5 → EOI recy good.
						92.5 → 97.0' 2.0' rec'd
						97.0' → 102.5 1.4' rec'd
						102.5 → 105.5 1.9' rec'd
						105.5 → 110.0 2.0' rec'd
						110.0 → 114.0 2.3' "
						114.0 → 117.0 2.0' rec'd

DDH 89G-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 29/89 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	113156	114100		16	110101010	(SC4*) 50 : 50
	413	427				TOI - 138.1 Pale olive green + cream-grey stained moderately soft chloritic phyllite. S_2 surfaces mottled dull green + grey. Dolomite occurs in qtz in thin bands // to S_2. Upper contact // to S_2.
						138.1 → EOI - white, pegmatitic dull qtz vein. Contains traces of Py + dark green chl in fractures. Margin in metabasite brecciated. Bottom contact lost in rubble.
						TOI - 138.1 in broken in local rubble 1.1' rec'd.
						138.1 → EOI in broken 1.2' rec'd.
	114100	117117		17	151A161	± $ minor
	427	523				Dominantly thinly PS2 laminated + banded, moderately siliceous, slightly dolomitic carbonaceous phyllite. S_2 surfaces are carbon black + strongly mark fingers. Contains abundant thin qtz ± dol siltstone laminations defining S_2 + locally defines S_1. Qtz rich bands contain local minor diss py. Unit contains abundant steep fine fractures infilled in calcite + quartz. Primary? rounded fine grained in hard black chert nodules occur periodically. Long axis of nodules are aligned // to S_2. Within the "shadows" of some nodules, primary? qtz siltstone bands preserved.
						Overall, unit is harder, darker and exhibits a more pervasive S_2 fabric than unit #5. Calcite appears to be replaced by dolomite in thin siltstone bands + laminae.

DDH 89G-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 1/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core is very broken along S_2 & steep fractures.
						19.0' rec'd - see RQD sheet for recov between drill runs.
						Core loss due to intensive fracturing. No obvious faults.
	1171 7	1210 4 5		8	15B 12	→ [5AO] (100)
	523	623				Medium → dark grey PS2 foliated - locally CS2 foliated, moderately carbonaceous phyllite. S_2 surfaces range from dark steel grey to locally black. Contains local qtz-calcite siltstone bands & laminae which define S_1 & S_2. Unit contains locally abundant steep hairline fractures infilled w calcite. Carbon content approaches 5A but unit is lighter overall than 5A higher in the hole. No obvious faults.
						TOI - 193 v broken along S_2 & steep fractures 15.3' spread out rec'd.
						193 - EOI rubble 7.4' feet spread out rec'd.
	1210 5	1211 04		9	15A	GOUGE
	623	641				Black, flaky, soft, carbonaceous phyllite v mod gouge. Top contact lost in rubble. Bottom contact 11 to S_2 Carbon content ↑ moving down gouge zone.
						Core is gouge - 3.4' rec'd.
	1211 04	1211 67		10	15A 19	→ [4AO ± #]
	641	660				CS2 foliated, black, hard, carbonaceous, siliceous phyllite transitional to qtzite. Qtz - 5% banding is

DDH 89-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 1/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						poorly developed and defines S_1 + S_2. S_2 surfaces are dull carbon black. Est % Py ≈ 3-5%. Contains traces of Sph within qtz bands. Dolomite occurs locally as diss within fine qtz siltstone lithons.
						TOI → 114.3 mod broken, recy good.
						114.3 → EOI v broken along fractures, recy good.
	2167	2328		11	51B612	(1000)
	660	709				Mod soft, noncalcareous, moderately carbonaceous, locally CSz foliated, dark grey to black, phyllite. Contains locally abundant thin qtz siltstone microlithons defining S_1. Core is locally v broken due to sheared fractures. S_2 surfaces dk grey to dk grey to locally black. Cut core at 222.0 is highly fractured + broken 8" thick pegmatitic qtz vein. Cut core at 228 is 1' thick qtz vein. Margins of vein brecciated + X-cut S_2.
						TOI → 223.5 v broken, local minor incipient gouge + bxa along fractures. 6.2' core rec'd.
						223.5 → 227.0 v broken, 1' core rec'd. Lost recovery does not appear to be related to rock conditions - likely mechanical failure - ie mistake.
						227.0 → 228.0 mod broken, recy good.
						228.0 → 229.6 - v broken - incipiently gouged + brecciated - bxa related to qtz vein.
						229.6 → EOI mod broken, bottom 3" of unit is highly fractured qtz vein. Fractures are incipiently brecciated +

DDH 89-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 1/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and gouged, recovery o.k.
	12 12 8	12 18 9		1 2	5 A 1 6	
	709	728				Dark grey → black moderately hard, siliceous, noncalcareous, carbonaceous phyllite. Unit is CS_2 foliated. Contains abundant thin qtz-siltstone laminae defining S_1. S_2 surfaces are dull carbon black and mark fingers. Contains local minor P_2 infillings thin fractures & discontinuities in qtz-rich bands. No obvious faults. Core in bottom, recovery good.
	12 18 9	13 0 7 0		1 3	5 B 2 2	→ [SAO] (SCH) minor.
	728	936				Moderately soft, locally CS_2 foliated dark grey to locally black, moderately carbonaceous phyllite. S_2 surfaces are dull dark grey & only slightly mark fingers. Unit is a fine-siltstone, ± close to SA. Contains abundant, thin qtz-calcite laminations which define lithons. In bottom 15' of unit, a CS_2 texture is locally evident - defined by microscopic foliation X cutting S_2. At 298.5 S_2 = 000/15°. Contains local fractures infilled w/ qtz + calcite ± fine py "assemblages". Centered at 282.7 is pale olive green, calcareous, thinly laminated, chloritic phyllite. Calcite & dol are ass° throughout. Contains thin local qtz + calcite bands defining S_1? Margins of metabasite sharp, // to S_2. Core is slightly broken, recovery is good.

DDH B-96-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: July 1/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	3P7 0	3111 7		14	15B12	6 Bxa
	936	950				Mod soft, medium → dark grey, highly fractured, moderately carbonaceous phyllite breccia. Contains abundant X cutting steep fractures infilled w qtz + calcite. Fractures generally trend < 30° to core axis locally fractures infilled w Cpy Py + traces of Po. Phyllite fragments range from 1 - 15 cm and show minor displacements along fractures. Fractures range from 1mm to 8 cm thick.
						Bxa does not appear to mark a significant fault. Units on both sides of bxa zone are the same.
						Core is mod broken, recov is good.
	3111 7	3131 1		15	5B12	→[SAO]
	950	1009				Same as unit 13. Unit is slightly lighter moving down the interval. A CS_2 foliation is locally visible in thin intervals. S_2 surfaces are medium to dark steely grey + only slightly mark fingers. Unit is moderately calcareous. Calcite occurs diss w in thin qtz siltstone bands + laminae which locally define lithons.
						No obvious faults.
						Core is broken, recov good.
	3B11 1	3318 7		16	4C17B	$ minor (4247) (5B26) 80:10:10
	1009	1032				Unit appears to have originally been a pelite injected
						w SiO_2, Py, Po and traces of sph + gal. Dominate

DDH BG-GI-103 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 1/89 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						unit is a ± hard, light grey, magnetic, pyritic, qtzite. within qtzite are bands or clasts? of mod soft, pale light grey - green, altered mus+chl phyllite. Margins of 4L are both // to S_2 in some cases and brecciated + irregular in others. Dolomite occurs within qtzite as small tan rhombohedral clasts. Clasts are generally <2mm ϕ. 4L contains thin qtz-sulphide bands // to S_2. Dominate $S^=$ are P_y, lesser P_o and traces of sph + gal. Est % P_y for entire unit ≈ 30% Est % Pb+Zn - 1-2% Est % P_o - 1-5%.
						Core is ± broken, recov good.
						335.9 → 337.0' is band of mod soft, PS_2 brecciated, nonculcareous, mod carbonaceous phyllite top + bottom contacts broad, likely 1 large "clast".
	13 18 7	13 HA 5		1 17	5 B 10	±2 ± $ minor (4L24)
	1032	1065				Dominate unit is a mod soft, locally carbonaceous, locally $(S_2$ foliated med grey to locally black in thin intervals, msse phyllite. Calcite is absent. Contains local minor dolomite within thin qtz-siltstone laminations, these laminations locally define microlithons. Carbon is more abundant near TOT - unit gradually becomes lighter moving down the hole. From 340.5 to 342.4 and 343.5 to 344.6 are mod soft, buff grey, altered - lstone bearing, msse phyllite. Margins of 4L in top band are brecciated and contain local thin gouge in fractures. Margins of lower 4L band are // to S_2. Est % $S^=$ in 4L 5-10% dominately pyrite - traces of sph in thin fractures and bands // to S_2.

DDH 89-G-10-2 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI → 337.8 ē broken, very good
						337.8 - 342.5 ē broken along fractures - some incipient gouge along fractures
						342.5 → EOI ē broken, recvy good.
	3H19 5	3157 8		18	15A10	$ → [582$]
	1065	1090				Possibly PS2 foliated, dolomitic, carbonaceous, phyllite. Contains local qtz siltstone bands - Bands have interstitial fine dol. Carbon content gradually decreases moving down the interval. Colour changes from black at TOI down to light grey at EOI. Contains local steep X-cutting fractures infilled w qtz + calcite.
						Core slightly broken, recvy good. No Fault/s
	3157 8	3161 5 2		19	41C10	± 7 ± $ " micaceous (4L247) 65 : 35
	1090	1113				Looks like same unit as # 16. Appears to be originally a pelite flooded out by later remobilization of sulphides + quartz. Unit is hard to locally mod- soft, light grey, micaceous, sulphide bearded qtzite. Banding defines S2 and locally S1. Bands defined by dominate P1, lesser P2, interstitial qtz small tan dol "clasts." Dol "clasts" range from 1mm to 2 cm ø. Banding ranges up to 5 cm thick. Est 5% P1 = 15-20% P2 - 3-5%. Est Pb + Zn 1-2% MAYBE.
						361.5 → 364.0 is mod- soft light buff grey-green altered micaceous phyllite. Contains local thin stringers

DDH 89G-02 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

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Date: JULY 1/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						and thin bands of dominate Py, lesser Po + traces of Sph + Gal. FOL 0° to 5° = 5°/a. Steep CS2? foliation locally visible. Contains local subrounded qtz eyes with thin green chl rims. Chl also occurs in thin selvages to local qtz veins.
						No faults
						Core is broken, recy good.
	136.5 2	136.9 9		210	151B101$	±2 (4L24) 70:30
	111 3	111 27				MIXED UNIT - Top 1.3' mod soft, nonlaminous, PS2 foliated hdft grey green musc > chl altered phyllite. Contains local thin stringers + bands of qtz + py ± traces of Sph + Gal.
						366.5 - 369.0, mod soft. PS2 foliated dark grey to locally black, moderately carbonaceous phyllite. Contains local thin qtz siltstone bands. Bands are generally < 1cm thick, define S2 and have minor intrafolial dol.
						Bottom 0.8' of unit is hdft white-grey altered musc > chl phyllite. Contains local minor traces of Py + Po within thin fractures. Margins of 4L are // to S2 gradational over a few inches.
						Core is broken, recy good. - No faults
	136.9 9	137.1 7		211	4E11714	$ ± 8 minor
	111 27	111 33				Poorly banded, ± hard semi massive → massive pyrrhotite / pyrite. S2 sulphides show ductile flow characteristics around local dol and micaceous quartzite clasts.

DDH 89G-02 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jul/1989 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						clasts are approx 15% of unit volume + are preferentially oriented // to S_2 - clasts range in size up to 5 cm ϕ. Sphalerite + gal locally concentrated in thin streaks // to S_2. Minor mag occurs similarly.
						Est Pb + Zn 6-8%
	1317 17	1317 18		212	5B1612	±4 (5C4*) trace.
	1193	1152				Mod soft, PS_2 foliated, carbonaceous, dark grey, massive phyllite. Top 8" "bleached" to light grey. Bottom 1" against sulphides also altered to light grey. Py + Po infill local minor fractures.
						Core mod broken, very good. No faults.
	1317 18	1318 01		213	4H101	(4L24) (5A62) 70:20:10. Bxa
	1152	1159				Hard to locally mod soft, massive Po, phyllite breccia. Appears similar to #16 + #19 except Po more abundant. Poorly banded Po ± Py contains fractured and rotated "clasts" of soft white-tan altered massive chl phyllite. Clasts range up to 6 cm ϕ. Bottom 6" of unit contains 2 "clasts" of dark-grey to black, carbonaceous carbonaceous phyllite - same as #24. Massive Po + Py contains local small subrounded clasts of slat. Top + bottom contact highly fractured + brecciated. $S^=$ have been extensively remobilized into fractures.
						Est % Po 20-25%
						Est % Py 10-15%

DDH 89G-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

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Date: July 1/89 Logged By: CWK

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Est % 4L clasts ± 20% / Est % 5B&2 clasts 15%
						Est % Py + Z 2-3%. Remains = Qtz, Mica, Dol.
						Core slightly broken, recovery is good.
	3810 1	3911 1		12H	15A16	
	1159	1192				Black, dominantly PS2 foliated - CS2? foliation locally visible in
						thin intervals, noncalcareous carbonaceous phyllite. S2 surfaces
						carbon black + mark fingers. Top 1.0 ft highly fractured
						w cc in filling fractures.
						380 → 381.2 - v broken along fractures
						381.2 → 387.0 m broken, recov good.
						387.0 → 389.0 v broken, recov good.
						389.0 → 389.5 incipient gouge
						389.5 → EOI m broken, recov good.
						Bottom 1.5' contains abundant thin fractures infilled w calcite,
						Py ± Po ± traces of sph
	3911 1	3933 2		12S	4L2147	± Bxg.
	1192	1198				Mod soft, locally highly fractured, altered musc > chl
						phyllite. Contains local fractures infilled w Py, Po ± calcite
						+ Dolomite. Bottom 2" of unit is brecciated qtz +
						calcite vein. Est % Py 8-10%. Est % Sph + Gal 1-2%
						TOI → 392.5 v broken, recov good
						392.5 → EOI v broken + brecciated, recov O.K.
						Unit contains abundant steep hair-line fractures infilled
						with Py ± Po ± Sph. Overall colour is light buff

C.R.I. 1987 E-3A

DDH 86G-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jul 3/87 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grey - green
	1319 3 2	1411 5 3		216	15A $	± 1 ± 9
	1198	1266				CSz foliated mod soft → locally hard, black, locally siliceous, carbonaceous phyllite. Contains abundant qtz + dol siltstone laminations and bands which define both S_1 + S_2 fabrics. Qtz + dol locally define lithons and locally contain fine py + traces of sph. Sz surfaces are shiny black.
						Est % S= - dominantly Py is 3-5%. Bottom 1.2' of unit gradually loses carbon and is a lighter grey.
						No obvious faults.
						701 → 401.0 m broken along S_2 very good
						401.0 → 402.2 m broken along fractures ± S_2 very good.
						402.2 → EOI m broken, very good.
	1411 5 3	1412 3 1		217	41C 3 3	± $ minor (5A $) (4L 21) 95:5:5
	1266	1290				Dominate unit is poorly banded m pyritic qtzite. Contains local minor thin bands defined by diss sph + gal. Contains abundant thin fractures infilled m remobilized py.
						Qtz content varies from 15 - 20%. Dolomite occurs locally in small irregular tan clasts. Est % Pb + Zn 3-4%
						Contact at 416.1 is 3" thick, black, PSz foliated carbonaceous phyllite band. Contacts // to S_2.
						Contact at 417.1 is 6" clast of mod soft, bleached mosc phyllite. Contains abundant thin Py + Qtz stringers.
						701 → 117.4 m broken, recvy O.K.

DDH B-96-02
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: 5/3/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						117.4 → EOT ē broken, very good.
	1412 3 1	1413 2 0		12 8	1 4 1 0 1 0	± #ε} Bxa Miscaceous (4L24) BxA (5A619) (5C4#) 60:30:5:5
	1290	1317				Highly mixed and brecciated unit. Dominate unit is highly fractured v̄ hard, poorly bonded, locally calcareous, pyritic qtzite. Fractures trend <30° to core axis. Sulphides extensively remobilized into fractures. Est % ph+Zn ranges from 4-8%.
						Within qtzite are local "clasts" of highly broken + fractured, incipiently sussed, v̄ soft altered musc > chl phyllite. Margins w̄ qtzite are irregular + brecciated.
						701-226.0 is brecciated soft buff white-tan altered phyllite. Within this interval are several thin stringers + bands of qtz + py ± minor sph + gal. Also within this interval are local clasts of pyritic qtzite ranging up to 5 cm ø. These clasts are highly broken + fractured - contain minor sph + gal.
						Centered at 429.5 is 5" thick band of black, v̄ soft, non-calcareous, PSS foliated phyllite. Margins are ⊥ to S_2.
						At 428.3 in Py qtzite is polished, slickensided shear trending 000/11° (relative to S_2) Slickensides indicate dip slip.
						At 423.9 is highly altered, v̄ soft dolomitic pale tan-green metabasite. Margins at band highly fractured + gouged.

C.R.I. 1987 E-3A

DDH B-9-G-10-2 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 3/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOT → 429.3 ~ broken, 1' core loss
						429.3 → EOT ~ broken, recy good.
	4132 0	4137 5		29	4K 13 3	± $ ± 8, ± 9 trace ± 5 minor.
	1317	1338				Thinly PS2 banded, brassy yellow and grey striped, ~ hard, ~ pyritic qtzite. Banding ranges on a scale of 1mm → 2 cm - locally bandings is up to 5 cm thick. Banding defined by dominate Py ~ local minor thin reddish brown sph bands. Dol occurs locally as thin tan bands and clots aligned ⊥ to Sa. magnetite occurs locally in thin black streaks aligned ⊥ to Sa. Traces of cpy infill fine fractures. Calcite, Qtz + chl also infill local steep anastimosing fractures. Fractures range from 20 - 60° to core axis. Sulphides also have been extensively remobilized into fine fractures. Contact w lower phyllite is sharp + slightly brecciated - but does not look like fault related. Near EOT, local paper thin black carbonaceous folia ⊥ to Sa.
						Est %Pb+Zn 2-4%.
						Core is ~ broken, recy good.
	4137 5	4139		30	5A 6	± $ minor ± 9 minor
	1333	1444				Black, mod soft, dominately PS2 foliated, thinly laminated, carbonaceous phyllite. Contains local minor thin qtz + dol bands generally < 1/2 cm thick aligned ⊥ to Sa. At 447.0' unit contains thin band of Po + < sph. Band is approx 1/2 cm thick

DDH 89G-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Jul 3/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						// to S_2 + Sulphides remobilized into adjacent fine fractures
						Unit contains local thin steep, discontinuous fractures infilled
						w white calcite + qtz. S_2 surfaces are dull dark grey
						to black and only slightly marked fingers. (S_3?) foliation
						locally visible in thin intervals. S_2? is steep < 12° to
						core axis dipping in same direction as S_2.
						TOI → 441.9 w broken, recov good.
						441.9 - 442.6 dark grey gouge. Top contact 000?/20°
						Bottom contact 000?/48° Not a significant fault
						442.6 → EOI mod broken, recov good. Core v broken
						at end run tags.
	1417 9	1417 6 8		31	15A 11	± $ minor.
	1444	1453				v hard, siliceous, PS_2 foliated thinly laminated, carbonaceous
						phyllite. Is texturally same as unit 30 except harder due
						to higher SiO_2 content. Qtz appears to be ubiquitous
						as well as concentrated in v thin qtz siltstone bands.
						Dolomite occurs locally as minor disseminations within
						thin f-vf qtz bands.
						Core v broken along S_2. Recov good.
	1417 6 8	1510 7 7		32	15A 10	± $ minor
	1453	1547				Same as unit 30. Black, thinly PS_2 foliated, mod soft
						carbonaceous phyllite. Contains minor dol. in local thin qtz rich
						bands. Contains local fine hairline fractures infilled w calcite.
						Contains local minor foliaform qtz veins ranging from

DDH 89G-023
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 2/3/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						1cm to 5cm thick veins contain minor v local tan dolomite in thin x-cut "elets" chl occurs infilling fractures in qtz veins and in thin pale green selvages to qtz veins. CS_3? is locally well developed in this interval - defined by thin X-cutting S_2 microveins foliation.
						At 496 S_2 = 000/55°.
	1510 17 7	1514 17 7		13 3	15 B 12 2	± 1 minor → [5A0 ± 8 minor] (5B7) minor.
	1517	1669				Mod soft, PS_2 foliated, medium to dark grey, moderately carbonaceous phyllite. Unit is lighter than # 32. S_2 surfaces are shiny medium → dark steel grey & only slightly mark fingers. Calcite is absent. Dol. occurs locally as minor disseminations in thin v qtz siltstone bands.
						TOI → 508.8 is light grey v green cast, thinly PS_2 laminated, moderately soft musc + chl phyllite. S_2 surfaces are dull light green - grey. Unit is v calcareous. Calcite appears to be ubiquitous. Contact v higher 5A is sharp // to S_2. Bottom contact v 5B22 is gradational over a few inches // to S_2.
						TOI - 535.2 v broken, very good
						535.2 - EOI v broken, contains local incipiently brecciated qtz veins ranging up to 5cm thick. Veins have dominate chl ± lesser P_0 + P_3 infilling fractures. Recy good.

DDH 89-G-102 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 3/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1514	1518		13	15A	± $ minor → [5322 ± $ minor]
	1669	1788				Mod soft dark grey → black, CS2 foliated, carbonaceous phyllite. S2 surfaces are shiny dark grey → black and slightly mark fingers. Contains local lithon texture defined by thin qtz ± calcite ± dolomite bands. A local steep S3 foliation is locally developed. At 562.0' S3 is // to core axis.
						TOI → 571.0 m broken, very good.
						571.0 → 579.0 v broken, local minor incipient gouge occurring along fractures. very good.
						579.0 → EOI s broken, very good.
						Overall this unit is slightly darker than #33 and slightly lighter than #35.
	1586	1613		13	15A	± $ minor
	1788	1820				Dominately PS2 foliated, locally CS2 foliated, black carbonaceous phyllite. S2 surfaces are carbon black & mark fingers. Contains abundant thin fine qtz ± calcite ± dol siltstone laminae & bands generally aligned // to S2 although some define local lithons. Contains locally abundant, thin, qtz ± cc infilled stringer fractures. Some fractures are infilled w fine py.
						TOI → 602.5 s broken, very good.
						602.5 → 603.4 v broken & incipiently gouged along thin steep fracture → not significant. very good
						603.4 → 612.0 m broken along S2. very good
						612.0 → FOI v broken & "poker chips" very good.

DDH BAG-02

2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 3/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1611 7	1612 0		13	15B12	Argillite
	1870	1893				Medium → dark grey, moderately soft, thinly laminated, PS2 foliated, moderately carbonaceous phyllite. Contains local minor dol ass- it is in thin local qtz rich bands. S2 surfaces are medium steel grey. No obvious faults. Contains local qtz + calcite + dol infilling thin fractures.
						TOI → 618.2 is broken along steep fractures. Local minor gouge along fractures. very good.
						618.2 → EOH is broken very good
						EOH

DDH 896-02 (2 8) CURRAGH RESOURCES INC.

Structural Log

Page 1 of 1

Date: _____ Logged By: Teresa

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1106	1348	CS2	S		20 000	55	Micaceous fltn + comp. banding
	1250	1812	CS2	S		130 00	54	" "
	1375	1213	CS2	Z		231 80	57	" " " "
	1509	1617	CS2	Z		34 180	74	Micac. fltn + comp banding + some pyrite banding in S_2
	543	1718	CS2	Z		161 80	68	Micaceous fltn + comp. banding
	649	2113	CS2	-		31 3127	51	" " "
	710	2333	CS2	Z		20 180	710	" " " "
	753	2417	CS2	-		24 235	79	" " " "
	823	2710	CS2	Z		181 80	74	" " " "
	856	2911	PS2	S		11 303	81	" "
	914	3010	CS2	Z		12 3105	719	" " " "
	975	3210	CS2	S		14 0006	66	" " " "
	1036	3410	PS2	-		10 2611	88	Micaceous fltn + comp. banding
	1064	3419	CS2	-		28 0010	74	" " "
	1143	3715	PS2	-		10 300	73	Micaceous fltn + comp. banding + pyrite banding
	1173	3815	PS2	-		- -	84	Micaceous fltn + comp. banding
	1265	4113	CS2	S		12 3145	710	" "
	1337	4385	PS2	-		- -	80	" "
	1350	4443	PS2	-		- -	89	" "
	1402	4610	PS2	-		- -	79	" "
	1475	4814	PS2	-		- -	69	" "
	1530	5012	PS2	-		- -	69	" "
	1618	5311	PS2	-		- -	69	" "
	1625	5313	PS2	-		- -	65	" "
	1701	5518	PS2	S		216 0010	75	" "
	1777	5813	PS2	S		719 -	615	" " "
	1823	5918	PS2	S		118 313H	613	" " "
	1856	6019	PS2	-		- -	715	" " "

DDH 896-02 (2–8) CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date July 3/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 0 14	16 100 20	22 — 0 — 26	28 00 30	32 — 34	36 WASTE 40	42
	13 13 17 100 9 1	13 13 15 102 4 9	4 1 7 1 4 5	4 8	4 5/8	1 4 C 1 7 1 3	(4C) minor
	13 13 15 9	13 13 18 103 2 7	4 1 7 1 4 6	2 8	2 08/8	1 4 C 1 3 1 7	Bxa (5B2) 70:30
→	1 1 0 3 2	1 1 0 9 0	— 9 —	5 8	—	WASTE	
	13 15 17 109 0 8	13 16 11 110 1 7	4 1 7 1 4 7	3 9	3 2/9	1 4 C 1 0 1	+7 micaceous
	13 16 11 7	13 16 15 111 3 2	4 1 7 1 4 8	3 5	3 5/8	1 4 C 1 L 1	
→	1 1 1 3	1 1 2 7	— 0 —	1 4	— 05	WASTE	
	13 16 19 112 7 9	13 17 11 113 3 7	4 1 7 1 4 9	1 8	1 8	1 4 E 1 1 1 7	4 $
	13 17 11 7	13 17 17 115 1 7	4 1 7 1 5 0	1 6 0	5 16/2	1 5 B 1 4 2	
	13 17 17 7	13 18 1 116 2 2	4 1 7 1 5 1	3 5	3 1/5	4 1 1 0 $	
→	1 1 6 2	1 2 6 6	— 0 —	1 0 4	—	WASTE	
	14 1 15 126 6 3	14 1 19 127 8 4	4 1 7 5 1 2	4 1	4 1/3	1 4 C 1 3 1 3	(5A 8) minor
	14 1 19 4	14 2 13 129 0 1	4 1 7 5 1 3	3 7	3 09/0	1 4 C 1 3 1 3	
	14 2 13 1	14 2 16 130 0 7	4 1 7 5 1 4	3 6	3 09/0	1 4 L 1 2 1 4	BxA
	14 2 16 7	14 3 12 131 1 0	4 1 7 5 1 5	5 3	5 1/3	1 4 1 D 1 0 1	(5A619) (4L) 85:10:5
	14 3 12 131 7 0	14 3 17 133 3 5	4 1 7 5 1 6	5 5	5 1/3	1 4 C 1 3 1 3	
→	1 3 3 3	1 9 9 3	— 0 —	5 6 0	—	WASTE	
		EOH					

C.R.I. 1987 E-5

PROJECT DDH 89-G-02 DRILLHOLE NO. _____ COORDINATES: N _____ DATE Jul 22 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 4

LOGGER Ivan & Audrey 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.	depth	length
																	10.5	10.5
34.5	34.5	2	.6	0	0		5		D							1	11.3	.77
37	2.5	1.65	.5	0	0		5		D							1	12.5	1.2
41	4	1.2	.4	0	0		5		D							0	13.4	.9
44	3	3	.9	0	0		6		D							0	14.3	.9
47	3	1.85	.6	0	0		5		D							0	16.2	1.8
53	6	.65	.2	0	0		5		D							0	20.4	1.8
67	6	.9	.3	0	0		5		D							0	23.5	3.0
77	10	3.8	1.2	0	0		6		E							1	25.1	1.6
82/5	5.5	4.5	1.4	.35	.1		6		E							2	25.5	.3
83/5	1.0	.8	.2	0	0		7		E							0	26.5	1.4
87	4.5	2.3	.7	0	0		6		E							4	28.2	1.7
92/5	5.5	1.95	.6	0	0		6		E							2	28.2	1.4
97	4.5	2.65	.8	.35	.1		7		E							2	29.6	1.4
102/5	5.5	1.5	.4	0	0		5		E							1	31.2	1.7
105/5	3	2.45	.7	0	0		5		E							1	32.2	.9
110	4.5	2.2	.7	0	0		6		E							3	33.5	1.4
114	4	2.5	.8	0	0		6		E							2	34.7	1.2
117	3	2.3	.7	0	0		6		E							2	35.7	.9
124/5	7.5	3.8	1.2	6.35	.1		7		E							1	37.9	2.3
131	6.5	6.4	2.0	0	0		7		E							4	40.0	1.9
135	4	3.5	1.1	0	0		7		E							1	41.1	1.2
141/5	6.5	4.2	1.3	.75	.2		7		E							2	43.1	2.0
147	5.5	3.4	1.0	.4	.1		6		E							2	44.8	1.7
157	10	1.7	.5	0	0		5		E							1	47.8	3.0
163	7	4.6	1.4	0	0		6		E							0	49.7	2.1
167	4	4.75	1.4	0	0		7		E							2	50.9	1.2
170/5	3.5	3.7	1.1	2.25	.7		9		E							1	52.0	1.0

Fig. 1. Typical rock mechanics core log.

PROJECT DDH 89 62 DRILLHOLE NO. _____ COORDINATES: N _____ DATE June 27 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 4

LOGGER Ivan & Audrey 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		depth COMMENTS	length
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.		
175	4.5	4.5	1.4	0.5	.1		6		D							1	58.3	1.4
178	3	3	.9	0	0		5		D							1	54.2	0.9
180.5	2.5	2.5	.8	.35	.1		6		E							1	55.3	.8
184.5	4	3.9	1.2	0	0		5		E							0	56.2	1.2
191	5.5	3.7	1.1	0	0		5		E							0	58.2	1.7
193	2	2	.6	0	0		6		D							3	58.8	.6
197.5	4.5	3.4	1.0	0	0		6		D							3	60.1	1.4
204	6.5	3.9	1.2	0	0		5		D							2	62.2	2.0
207.5	3.5	1.4	.4	0	0		1		D							0	63.2	1.1
213.5	6	5.5	1.7	1.75	.5		9		D							1	65.1	1.8
218.5	5	5	1.5	0	0		6		E							1	66.6	1.5
223.5	5	4.6	1.4	0	0		6		E							2	68.1	1.5
227	3.5	1	.3	0	0		6		E							1	69.2	1.1
235.5	12	4.7	1.4	2.35	.7		9		D							3	71.7	2.6
245.5	10	10	3	.55	.2		8		D							3	74.8	3
255.5	10	10	3	6.9	2.1		10		E							0	77.9	3
266	10.5	6.55	2.6	6.75	2.1		10		E							0	81.1	3.2
276	10	10	3	5.55	1.7		10		E							0	84.1	3
286.5	10.5	10.35	3.1	4.1	1.2		9		E							0	87.3	3.2
297	10.5	10.5	3.2	2.75	.8		9		E							2	90.5	3.2
305.5	8.5	8.5	2.6	2.3	.7		9		E							4	93.1	2.6
315.5	10	10	3	2.7	.8		10		D							5	96.2	3
325.5	10	10	3	4.55	1.4		9		E							2	99.2	3
335.5	10	10	3	6.55	2.0		12		E							2	102.2	3
345	9.5	9.5	2.9	4.45	1.4		9		E							3	105.2	2.9
356.5	11.5	9.8	2.9	5.75	1.8		9		E							5	108.7	3.5
366.5	10	10	3	7.2	2.2		10		E							2	111.7	3
377.5	10	10	3	5.95	1.8		9		E							2	115.1	3

Fig. 1. Typical rock mechanics core log.

PROJECT DDH 89 6 02 | DRILLHOLE NO. _____ | COORDINATES: N _____ | DATE June 27 1989

LOCATION _____ | HOLE SIZE _____ | E _____ | PAGE 3 of 4

LOGGER Ivan & Audrey | 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		depth	COMMENTS	length
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.			
387	9.5	9.5	2.9	5.05	1.5		7		D							8	117.9		2.9
393	6	6.	1.8	1.6	.5		5		E							3	119.8		1.8
402	9	6.55	2.0	.70	.2		5		D							7	122.5		2.7
409.5	7.5	7	2.1	1.65	.5		6		E							5	124.8		2.3
414.5	5	4.3	1.3	.35	.1		6		E							2.	126.3		1.5
424.5	10	10	3.0	4.8	1.5		7		D							5	129.4		3
429.0	4.5	3.8	1.2	.4	.1		6		D							3	130.7		1.3
437	8	6.25	1.9	5.3	1.6		7		D							5	133.2		2.4
443	6	6	1.8	2.5	.8		6		E							3	135.0		1.8
452	9	9	2.7	1.3	.4		6		E							5	137.8		2.7
462	10	9.8	2.9	5.05	1.5		8		E							4	140.8		3
464.5	2.5	1.1	.3	0	0		6		E							2.	141.6		.6
473	8.5	8.5	2.6	4.0	1.2		7		D							3	144.2		2.5
483	10	10	3	3.3	1.0		7		E							2	147.2		3
493	10	10	3	2.5	.8		6		E							2	150.3		3
503	10	9.7	3.0	3	.9		7		E							2	153.3		3
507	4	4	1.2	2.2	.7		9		E							3	154.5		1.2
517	10	10	3	3.8	1.2		8		E							3	157.6		3
527	10	10	3	4.8	1.5		8		E							2	160.6		3
537	10	10	3	3.45	1.1		8		E							6	163.7		3
541	4	4	1.2	0	0		6		D							6	164.9		1.2
543.5	2.5	2.5	.8	0	0		6		D							3	165.6		.8
549.5	6	6	1.8	0.35	.1		7		D							9	167.5		1.8
557	7.5	7.3	2.2	0.4	.1		7		E							3	169.8		2.3
567	10	10	3	3.8	1.2		7		E							3	172.8		3
575	8	7.4	2.3	0.35	.1		6		D							4	175.3		2.4
579	4	4	1.2	0	0		6		D							2	176.5		1.2
587	8	8	2.4	1.8	.5		7		E							1	178.9		2.4

Fig. 1. Typical rock mechanics core log.

PROJECT DDH 89 G02 DRILLHOLE NO. _____ COORDINATES: N _____ DATE June 22 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 4 of 4

LOGGER Ivan & Audrey 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		depth COMMENTS	length
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.		
597	10	8.8	2.7	2.85	.7		8		E							3	181.9	3
607	10	10	3	1.6	.5		8		D							5	185.0	3
612	5	5	1.5	0.35	.1		6		D							5	186.5	1.5
616	4	3.4	1.0	0	0		6		D							4	187.8	1.2
621	5	4.6	1.4	0	0		5		D							3	189.3	1.5

Fig. 1. Typical rock mechanics core log.

DDH B.9.6.-0.2. (2 8) metres

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17.Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	100	198	N1P1					Tricone2 – no recovery
	198	11/13	31B1	7				
	11/13	11/43	R1J1	8				
	11/43	11/62	R1 1	1				
	11/62	11/89	N1P1					no recovery
	11/89	1204	J131B	1				
	1204	1235	J1R1	3				
	1235	1251	J131B	7				
	1251	1255	J121B					
	1255	1260	J1R1	2				
	1260	1347	J131B	5				
	1413	1420	R131B	3				
	1420	1427	Q121B	6				
	1427	1523	J131B	5				
	1523	1588	J131B	7				
	1588	1623	J1R1	6				
	1623	1641	G 1					
	1641	1653	21B1					
	1653	1681	J131B					
	1681	1692	31B1	2				
	1692	1695	21B1					
	1695	1710	X131B					
	1710	1728	21B1					
	1728	1936	11B1					
	1936	1950	X1J1B					
	1950	11013	11B1					
	11013	11014	J131B					
	11014	11127	11B1					
	11127	11133	D1 1					
	11133	11152	21B1					
	11152	11159	X111B					
	11159	11162	J131B					
	11162	11180	21B1					
	11180	11186	31B1					
	11186	11187	11G1					

DDH 89G-02 (2 8 metres)

CURRAGH RESOURCES INC.

Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct		INTERNAL Dip Direct.		LOWER Dip Direct		Description
1	10 14	16 20	22 24	26	28 32		34 38		40 44		
	1.11.8	1.11.96	2IBI								
	1.11.96	1.11.98	X13IB								
	1.11.98	1.12.12	2IBI								
	1.12.12	1.12.16	J13IB								
	1.12.16	1.12.16	2IBI								
	1.12.16	1.12.172	3IB								
	1.12.172	1.12.190	1IBI								
	1.12.190	1.13.09	X13IB								
	1.13.09	1.13.17	X12IB								
	1.13.17	1.13.33	1IBI								
	1.13.33	1.13.147	2IBI								
	1.13.147	1.13.149	1IGI		210	9010			418	990	
	1.13.149	1.14.44	2IBI								
	1.14.44	1.14.53	1IB								
	1.15.147	1.16.31	1IBI								
	1.16.31	1.16.169	3IBI								
	1.16.169	1.17.40	2IBI								
	1.17.40	1.17.165	3IBI								
	1.17.165	1.18.36	1IBI								
	1.18.36	1.18.39	J13IB								
	1.18.39	1.18.165	2IB								
	1.18.165	1.18.171	T13IB								
	1.18.171	1.18.184	J13IB								
	1.18.184	1.18.193	2IBI								
											EOH = 189.3

No.	NAME NOM
	89 G-03

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-03

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

~~UTM~~ Terr. Plane Co-ords.: 6904470.807 N 5910.88N

592480.217 E 2467.46E

Grid Co-ords: 58W / 5S

Elevation: 1257.265

All symmetry determinations looking

Total Depth: 717 feet 218.5 m

NW with S2 dipping

Inclination: -90° VERTICAL

SW with dip azimuth _____.

Purpose: Test Champ Zone

Reason hole Terminated: Successfully intersected ore

Logged by: L PIGAGE

Date(s) Logged: June 1-4, 1989

Drilling Contractor: ARCTIC DIAMOND DRILLING

Hole Cemented: No

Steel down Hole: No

Collar Cased and Capped: No

CORE Size	From	To
NW	0'	44'
NQ	42'	717'

Assay Lab: _____

Certificate No's: _____

Started: June 28/89 Completed: June 30/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 896-03
(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	896-03						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	896-03	0	-90.0	0.0	ATCOLLAR
R		1403	-88.5	318.0	SPERRY SUN
R		1589	-86.0	045.0	SPERRY SUN
R		2146	-84.0	033.0	SPERRY SUN
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 89G-03

FEET

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 1/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	100	4120		1	*	TRICONED - NO RECOVERY
		128				Bedrock @ 24'. CASING EXTENDED TO 44'
	4120	4195		2	5A16	→ (5A0) (5D*) 85:15: TRACE
	128	151				TOI contains a few rounded pebbles of 5C and 10AB.
						Moderately soft, noncalcareous, PS2-foliated to gently CS2-foliated, dark grey phyllite. S2 surfaces shiny very dark grey but does not strongly mark fingers. Minor scattered small pyrite porphyroblasts. S2 surfaces look fresh and unweathered. Lowermost 1' contains well-developed, pale grey, speckled calcite-quartz-siltstone bands up to 3cm thick. These define S1 microlithons within S2.
						At 46' have 4cm of pale olive green, homogeneous, soft, slightly dolomitic, chloritic phyllite. Marginal contacts sharp parallel S2.
						Core very poker chippy & broken / 42-46' only 2' core / 46-EOI recovery looks reasonable.
	4195	8100		3	5B1*21	
	151	243				Moderately soft, CS2-foliated, medium grey to medium-dark grey, thinly banded phyllite. S2 surfaces steely grey and do not mark fingers. Well developed carbonate-qtz bands up to 4cm thick parallel S2 and containing inclined laminae defining S1 microlithons. Response to 10% HCl slight to moderate suggesting dolomitic or slightly calcareous. Marginal contacts gradational into darker phyllites.
						Core very broken & poker chippy w/ poor recovery. TOI-53 recovery OK/ 53-56 2' core / 56-58 2' core / 58-63 3.5' core / 63-67 0.2' core / 67-73 1.5' core / 73-77 1.5' core / 77-EOI 0.6' core.

DDH 89G-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 4

Date: July 1/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1800	11275		14	5A161±1$	(5D$) MINOR
	243	389				Moderately soft to moderately hard, dominantly PS2-foliated, noncalcareous, black to very dark grey phyllite. S2 surfaces shiny dark grey and do not mark fingers. Pyrite as thin streaks parallel S2 and as small subhedral grains up to 0.5cm across. Subhedral grains have qtz pressure shadows in S2 fltn. Locally can see minor small black cherty nodules flattened in S2 fltn w/ small pressure shadows around them.
						locally contains thin, medium grey qtz-dolomite interbands. Intervals w/ interbands not as dark grey overall giving unit a thick bedded appearance in shades of dark grey.
						Core very broken and gaken, chippy w/ overall good recovery. Only minor gouge present. TOI - 81.5 recovery OK / 81.5 - 84.5 2' core / 84.5 - 88.5 3' core / 88.5 - 92.0 3' core / 92.0 - 93.5 recovery OK / 93.5 - 102 recovery OK / 102 - 109.5 4' core / 109.5 - 114 3.5' core / 114 - 118.5 0.2' core / 118.5 - 120 0.8' core / 120 - 127 2.5' core / 127 - EOI recovery OK. Major core loss 114 - 127.
L	11275	11410		15	5B2101	[5A3]
	389	427				Moderately soft, calcareous, CS2-foliated, dark grey phyllite. S2 surfaces are very dark grey and do not strongly mark fingers. Overall colour medium grey because of larger proportions of qtz-calcite siltstone bands. Siltstone bands nicely preserve S1 microlithons. Siltstone bands also contain black cherty nodules strongly elongate in So/S1 foliation.
						Core very brken & gaken chippy. 127 - 131 3' core / 131 - 137 1' core / 137 - 143 6' core. Major core loss for interval 131 - 137.

DDH SG-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 1/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1140	1175		16	SA$1±	
	42.7	54.1				Very dark grey, dominantly PS2-foliated, moderately hard and locally moderately soft, slightly dolomitic, carbonaceous phyllite. Minor py in thin streak parallel S2 and as small subhedral grains. Contains lighter grey qtz-dolomite siltstone bands which nicely preserve S1 microlithons. S2 surfaces are very dark grey to shiny black and mark fingers.
						Core very broken, rubbly and poker chippy TOI-143 3' core / 143-153.5 4.5' core / 153.5-156.5 3' core / 156.5-161 4.5' core / 161-177 5.5' core Major Core loss 143-153 and 161-177 Gouge & fault zone @ EOI. Upper contact gouge 25/000 wrt S2.
L	1175	1185		17	SB2$1	
	54.1	56.4				Moderately soft to soft, CS2-foliated, dolomitic, medium dark grey, thinly banded phyllite Contains 1-3 cm thick qtz-dolomite bands which display S1 microlithons. S2 surfaces steely grey. Softer and lighter coloured than overlying unit. Extensive qtz-dolomite veins and veinlets in interval. Rock moderately to very broken. TOI-178.5 mud gouge - upper contact 25/000 wrt S2, lower contact parallel S2. S2 disturbed & much steeper than usual 178.5-183 core mod. broken, recovery OK / 183-EOI. Core very broken & rubbly - no gouge Recovery OK.
	1185	1913		18	SA6&10	MINOR
	56.4	59.1				Moderately hard, noncalcareous, CS2-foliated, dark grey to black, thinly banded phyllite. S1 microlithons displayed by medium grey qtz siltstone bands up to 4cm thick. One short interval of 10cm is moderately calcareous. Minor embedded scattered pyrite grains. Upper & lower contacts gradational. Core mod. broken w/ OK recovery.

DDH BGG-03
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CURRAGH RESOURCES INC.
Lithologic Log

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Date: July 2/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1913.8	1916.5		9	SAL$	
	59.1	59.9				Moderately soft, CS2-foliated, very dark grey to black, dolomitic, thinly banded phyllite. S2 surfaces shiny black and mark fingers. Dolomite w/ qtz in medium grey siltstone bands up to 4cm thick. Siltstone bands show well-developed S1 microlithons. Core mod. broken w/ excellent recovery
	1916.5	2713.5		10	SBLAG	
	59.9	83.4				Moderately soft, thinly banded, CS2-foliated, dark grey, noncalcareous phyllite S1 microlithons defined mostly thin medium grey, qtz siltstone bands ranging up to 3-4 cm in thickness. Also some colour banding in shades of grey to dark grey parallel S2. S2 surfaces are steely grey. Minor small irregular porphyroblasts of pyrite and pyrrhotite. Both cross-cutting and crudely S2-foliaform white bull qtz veins w/ lesser carbonate. TOI - 205 mod. broken & poss chippy. Recovery OK // 205-236 mod. broken w/ good recovery // 236-245 mod. broken w/ short 5-10cm gouge intvl @ ≈ 242. associated w/ qtz vein. Recovery 236-245 7' only // 246-272.5 mod. broken w/ minor incipient gouge. Recovery OK. // 272.5-EOI gouge w/ good recovery. Upper contact parallel S2 and lower contact cont'n rubble at drill run end
	2713.5	2818.0		11	MEI1@8	(MC3@15)(SD4$ [4L$ 6WEAK]) (1000) 30:30:35:05
	83.4	86.3				Poorly defined variety of ore types. Massive S= is thinly banded, brassy yellow, fine-grained pyrite. Contains beads and elongate lenses of black magnetite and subordinate tan sphalerite elongate in S2 plane. Locally minor thin streaks of reddish sphalerite and galena. Pyrite content 95%. Locally qtz content increases to make a thinly banded white to medium grey

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CURRAGH RESOURCES INC.
Lithologic Log

Date: July 2/89 Logged By: KLP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						hard gtzite w/ thin bands of pyrite up to 2cm thick. Locally gtzite also has minor pale tan anhedral to angular grains. Magnetite not present in gtzose intervals.
						Intbanded to slightly calcareous (i.e. anhedritic) pale cream, soft, muscovite phyllite. PS2-foliated. Very fissile compared to ores. S2 surfaces are silvery cream. Locally contains minor thin pyrite streaks parallel S1 Marginal contacts both sharp and gradational.
						Interval contains steep fracturing oriented 10/290 wrt S2. Fractures up to 1cm wide. Locally totally weathered out for vuggy core. Locally contains extremely soft bright bluish green mica/clay mineral. Fractures locally also have extensive splashes chalcopyrite.
						Core mod. broken. Incipient gouge associated w/ 4L. Recovery looks OK.
						Estimated grade 1-3% (Pb+Zn) — especially w/ dilution by 4L.
L	121813 0	121911 8		112	4/E/81±16	± ϕ
	86.3	96.9				Fine-grained, moderately hard, PS2-foliated, brassy yellow pyrite. Magnetite as small streaks and blebs parallel S2 foliation. Locally slightly dolomitic w/ dolomite as small specks disseminated in matrix. Thinly banded w/ 1-5 mm bands defined by slight porosity due to recessive weathering of carbonate — therefore slightly porous. Contains minor 1-2cm thick bands which are baritic and contain galena & honey-coloured sphalerite. Estimated grade 3% (Pb+Zn) or less.
						TOI - 289 mod. broken w/ good recovery.
						289 - EOI Mod. broken w/ good recovery. Steep fracture going down core axis. Some open spaces along fracture due to weathering. Some minor bxn developed on margins of fracture.
						Lower contact sharp between 4E & 4A.

DDH B-9-G-0.3 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 2/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12918	131010 7		113	4A01	
	88.9	91.7				Hard, CS2-foliated, moderately pyritic, medium grey quartzite. Ribbon-banding constitutes 60-80% of unit. Pyrite content 15-20% Estimated (Pb+Zn) less than 1%. Pyrite disseminated as tiny grains in pale qtz "ribbons" and as diffuse bands parallel S2. S2 surfaces are sooty to shiny black and mark fingers.
						Core very broken & locally rubbly — especially along fractures going vertically down core axis. Bxn developed along fracture margins — locally core has open spaces in fractures. Lower contact has contact between 4A & 4E displaced along fracture. Recovery good
	131010 7	131017 1		114	4E$1	±8 MINOR
	91.7	93.6				Moderately hard, PS2-foliated, fine-grained, brassy yellow pyrite. Slightly porous in thin bands weathers recessively w/ small holes. Locally also contains angular clasts up to 1cm across of pale cream dolomite. Near top of interval have large fine-grained magnetite blebs elongate in S2 plane. Minor qtz lenses. — lenses contain minor splashy chalcopyrite in thin cutting fractures. Locally compositional banding is steeper than S2 — probably S1. Pyrite content 90%
						Core slightly broken w/ excellent recovery. Steep fractures go down core axis Some open spaces along the fractures.
	131017 1	131108		115	4C01	(4D30) 65:35 [4L12H]
	93.6	94.7				Major unit is pale off-white, thinly banded, slightly pyritic, noncalcareous qtzite. Banding on 0.5-1.0cm scale w/ alternating qtzite and pale green silvery muscovite. S2 surfaces silvery pale green. Pyrite content 5% Minor sphal+gal. w/ pyrite in thin bands. Estimated grade 2% (Pb+Zn)

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CURRAGH RESOURCES INC.

Lithologic Log

Date: July 2/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131017	131108		115		Near TOI and EOI have 10-20cm bands of very pyritic gtzite. Abundant reddish sphalerite associated w/ pyrite. No muscovite present in these intervals
	~~94.5~~ 94.7	94.7				
	93.6					Pyrite content 30-40% Estimated grade 7% Pb+Zn.
						Core very broken & rubbly. Steep fractures along core axis. Some open spaces along the fractures. Recovery OK.
	131108	131190		116	4E81\$16	
	94.7	97.2				Moderately hard, thinly banded, slightly dolomitic, brassy yellow pyrite. Banding defined by thin slightly porous intervals and by thin slightly baritic intervals. Baritic intervals appear to contain honey-coloured sphalerite. Non baritic intervals finer grained & contain thin magnetite streaks parallel S1 and S2. Estimated grade 4% Pb+Zn — although this interval may surprise because of baritic material. Pyrite content 85-95% Core mod. broken w/ some rubbly intervals because of breakage along steep fractures. Some open spaces along fractures as well as slightly porous & friable in spots. Recovery OK
	131190	131340		117	4A10±1\$	±3 (4C0 ± 3 ± 5 ± \$) 70:30
	97.2	101.8				Dominantly a hard, medium grey, pyritic gtzite. Banding defined by fine-grained medium grey slightly pyritic bands interlayered w/ white, pyritic gtzite. S2 surfaces are pink grey and do not strongly mark fingers. Locally slightly dolomitic w/ small tan dolomite grains in thin bands. Grey intervals 10-40% Pyrite content ranges 5-40%. Similar to Unit # 13 (291.8-300.7).
						Contains less carbonaceous intervals up to 1m thick. More pyritic portions have diffuse py bands parallel S2 and S1. In one case gtzite contains 1cm bands of muscovite-gtz phyllite — possible altered metabasite nearby?
						S1 steep — generally roughly down core axis. Steep fractures w/ open

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Lithologic Log

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Code	From	To	Recov.	No.	Unit	Description
	131190	131340		117		spaces along the fractures. Estimated grade less than 1% Pb+Zn.
	97.2	101.8				Incipient brxiation along the steep fractures.
	131340	131375		118	4E01$	
	101.8	102.9				Moderately hard, PS2-foliated, thinly banded, brassy yellow, fine-grained pyrite. Dolomite as angular tan clasts and disseminated locally in matrix. Banding defined by thin slightly porous intervals as carbonate weathers recessively. Estimated Pb+Zn = 4% Estimated pyrite content 90% Core slightly broken w/ good recovery.
	131375	131570		119	4E1$1±18	(4L24$) 70:30
	102.9	108.8				Moderately hard, PS2-foliated, thinly banded, brassy yellow, fine-grained pyrite. Dolomite as angular tan clasts and disseminated in matrix. Clasts are up to 2 cm across. locally porous weathering in thin bands parallel S2 because carbonate weathers out. Near EOT have large clumps of rounded, fine-grained magnetite. Magnetite associated w/ sphalerite, galena, dolomite. Diameter locally of 5 cm. Interbanded pale grey muscovite-qtz phyllite w/ thin bands of pyrite, sphalerite, galena, qtz. S2 surfaces silvery cream. Micaceous intervals very soft & qtzose intervals very hard locally also contains dolomite clasts/clots and bands. Thin intervals are up to 60cm thick. Contacts w/ pyrite seem gradational. Pyrite content 10-20%. Estimated grade 4% Pb+Zn overall. Core mod. to very broken. Rubbly in intervals consisting of muscovite phyllite. Steep fractures parallel core axis. Some open spaces and incipient brxiation along the fractures. Recovery OK.

C.R.I. 1987 E-3A

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CURRAGH RESOURCES INC.
Lithologic Log

Date: July 2/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	315.7	316.0		21	5D614	@ MINOR [410 @ MINOR]
	108.8	109.7				Moderately soft, PS2-foliated, pale silvery cream muscovite phyllite. S2 surfaces silvery white. A+ EOI have pale tan veinlets in S2 consisting of ankerite(?) Texture of veinlets strongly reminiscent of 5D gtz-calcite veinlets. Otherwise unit is noncalcareous. Core very broken & rubbly w/ good recovery.
	316.0	316.45		21	4E$	[4K $]
	109.7	111.1				Brassy yellow, fine-grained, PS2-foliated, pyritic sulphides. Abundant fine disseminated dolomite in matrix. Also has large tan dolomite clasts up to 2cm across. Upper contact gradational w/ 4L — some interbanding w/ 1cm muscovitic micaceous intervals. Sulphides locally slightly greasy from sulphides weathering out. Also open grasses along steep fractures going down core axis. Estimated grade 4% (Pb+Zn). Core mod broken w/ short rubble @ 361.5'. Recovery OK
	316.45	317.20		22	4E$	BXA
	111.1	113.4				Same general rock type as last Unit # 21 (360-364.5) Consists of bxa and gouge locally bxa cemented by dolomite. Also contains streaks and irregular infillings of blackish green clay(?) mineral. Near 370' bxa is sulphide in sulphide pyrite. Clasts can be up to 5cm across. TOI - 370 BXA Core mod broken w/ good recovery. 370 - EOI Gouge Good recovery although core locally rubbly. Internal angle on gouge about 15° core axis. Matrix of gouge does contain pyrite. Probably not a significant fault because similar rock types on both sides.

DDH 89G-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 2/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131720	131755		213	41K|$1|14	CHLORITE [4D $3 CHLORITE]
	113.4	114.5				PS2-foliated, moderately soft to moderately hard, dolomitic pyritic sulphides. Dolomite pale tan and occurs both as disseminated fine grains in matrix and as subangular clasts up to 2 cm across. S2 parallel bands of quartz w/ bands and lenses of dark green soft chlorite. Sphal-gal disseminated w/ pyrite in compositional bands parallel S2. Pyrite content 50-70% Estimated Pb+Zn = 6% combined. Rock is a fence-sitter in terms of mineralogy and composition. S2 surfaces locally a patchily chlorite green. Slightly porous w/ thin bands weathering recessively. Core very broken to rubbly. Recovery OK.
	131755	131778		214	4E$18	POROUS MINOR
	114.5	115.2				PS2-foliated, fine-grained, slightly magnetic, slightly to moderately dolomitic, brassy yellow pyrite. Dolomite occurs as fine disseminated grains in matrix and as subangular clasts and bands up to 1cm across. Especially in upper portions slightly porous w/ thin bands parallel S2 weathering recessively due to carbonate. Magnetite as large subrounded, fine-grained blebs consisting dominantly of magnetite-quartz. Estimated (Pb+Zn) grade 4% Core intact w/ excellent recovery. Pyrite content 90% Dolomite content 5%
	131778	131830		215	41C101$1	→ (4D38 $ MINOR X 4E$4)(4L0) 50:46:02:02
	115.2	116.7				Top of interval is moderately hard to hard, CS2-foliated, pale grey, slightly pyritic qtzite. Slightly calcareous in 20% HCl. Pyrite forms diffuse bands outlining S1 microlithons and parallel S2. Contains thin bands dominantly muscovite which are pale cream. S2 surfaces qtzite grey w/ patchy silvery muscovite. Grades 2% Pb+Zn. Pyrite content 10-15%. Down DDH go through short interval of interbanded PS2-foliated slightly dolomitic pyritic sulphides and pale creams to pale greens muscovite-chlorite phyllite.

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CURRAGH RESOURCES INC.

Lithologic Log

Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131717 8	131813 0		1215		Phyllite is moderately soft, noncalcareous. Medium green colour patchily developed through unit. Pyritic sulphides similar to last unit only w/ more grade.
	~~115.7~~ 116.7					
	115.2					In 4E estimated Pb+Zn = 6%
						Lowermost unit is hard, very slightly dolomitic, PS2-foliated, pyritic qtzite. Magnetite as small streaks and blebs generally elongate parallel S2. Some pale grey qtz-rich lenses within more pyritic intervals. Locally dark green from disseminated chlorite. Pyrite content 35% (Pb+Zn) = 6%.
						Interval intact w/ excellent recovery
	131813 0	131815 7		1216	4L101$16	WEAK
	116.7	117.6				Moderately soft, pale grey w/ slight greenish tinge, slightly to moderately dolomitic, CS2-foliated, muscovite-chlorite phyllite. S2 surfaces silvery white. Dolomite occurs as thin silty bands defining S2 fltn and S1 microlithons. Upper contact sharp against qtzite & lower contact rapidly gradational into pale grey phyllites. Probably altered 5B (?) Core mod. broken w/ good recovery
	131815 7	131819 5		1217	5TB1201	
	117.6	118.7				Dark grey, CS2-foliated, moderately soft, calcareous phyllite. S2 surfaces shiny dark grey to black but do not strongly mark fingers. Abundant medium grey qtz-calcite siltstone bands define S1 and S2 surfaces. Only very minor disseminated fine pyrite in siltstone bands. Upper contact gradational and lower contact sharp against light grey phyllite. Core mod. broken w/ good recovery
	131819 5	141116 0		1218	5TB1017	BIO (5DO)
	118.7	126.8				Moderately soft, PS2-foliated to weakly CS2-foliated, calcareous, pale grey phyllite. Cut surface has greenish tinge when wet. Also locally developed purplish hue from

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Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131819 5	141160		1219		Disseminated biotite — especially near calcareous siltstone bands. Calcite associated
	118.7	126.8				w/ qtz in thin silty bands parallel S2. S2 surfaces are silvery, shiny
						grey. Lower contact gradational into darker grey phyllite.
						Interval 400.2 – 406.2 is moderately soft, calcareous, PS2-foliated, pale olive
						green, chlorite phyllite. Abundant thin white qtz-calcite veinlets parallel S2
						foliation. S2 surfaces silvery white. Upper & lower contacts poorly defined —
						appear to be gradational. Core slightly broken w/ good recovery.
	141160	141295		1310	5B10217	B10
	126.8	130.9				Moderately soft, PS2-foliated, medium grey, thinly banded, calcareous phyllite. S2 surfaces
						are silvery to shiny grey. Calcite-qtz-biotite form siltstone bands parallel S2 up to
						2cm thick. Biotite disseminated as brown grains. Phyllitic portion of cut surface
						has medium green hue when wet. Both upper & lower contacts gradational.
						Core intact w/ excellent recovery.
	141295	141340		1311	5B12101	B10
	130.9	132.3				Soft, CS2-foliated, dark grey, thinly banded, calcareous phyllite. S2 surfaces are
						very dark shiny grey but do not mark fingers. Calcite-qtz-biotite ± pyrrhotite in
						thin medium grey bands parallel S1 and S2. Core slightly broken w/ excellent
						recovery. Both upper & lower contacts appear gradational.
	141340	141420		1312	41C101	→ (4D08 ± $ X 5F6) 30:70: TRACE
	132.3	134.7				Uppermost 2' is hard, pale grey, slightly pyritic qtzite. Minor thin bands of
						fine pyrite w/ lesser sphalerite + galena parallel S2. Pyrite ~5% S2 surfaces
						patchily silvery w/ muscovite. One spot contains small pale pink garnets. Looks
						like altered & silicified phyllite.

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Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Majority of interval consists of pale green gtzite w/ 1-5 cm bands of disseminated pyrite ± galena ± sphalerite. Locally bands also contain magnetite. Locally unit moderately to slightly dolomitic. S2 surfaces silvery green from patchily developed muscovite. Pyrite content 25% Py > sphal + ga Estimated grade about 6% (Pb+Zn) Unit contains thin interbands of noncalcareous, soft, homogeneous, PS2-foliated dark green chlorite phyllite. Possibly former metabasite (?) Intervals up to 10cm long
						Core mod. broken w/ good recovery
	14 14 12 0	14 14 16 1		313	4 E # 1 ± 14	(5C ± 7)
	134.7	135				Fine-grained, PS2-foliated, brassy yellow pyritic sulphides. Uppermost & lowermost portions of interval have moderate amts of white disseminated in matrix of 4E. 4E locally banded w/ 5-10 cm thick sharp reddish-brown sphalerite rich intervals Pyrite content 90% Estimated overall (Pb+Zn) = 4-6%
						In centre of interval have 1.5' thick strongly banded, dolomitic, metabasite. Striped between dark green chlorite and pale grey-white dolomite. Both PS2- and CS2-foliated Marginal contacts sharp parallel S2 Inner 2cm within pyritic 4E have 1.5cm rounded clasts of 5C7 — S2 flattening in clast is randomly oriented — i.e. not parallel PS2
						Core intact w/ good recovery
	14 14 16 1	14 15 10 5		314	4 I C 15 1	→ (4A0) TRACE
	136	137.3				Hard, pale grey, noncalcareous gtzite Moderately pyritic w/ diffuse thin bands of py parallel S2 and skeletal network of fine py along incipient fractures. Py content 10% Contains thin dark grey carbonaceous laminae parallel S2 flattening S2 surfaces are dark shiny grey Here locally fade out to uniform grey gtzite. Overall estimated Pb+Zn

C.R.I. 1987 E-3A

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CURRAGH RESOURCES INC.
Lithologic Log

Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grade estimated at < 2% Bottom 10cm is dark grey, PS2-foliated, very carbonaceous HA w/ only minor qtz-py ribbon banding Sphalerite > py in the qtz-5" bands. S2 surfaces dark shiny grey Core intact w/ excellent recovery.
	14510 5	14513 0		315	4E1101	
	137.3	138.1				Fine grained, noncalcareous, PS2-foliated, homogeneous, pale brassy yellow pyritic sulphides. Totally barren. Contains irregular subhedral qtz-clasts scattered throughout unit. Pyrite content 85% One large dolomite clast up to 2cm across has weathered out recessively. Core intact w/ excellent recovery.
	14530	14611 7		316	4L1214	8 $ [4C 38 $ MICACEOUS]
	138.1	140.7				Background rock type is moderately hard to hard, PS2-foliated, pale green to grey, muscovite-chlorite-qtz qtzite or siliceous phyllite. Locally dolomitic w/ dolomite disseminated in thin bands in matrix. In some spots can see small pale pink garnets. "Overprinting" Unit have thick bands of fine-grained, thinly banded Pyrite w/ streaks & bands of magnetite and minor sphalerite + galena. Pyritic intervals extend for 30-40 cm. Overall pyrite content 35% Estimated grade 2-4% (Pb+Zn) S2 surfaces gtzose w/ patchy muscovite & patchy pyrite. Core intact-recovery good
	14611 7	14618 7		317	4D1314 $	(5A196 ± #) 70:30
	140.7	142.9				Dark brassy yellow, hard, PS2-foliated, slightly dolomitic, very pyritic qtzite. Pyrite content denotes thick compositional bands parallel S2. Also has thin bands defined by reddish sphalerite content and thin white muscovite-rich zones. Dolomite disseminated in matrix and as larger subangular clasts. Estimated grade 10-11% (Pb+Zn). Contains interbands of hard, black, pyritic, CS2-foliated phyllite. Generally noncalcareous but locally very calcareous. S2 surfaces black and strongly mark fingers. Contacts

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Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						between the 2 rock types sharp parallel S2. S2 fold hinge @ 467.5. Carbonaceous, siliceous phyllite appearance 4A but doesn't have enough silicification or ribbon banding texture. Interbands up to 50cm thick.
						TOI - 470.2 very golden chippy and fissile along S2 Recovery OK
						470.2 - EOI Core intact w/ excellent recovery
	141687	141800		318	5A$19	±1 (421.7 ±4) 60:40
	142.9	146.3				Moderately hard, CS2-foliated, dolomitic, black phyllite. S2 surfaces shiny black and strongly mark fingers. Dolomite as 1% in thin siltstone bands parallel S2 and defining S1 microlithons. Minor small pyrrhotite grains scattered through phyllite.
						Contains highly altered interbands of pale grey, hard, dolomitic, muscovite ± tale. Pyrrhotite as skeletal grains & infillings forming diffuse compositional bands parallel S2. S2 surfaces silvery from muscovite. Locally it has 5-6% (Pb+Zn) Overall grade 1-3% (Pb+Zn) Marginal contacts generally sharp w/ 5A. Pyrrhotite 20-30% of 4L. Minor cpy as fracture infillings. Fe-rich 4L up to 60cm thick. Can also go as massive vein/fracture infillings.
						Core intact — recovery excellent.
	141810	141817		319	5A1$1	
	146.3	148.4				Moderately soft, CS2-foliated, slightly dolomitic, thinly banded, black phyllite. S2 surfaces shiny black and poorly mark fingers. Abundant medium grey 1% dolomite compositional bands define S1 and S2. Fine-grained pyrrhotite disseminated largely in the silty bands. Lower contact gradational into lighter phyllite w/ much fewer siltstone bands. Core well broken w/ good recovery.

C.R.I. 1987 E-3A

DDH BGG-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	41817 0	41917 2		1410	5A1$91	=1 (4L1$7) 90:10
	148.4	151.5				Dark grey to black, CS2-foliated, moderately soft to hard, slightly dolomitic, thinly banded phyllite. S2 surfaces shiny black and goonly mark fingers. Contains scattered grains and irregular stringers of fine-grained pyrrhotite. Typically phyllite in pyrrhotitic intervals is bleached to pale grey muscovite-qtz phyllite. Locally bleached phyllite occurs as clasts within almost massive pyrrhotite. Pyrrhotite-rich interbands are up to 20 cm thick. Carbonaceous phyllite locally has small black cherty nodules.
	41917 2	51120		1411	41D31H1$	879
	151.5	156.1				Medium to dark grey, PS2-foliated, hard, pyritic and pyrrhotitic qtzite. Thinly banded w/ bands defining PS2. Bands marked by pyrite, pyrrhotite, fine magnetite, dolomite, and muscovite. S2 surface qtzite grey w/ patchy muscovite. Splashy minor chalcopyrite in x-cutting fractures. Grade varies but hovers around 9-11% Pb+Zn. Pyrite + pyrrhotite content 35% Py ≈ equal to pyrrhotite. Core intact w/ excellent recovery.
	51120 0	51192		1412	41D$1817	(4A4) [4L124$87] 65:35
	156.1	158.3				Similar to last unit #41 (497.2-512) Medium grey, moderately hard, PS2-foliated muscovite qtzite to siliceous muscovite-qtz phyllite. thin bands of dolomite define S1 and S2 Minor magnetite in thin blebs elongate along S2 Py ≫ po w/ pyrite content ≈ 15%. Estimated Pb+Zn = 7%. Py in diffuse bands up to 10cm thick S2 surfaces silvery from muscovite. Minor bio as thin selvages to calcite veinlets. Contains interbands of slightly pyritic, hard, ribbon-banded, carbonaceous qtzite. Noncalcareous. Disseminated fine sphalerite gives estimated grade of 6% (Pb+Zn). No pyrrhotite. Ribbon banding very thin — well-developed CS2-fabric. Core intact w/ excellent recovery.

DDH 89G-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	51192	51219		1413	4D1317	8$9
	158.3	161.3				Similar to other gtzose units immediately up the hole. Thinly banded, dark medium grey, PS2-foliated, slightly dolomitic muscovite gtzite. S2 surfaces patchily silvery from muscovite. Sulphides + magnetite as thin diffuse bands parallel S2. Py content 30%. Po << py. Estimated (Pb+Zn) = 10-11%. Cpy as splashy feature infillings at high angle to S2. Could readily be considered an altered and veined phyllite. Core intact w/ excellent recovery.
	51219	51312		1414	4A101	
	161.3	162.2				Hard, dark grey, CS2-foliated gtzite. S2 surfaces sooty black and strongly mark fingers. Ribbon-banding w/ gtz-py-sphal about 20% of unit. Py content 5%. Estimated grade from fine-reddish sphalerite 1-2% (Pb+Zn). Py associated w/ white ribbon-gtz. Core slightly broken, chippy. Recovery excellent.
	51312	51319		1415	4D1318	$7 (4C$7)(5A61$) 70:25:05 [4L1248$7 (5A61$)]
	162.2	164.4				Similar to previous units. Moderately hard, thinly banded, slightly dolomitic, pyritic, muscovite gtzite to muscovite-gtz siliceous phyllite. Py associated w/ magnetite, sphalerite, galena in thin diffuse bands parallel S2. Dolomite disseminated in matrix and as subangular clasts. Pyrite content generally 40%. Estimated grade 8-9% (Pb+Zn). One 50cm interval is hard, only slightly pyritic muscovite-gtz phyllite. Near EOI have 25cm interband of 5A (next unit) — due to folding. Core intact — recovery excellent. Overall appearance makes strong case for silicified and bleached host phyllite as original rock for this unit. Alterations presumably related to hydrothermal activity.

DDH B96-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	151394	151520		1416	5A161	±1 ± 0 (5D6 ±0) MINOR [5B26 ±1±0]
	161.4	168.2				Moderately soft to moderately hard, dark grey, noncalcareous, PS2-foliated phyllite. Contains one short interval which is calcareous and CS2-foliated. S2 surfaces are dark steely grey and do not strongly mark fingers. Minor irregular stringers of po generally elongate parallel S2. Contains 1-2cm bands of pale olive green, soft, homogeneous, locally calcareous phyllite. Marginal contacts between the two units are sharp parallel S1. Upper contact of entire interval is sharp. Core slightly broken w/ good recovery.
	151520	151815		1417	5A101	MINOR
	168.2	177.2				Moderately hard, very dark grey, calcareous, CS2-foliated phyllite. S2 surfaces dark steely grey to black and locally strongly mark fingers. Minor small rounded black chert nodules noted. CS2-fabric defined by medium dark grey gtz-calcite siltstone bands and laminae. Irregular stringers po elongate in S2. Locally po "holey" because of weathering out of carbonate. Core mod. broken w/ good recovery.
	151815	161025		1418	5B1216	"CALC-SILICATE" (5D4$) TRACE
	177.2	183.6				Moderately soft, noncalcareous, PS2-foliated, dark grey phyllite. S2 surfaces are dark steely grey and do not mark fingers. Thinly banded w/ dark grey, slightly coarser gtz-rich siltstone bands up to 5cm thick. Silty bands have disseminated dark green actinolite (?) Very minor thin interbands of beige-olive, soft, homogeneous, slightly dolomitic chlorite-muscovite phyllite. These are only up to 2cm thick. Core mod broken w/ good recovery. Minor small po stringers parallel S2

DDH 89G-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	161025	161105		1419	51B1216	GOUGE
	183.6	186.1				Moderately soft, PS2-foliated, noncalcareous, dark grey phyllite. S2 surfaces steely grey and do not strongly mark fingers. No compositional banding readily visible. Core very gouged and rubbly. Recovery about 95% Upper contact of gouge parallel S2 = 60/000 lower contact steeper than S2. 35/000 wit S2 Probably not major fault because similar unit on each side
	161105	162100		1510	51B1216	
	186.1	189				Moderately soft, dark grey, noncalcareous, PS2-foliated phyllite. Vaguely banded in shades of dark grey. S2 surfaces steely grey and do not mark fingers strongly Minor Kinks pp stringers parallel S2. Core mod. to slightly brken w/ good recovery.
	162100	161660		1511	51A6111	
	189	203				Moderately hard, dark grey to black, PS2-foliated, noncalcareous phyllite. Minor thin compositional banding noted w/ slightly lighter grey grease siltstone bands. Minor scattered, black, subrounded "cherty" nodules. S2 surfaces are sooty black and mark the fingers.
						TOI - 656 Core very gokan chippy w/ small rubbly intervals — recovery OK
						656 - 657 very brken & rubbly — recovery OK
						657 - 660 very brken — only 1' core recovered
						660 - 664.5 very gokan chippy w/ 40% gouge Recovery OK
						664.5 - EOI very gokan chippy Recovery OK

DDH 89G-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 4/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	161616 0	161815		1512	5IB1216	
	203	207.7				Same as Unit # 50 (610.5-620) Soft, medium dark grey, PS2-foliated, noncalcareous phyllite. S2 surfaces dark silvery grey. Vaguely poorly defined compositional banding in shades of grey.
						Core very poker chippy. Small gouge intervals about 5-10 cm thick.
						Recovery looks OK. About 5-10% gouge.
	161815	161819 5		1513	5IA1611	
	207.7	210.2				Moderately hard to hard, black, PS2-foliated, noncalcareous phyllite. Thinly banded w/ streaky white qtz parallel S2. S2 surfaces shiny black and strongly mark fingers. Core very broken and rubbly w/ about 30% gouges in 5-10 cm intervals. Recovery looks good.
	161819 5	171019 0		1514	5IA	GOUGE DOAL LAKE FAULT
	210.2	216.1				Dark grey, locally calcareous, mud gouge. Contains clasts/fragments of vein qtz, vein calcite, SD4 — pale buff altered chloritic phyllite. Recovery looks good.
						Upper contact looks parallel S2 in rubble // lower contact 54/000 w/r/t S2 — looks slightly steeper than S2.
	171019 0	171170		1515	31G1019	
	216.1	218.5				Moderately soft, PS2-foliated, medium dark grey, noncalcareous phyllite. Thinly banded w/ 1-3 cm thick slightly coarser grained qtz poor intervals. Overall unit has a spotted/streaked appearance — a silky appearance. S2 surfaces are silvery medium grey. Core slightly broken w/ good recovery.
						— EOH —

DDH 89-6-03 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: June 27/89 Logged By: A. Reznik

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	
	15.1	14.96	C S 2	S		313 0100	613	micaceous flts & compos banding // S_2
	26.4	18.65	P S 2	-		T ⊓	614	" " " " "
	30.2	19.90	P S 2	-		T ⊓	617	" " " " "
	43.9	14.40	C S 2	S		217 3137	518	micaceous flts & compos banding defines S_2
	53.3	17.50	C S 2	S		218 0100	711	" " " "
	58.8	19.30	C S 2	S		216 0100	713	" " " "
	63.5	20.83	C S 2	M		012 T T	719	" " " "
	70.9	23.25	C S 2	S		217 3121	714	micaceous flts & compositional banding
	75.4	24.75	C S 2	S		214 0100	810	micaceous flts present; fold hinge present; compositional banding
	79.2	26.00	C S 2	S		310 3134	815	compos. laminal banding & micaceous foliations present
	86.3	28.30	P S 2	-		⊓ ⊓	612	S_2 defined by Py & S°'s
	92.4	30.30	P S 2	-		T T	813	" " " " "
	95.1	31.20	P S 2	-		T ⊓	411	" " " " "
	100.6	33.10	C S 2	S		414 2510	618	S_2 def'nd by Py & S°'s & fold hinge present nearby.
	108.5	35.56	P S 2	-		T ⊓	717	S_2 DEFINED BY PYRITE BANDING
	110.3	36.12	P S 2	-		T T	619	" "
	118.3	38.8	C S 2	S		212 0100	618	DEFINED BY MICACEOUS FOLIATION & COMPOSITIONAL BANDING
	124.4	40.8	C S 2	M		019 3013	616	" SURFACE " , CRENULATION CLEAVAGE ON S2
	124.9	40.8	I S 2					FOLD HINGE 408
	131.4	43.1	C S 2	-		018 2710	719	DEFINED BY MICACEOUS FOLIATION AND COMPOSITIONAL BANDING
	135.3	44.4	C S 2	-		117 0100	814	COMPOSITIONAL LAYERING DEFINED BY CHLORITE LAMINAE AND SILTSTONE BANDING
	140.5	46.11	P S 2			T T	518	DEFINED BY PYRITE BANDING
	147.8	48.5	C S 2	S		212 0100	619	MICACEOUS FOLIATION AND PYRITE BANDING
	150.1	49.5	C S 2	-		110 0100	614	MICACEOUS FOLIATION AND COMPOSITIONAL LAYERING DEFINED BY SILTSTONE BANDS
	156.4	51.3	C S 2	M		115 0100	615	" " "
			I S 2					Fold Hinge 513
	165.2	54.2	C S 2	-		019 2912	711	" "
			I S 2					FOLD HINGE 542
	168.6	55.3	C S 2	Z		210 1810	618	" "
	172.2	56.5	C S 2	Z		210 1810	715	" "
	182.0	59.7	P S 2	-		T T	416	micaceous flts & comp. banding (siltstone)
	187.1	61.4	P S 2	-		T T	814	" "
	191.4	62.8	C S 2	S		019 3417	518	S_2 DEFINED BY PYRITE BANDING
	196.9	64.6	P S 2			T T	717	MICACEOUS, CARBONACEOUS FOLIATION & PYRITE BANDING
	204.5	67.1	P S 2			T ⊓	515	MICACEOUS FOLIATION
	207	67.9	P S 2			T ⊓	610	" "

KERBER

DDH 89-G-03 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: JULY 2 Logged By: T. KERBER

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	
		7,1,2	P,S,2			+	6,0	MICACEOUS & CHLORITIC BANDING DEFINES S2
		2,1,7,0						EOH

DDH 89G-03 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date ____ Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 0 14	16 83 20	22 — 0 — 26	28 3 30	32 — 34	36 WASTE 40	42
	12713 5	12718 7	41751 7	1 5	1.5 1 5	41LE118	
	12718 7	12813 0	41751 8	1 4	1.3 1 4	41LE118	
	12813 0	12818 4	41751 9	1 5	1.6 1 5	41E81±16	slightly porous
	12818 4	12917 8	41761 0	1 3	1.0 1 3	41E81±16	slightly porous
	12917 8	12916 9	41761 1	1 5	1.2 1 4	41A101	
	12916 9	13010 7	41761 2	1 3	1.1 1 3	41A101	
	13010 7	13017 1	41761 3	1 6	1.9 1 6	41E$1±18	
	13017 1	13110 8	41761 4	1 3	1.0 1 3	41C101	
	13110 8	13114 8	41761 5	1 4	1.2 1 4	41E81$16	slightly porous
	13114 8	13119 0	41761 6	1 4	1.3 1 4	41E81$16	slightly porous
	13119 0	13212 5	41761 7	1 3	1.1 1 3	41A101	
	13212 5	13216 2	41761 8	1 3	1.1 1 3	41A101	
	13216 2	13310 3	41761 9	1 4	1.2 1 4	41A101	slightly porous on fractures
	13310 3	13314 0	41771 0	1 3	1.0 1 3	41A101	
	13314 0	13317 5	41771 1	1 3	1.1 1 3	41E101$1	
	13317 5	13412 0	41771 2	1 4	1.1 1 3	41LE$1	
	13412 0	13416 7	41771 3	1 4	1.1 1 3	41LE$1	
	13416 7	13510 0	41771 4	1 3	1.0 1 3	41E$1	
	13510 0	13514 1	41771 5	1 4	1.1 1 3	41E$181	slightly porous
	13514 1	13517 0	41771 6	1 2	0.9 1 2	41E$181	slightly porous
	13517 0	13610 0	41771 7	1 3	0.9 1 3	5D1641	
	13610 0	13614 5	41771 8	1 4	1.4 1 4	41K$1	
	13614 5	13619 2	41771 9	1 4	1.4 1 4	41E$1	BXA
	13619 2	13712 0	41781 0	1 2	0.8 1 2	41E$1	BXA + Gouge
	13712 0	13715 5	41781 1	1 3	1.1 1 3	41K$1114	
	13715 5	13717 8	41781 2	1 2	0.7 1 2	41E$181	
	13717 8	13813 0	41781 3	1 5	1.6 1 5	41CDE1	
→	11116.7	1323	T O P	15.6 T		WASTE	
	13132 14 3140	13133 14 3186	41781 4	1 4	1.3 1 4	41CD1	
	14318 2	13412 14 5120	41781 5	1 3	1.1 1 3	41CD1	
	14412 0	13616 14 6101	41781 6	1 4	1.2 1 4	41E#1±14	(5C)
	14416 1	13710 14 7135	41781 7	1 4	1.3 1 4	41C151	
	14510 5	13813 14 8100	41781 8	1 2	0.8 1 2	41E1101	missing?
	14513 0	13917 14 9170	41781 9	1 4	1.2 1 4	41LI1214	
	14517 0	14017 14 0177	41791 0	1 4	1.4 1 4	41LI1214	
	14617	14218 14 2187	41791 1	1 7	0.8 1 7	41D3141	(5A)

DDH 89G-03 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date ____ Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	141.68	141.712	411792	1.25	.812	5IA$191	
	141.712	141.750	411793	1.38	1.113	4IL1171	
	141.750	141.810	411794	1.50	1.550	5IA/14IL	
	141.463	151.5	— " —	15.2	—	WASTE	
	149.175	150.120	411795	1.48	1.548	4ID3141$	
	150.120	150.170	411796	1.50	1.550	4ID3141$	
	150.170	151.123	411797	1.53	1.653	4ID3141$	
	151.123	151.158	411798	1.35	1.135	4ID$IA1	
	151.158	151.192	411799	1.34	1.034	4IAID1$1	
	151.192	151.214	411810	1.52	1.652	4ID31417	
	151.214	151.219	411851	1.48	1.548	4ID31417	
	151.219	151.312	411852	1.28	0.828	4IA101	
	151.312	151.394	411853	1.74	2.274	4ID3181$	
	164.4	218.5	— " —	54.1	—	WASTE	

C.R.I. 1987 E-5

PROJECT DDH 89-63 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 4

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.	depth	length
46	1.53	1.5	.5	0	0		6		D						1		14.0	.5
53	7	7	2.1	2.15	.7		6		E						2		16.2	2.1
56	3	2.15	.7	0.4	.12		6		E						0		17.1	.9
58	2	1.7	.5	0	0		6		D						2		17.7	.6
63	5	3	.9	0	0		6		D						1		19.2	1.5
67	4	0.1	.03	0	0		6		D						0		20.4	1.2
73	6	1.4	.4	0	0		6		D						2		22.3	1.8
81.5	8.5	3.1	.9	0	0		6		D						1		24.8	2.6
84.5	3	1.9	.6	0	0		6		E						1		25.8	.9
88.5	4	2.7	.8	0	0		6		D						1		26.9	27.0 1.2
92	3.5	2.5	.8	0	0		6		D						3		28.0	28.0 1.1
93.5	1.5	1.2	.4	0	0		6		D						2		28.5	28.5 .4
102	8.5	8.5	2.6	2.45	.7		7		E						5		31.1	31.1 2.6
109.5	7.5	4.1	1.2	0	0		6		D						2		33.4	33.4 MRM 2.3
114	4.5	2.6	.8	0	0		6		E						4		34.7	34.7 1.4
118.5	4.5	0.2	.1	0	0		6		E						0		36.1	36.1 1.4
120	1.5	0.6	.2	0	0		6		E						1		36.6	36.6 .5
127	7	2	.6	0	0		6		E						2		38.7	38.7 2.1
131	4	2.9	.9	0.8	.2		6		E						3		40.0	39.9 1.2
137	6	1.1	.3	0	0		6		E						1		41.8	41.8 1.8
143	6	4.7	1.4	0.95	.3		6		E						4		43.6	43.6 1.8
153.5	10.5	3	.9	0	0		6		E						1		47	46.8 3.2
156.5	3	2.4	.7	0.35	.11		6		E						2		47.7	47.7 .9
161	4.5	3.7	1.1	0.4	.12		6		E						1		49.1	49.1 1.4
173	12	1	.3	0.5	.2		6		E						2		52.7	52.7 3.7
177	4	3.6	1.1	0	0		6		E						0		54	54 1.2
185	8	7.1	2.2	3.2	.9		8		E						4		56.3	56.4 2.4
195.5	10.5	9.7	3.0	2.8	.9		8		F						3		59.6	59.6 3.2

Fig. 1. Typical rock mechanics core log.

PROJECT DDH 89-63 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 4

LOGGER IVAN & AUDREY 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		depth COMMENTS	length
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.		
205	9.5	9.5	2.9	0.35	.1		7		F						2		62.5	2.9
215	10	9.9	3.0	1.05	.3		8		F						5		65.5	3
225	10	10	3.0	4.35	1.3		9		F						2		68.6	3
236	11	10.2	3.1	3.55	1.1		9		F						1		71.9	3.3
245	9	7.3	2.2	1.1	.3		8		F						3		74.7	2.7
255	10	9.75	3.0	5.1	1.6		9		E						4		77.7	3
264.5	9.5	9.5	2.9	1.8	.5		8		E						3		80.6	2.9
273.5	9.5	9.5	2.9	1.45	.4		8		E						4		83.4	2.9
283.5	10	10	3	3.9	1.2		7		F						9		86.4	3
293.5	10	10	3	1.8	.5		8		E						3		89.5	3
303	9.5	9.5	2.9	0.75	.2		7		E						6		92.4	2.9
313	10	10	3	3.55	1.1		8		E						8		95.4	3
317	4	4	1.2	1.45	.4		8		E						3		96.6	1.2
327	10	10	3	4.55	1.4		9		E						9		99.7	3
337	10	10	3	4.2	1.3		9		E						5		102.7	3
344	7	5.7	1.7	2.15	.7		7		F						5		104.8	2.1
351	7	5.8	1.8	2.1	.6		6		F						3		106.9	2.1
360	9	8.3	2.5	1.8	.5		5		F						7		109.7	2.7
370	10	9.45	2.9	4.2	1.3		8		E						4		112.8	3
377	7	7	2.1	1.9	.6		6		E						5		114.9	2.1
387	10	10	3	5.45	1.7		10		E						4		117.9	3
396	9	9	2.7	2.9	.9		7		F						4		120.7	2.7
405	9	8.7	2.7	5.6	1.7		9		E						4		123.4	2.7
415	10	10	3	6	1.8		9		F						3		126.5	3
418.5	3.5	3.2	1.0	1.25	.4		8		E						3		127.6	1.1
421.5	3	2.6	.8	1.9	.6		10		E						1		128.5	.9
431.5	10	10	3	6.9	2.1		9		F						6		131.5	3
441.5	10	10	3	6.4	1.9		8		E						3		134.6	3

GOUGE PRESENT

Fig. 1. Typical rock mechanics core log.

PROJECT DDH-89-G3. DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 4

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		depth COMMENTS	length
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.		
442.5	1	0.85	.3	0.5	.2		9		F						1		134.9	.3
452.5	10.	9.9	3	5.6	1.7		13		E						2		137.9	3
457	9	4.9	1.5	4.05	1.2		13		E						0		139.3	2.7
467	9	9	2.7	6.25	1.9		12		E						8		142.3	2.7
477	10	9.9	3.0	7.35	2.2		12		D						1		145.4	3
487	10	10	3	5.2	1.6		10		E						0		148.4	3
497	10	9.3	2.8	2.9	.9		10		E						2		151.5	3
507	10	9.8	3.0	7.9	2.4		13		E						2		154.5	3
517	10	9.8	3.0	8.3	2.5		13		E						0		157.6	3
527	10	10	3	8.75	2.7		13		E						1		160.6	3
537	10	9.7	3	6.35	1.9		13		E						2		163.7	3
547	10	10	3	6.05	1.8		10		E						2		166.7	3
557	10	9.8	3	4.1	1.2		10		E						1		169.8	3
567	10	9.8	3	7.9	2.4		10		E						0		172.8	3
577	10	9.9	3	5.25	1.6		9		E						1		175.9	3
587	10	10	3	3.5	1.1		9		E						2		178.9	3
597	10	10	3	2.65	.8		9		E						2		181.9	3
607	10	9.8	3	2.35	.7		7		E						2		185.0	3
609.5	2.5	2	.6	0	0		1		F						0		185.8	.8
617	7.5	7.4	2.3	3.35	1.0		8		E						0		188.1	2.3
627	10	10	3	0.75	.2		7		E						2		191.1	3
633	6	6	1.8	0.7	.2		7		E						1		192.9	1.8
637	4	2.8	.9	0	0		6		E						0		194.2	1.2
640	3	3	.9	0	0		6		E						1		195.1	.9
650	10	7.6	2.3	1.7	.5		7		E						1		198.1	3
657	7	7	2.1	0	0		6		E						2		200.2	2.1
660	3	1.1	.3	0	0		6		E						0		201.2	.9
664.5	4.5	4.1	1.2	0	0		5		F						0		202.5	1.4

GOUGE

Fig. 1. Typical rock mechanics core log.

PROJECT 89 G-03 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 4 of 4

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		depth COMMENTS	length
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.		
669.5	5	4.6	1.4	0	0		6		F						1		204.1	1.4
674	4.5	4.5	1.4	0	0		6		F						1		205.4	1.4
682	8	7.1	2.2	0.35	.1		6		F						1		207.9	2.2
687	5	5	1.5	0	0		6		F						0		209.4	1.5
690	3	2.5	.8	0	0		6		F						0		210.3	.8
694	4	3.2	1.0	0	0		1		F						0		211.5	1.0
698	4	3.6	1.1	0	0		6		F						0		212.7	1.1
707	9	8.7	2.7	0	0		1		E						1		215.5	2.6
717	10	8.7	2.7	2.7	.8		7		E						1		218.5	2.6

Fig. 1. Typical rock mechanics core log.

DDH 89G-03 (2 8 metres)

CURRAGH RESOURCES INC.

Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct		INTERNAL Dip Direct.		LOWER Dip Direct		Description
1	10 14	16 20	22 24	26	28 32		34 38		40 44		
	100	1128	NIP1								Triconed — no recovery
	1128	1140	3TIB	5							
	1140	1192	3TIB								
	1192	1243	3TIB	2							
	1243	1347	3TIB	9							
	1347	1387	3TIB	4							
	1387	1399	3TIB	6							
	1399	1418	3TIB	1							
	1418	1436	3TIB								
	1436	1466	3TIB	4							
	1466	1541	3TIB								
	1541	1544	1GF		215	01010					
	1544	1558	2B1								
	1558	1564	3B1R								
	1564	1599	2B1								
	1599	1625	T12B								
	1625	1719	2B1								
	1719	1747	G12B	7							
	1747	1831	2B1								
	1831	1834	G1								
	1834	1881	2B1								
	1881	1889	J12B				010	0101			
	1889	1917	X13B				010	0101			
	1917	1936	J11B				010	0101			
	1936	1947	J13B				010	0101			
	1947	1972	J12B								
	11018	11029	1B1								
	11029	11088	J1X1B				010	0101			
	11088	11097	3B1R								
	11097	11111	2B1								
	11111	11128	X12B								
	11128	11134	1G1				115	0101			
	11134	11145	3B1R								
	11167	11187	2B1								

DDH 896-63 (2 8 metres)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1/118 7	1/126 8	1B1					
	1/310 9	1/312 3	1B1					
	1/312 3	1/314 7	2B1					
	1/410 7	1/413 3	3TT1					
	1/416 3	1/418 4	2B1					
	1/161 3	1/612 2	1TT1					
	1/614 4	1/618 2	1B1					
	1/618 2	1/813 6	2B1					
	1/813 6	1/816 1	2GR		610 0100		315 0100	
	1/816 1	1/819 0	2B1					
	1/819 0	1/919 9	3T1					
	1/919 9	1/2010 2	3BR					
	1/2090 2	1/2091 2	3B1	3				
	1/2091 3	1/2101 2	5G13T					
	1/2101 2	1/2101 3	0 3TT1					
	1/2101 3	1/2101 7	7G13T					
	1/2101 7	1/2110 2	G13B					
	1/2110 2	1/2111 6	1 3G1				514 0100	DOM LAKE FAULT
	1/2111 6	1/2118 5	1B1					
								EOH = 218.5

89 G-04

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89 G-04

Reference Fabric Orientation Diagram:

Project: 1989 Grum Fill-in

Location: _____

Claim: _____

~~Terr.~~ UTM Plane Co-ords.: 6904425.283 N 5789.09 N

592603.287 E 2516.48 E

Grid Co-ords: 54 W / 35

Elevation: 1256.338

All symmetry determinations looking

Total Depth: 267 feet 81.4 m NW with 52 dipping

Inclination: -90° Vertical SW with dip azimuth _____.

Purpose: Test Champ zone mineralization

Reason hole Terminated: Drilled through Dash Lake Fault

Logged by: CV Reed

Date(s) Logged: July 4, 1989

Drilling Contractor: Arctic

Size	CORE From	To
NW	0	162
NQ	162	267

Collar Cased and Capped: No

Hole Cemented: No Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: June 30/89 Completed: July 1/89

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-04 (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	89G-04	0	-90.0	0.0	AT COLLAR
R	89G-04	254.0 (774)	-87.5	010 56.3 (538)	SPERRY SUN
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
		BEDROCK 158'

DDH 89-G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03

Date: July 4/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	14.8 4		1	#1	Overburden cream - tan IOATS Anvil Bath granite boulder
		14.7				fragments largest piece rec'd 11.0", Bottom 2" rec'd is
						cream - tan sandy till.
						Only 3.3' rec'd.
	14.8 4	16.7 0		2	#1	TRICONED - No RECOVERY - overburden till
	14.7	15.09				
	16.7	16.7 5		3	#1	
	15.09	15.11				Cream tan OIB sandy till
						0.6" rec'd
	16.7 5	17.2 3		4	15B16	$ Slightly Weathered.
	15.11	15.25				Mod soft, dominantly PS2 foliated, light grey to locally
						dark grey, muscovite phyllite. Contains dolomite in thin qtz-
						siltstone bands which generally are aligned // to S2 and
						locally define microlithons. S2 surfaces are dull light
						grey to locally dark grey. Contains local thin fractures
						infilled w dolomite. Zone is slightly weathered along
						fractures. No visible sulphides.
						TOI → 170.9 w broken 4.1' rec'd.
						170.9 → EOI rubble, local incipient gouge along
						fractures → not significant fault 1.2' rec'd.
	17.2 3	17.4 3		5	5D14#	
	15.25	15.31				Mod soft, pale green + tan striped, altered chloritic phyllite.
						Contains abundant calcite in thin tan-white bands generally

DDH 89G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 04

Date: JULY 4/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						< 1/2 cm thick aligned // to Sa. Sz surfaces are pale light green-grey. Contains abundant thin fractures infilled w/ qtz ± calcite ± dolomite.
						Core is m broken, very gouged. Margins with medium grey, phyllite sharp // to Sa.
	1 1 7 1 4 3	1 2 1 0 1 0 7		1 16	5 B 1 0 2	± $ (5D4#) minor.
	1 5 3 1	1 6 1 2				Dominate unit is generally PSz foliated, local CSz fabric, mod soft medium to dark grey, mod carbonaceous phyllite. Sz surfaces are medium to locally dark steel grey. Overall unit is darker than average SB. Contain abundant light grey qtz + calcite ± dolomite bands which are generally < 3mm thick and dominately define Sz. Locally, thin qtz + calcite ± dol laminations define microlithons. Centered at 180.5 is 5" thick pale green + tan striped, calcareous altered chloritic phyllite. Margins of band are sharp // to Sa.
						TOI - 177.0 v broken, local incipient gouge along thin fracture 6" core loss.
						177.0 - 194.5 m broken, very gouged.
						194.5 - EOI rubble only 3.7' rec'd.
						Button contact against core may be faulted - core recovery too poor to tell.
	1 2 1 0 1 0 7	1 2 1 0 1 3 6		1 17	1 4 1 0 1 0	1 microveins/laminations (4A0) 70:30
	1 6 1 2	1 6 2 1				v hard, highly fractured, poorly banded pyritic qtzite. TOI - 201.7 banding is thin, poorly defined by

DDH B.G.G-0.4. (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Page 05

Date: July 4/89 Logged By: C.R.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						as slightly > sph + gal. Sulphides have largely been remobilized into thin late sleep fractures. Contains local thin micaceous foliations defining S_2 - core tends to break along these foliations. Remaining unit loses sph + gal bands and increases in thin black carbonaceous foliat. S_2 surfaces are dark grey + mark fingers. S^1 banding is ± 15% of 4A volume and is dominately P_3.
						Est % Pb + Zn in this interval 4-6%
						Est % P_3 20-30%
						Core is ± broken, recov. O.K.
	121036	121070		1018	15A11	± 8 minor (5D4*) 80:20
	621	631				FOI → 205.2 is m hard, black, thinly PS2 laminated, siliceous carbonaceous phyllite. S_2 surfaces are carbon black and strongly mark fingers. Contains abundant ū fine qtz rich laminations aligned // to S_2. Laminations locally contain minor interstitial dol.
						205.2 → 205.9 is mod soft pale green + tan PS2 striped altered chloritic phyllite. Contains abundant thin calcite + qtz bands generally ≤ 1/2 cm thick defining S_2. Pale green chl laminations also define S_2. Margins of chloritic phyllite are sharp // to S_2.
						205.9 → EOI fragmental of 5A described above. Contact ū lower massive S^1 is highly fractured + brecciated. Contact likely faulted - recovery is poor.
						TOI → 205.9 ū broken + poker chipped, recov. O.K.

C.R.I. 1987 E-3A

DDH 89G-04

CURRAGH RESOURCES INC.

Lithologic Log

Page 06

Date: July 4/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						205.9 → EOT. SA Phyllite rubble, only 0.2' rec'd.
	12107 0	12111 6		1019	14E011	
	631	645				~ hard, homogeneous, brassy yellow, moderately siliceous, massive fine grained Py. No visible grade. Contains fine interstitial grey qtz. Est % qtz 10-15%. Contains local, highly fractured, small qtz vein fragments
						TOI → 210.3 rubble due to fracturing 1.9' rec'd.
						210.3 → 211.0 ~ broken 0.7' rec'd.
						211.0 → EOF rubble 0.6' rec'd.
	12111 6	12314 7		1110	14A10	± 9 trace.
	645	685				Dark grey → black, thinly PS_2 foliated, locally CS_2 foliated, ribbon banded carbonaceous qtzite. Ribbon banding generally <1 cm thick + defined by dominate Py + traces of Sph. Py locally remobilized into thin fractures. S2 surfaces are dark grey → black and mark fingers.
						Est % Py ≈ 15-20%
						Est % Pb + Zn 2-3%.
						Top contact against massive S= may be faulted Recovery to poor to tell. Bottom contact sharp, // to S_2
	12314 7	12318 3		111	15A16	± 5 minor ± 9 minor
	685	696				Mod soft, black, PS_2 foliated, carbonaceous phyllite. S_2 surfaces carbon black + mark fingers. Contains local qtz ± do/ bands // to S_2 ranging up to 1cm thick. Qtz

DDH 89-07-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 07

Date: July-4/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						rich bands contain local minor dist^n fine py
						Unit v broken - poker chippy - recovery O.K.
	12 12 18 3	12 13 14 9		1 12	15 B 10	±B ± 2 ± GOUGE
	696	716				Light grey to locally dark grey, PS2 foliated, locally
						moderately carbonaceous, massive phyllite. Contains local thin
						qtz ± dol siltstone bands generally < 3 mm thick aligned //
						to S2.
						TOJ → 228.7 - incipient light grey phyllite gouge
						margins // to S2. Recov O.K
						228.7 → 233.0 v broken + poker chippy 3.7' crowded out
						rec'd.
						233.0 → EOI rubble, local incipient gouge along
						fractures 1.1' rec'd
	12 B 14 9	12 13 17 0		1 13	15 A 16	± B. (4A0) 95 : 5.
	716	722				Mod^e soft, black, PS2 foliated, carbonaceous phyllite. S2
						surfaces carbon black + shinily marks fingers. Core breaks
						easily along S2. Contains local thin qtz ± dol bands aligned
						// to S2. Largest intact piece 3" long
						Core is poker chippy, recov O.K.
						236.7 → 237.0 is v hard, dark grey → black thinly
						ribbon banded, barren, carbonaceous qtzite same as unit
						# 10. Top margin w phyllite is sharp // to S2
						Bottom margin w semi-massive S^ is sharp. // to S2.

C.R.I. 1987 E-3A

DDH 89G-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 08

Date: JULY 4/89 Logged By: CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12317 0	12410 1		114	14E10	± 1 (4C33 ?) 50:50
	722	732				TOI → 238.1 is v homogeneous brassy yellow, v hard, barren, locally moderately siliceous, massive pyritic s=, contains local concentrations of fine interstitial grey qtz.
						238.1 → EOI - Thinly PS2 banded, v hard, pyritic qtzite. Contains abundant interstitial tan-white dolomite in thin qtz rich bands 1% to S2 Sulphide bands range up to 3cm thick and contain dominate py + minor sph + sal. Local thin bands reel-brown sph > py. Top contact w massive s= is brecciated w several large tightly fractured tan-white dol clasts ranging up to 5cm ø "floating" in massive fine grained py.
						Core is mod broken along steep fracture.
						Est Py+Zn entire unit 2-4%.
						Recy Good.
	R1410 1	12516 0		115	15AV*	GOUGE DOAL LAKE FAULT
	732	780				v soft, calcareous/dolomitic dark grey → black, muddy to locally flaky v carbonaceous gouge. Locally, S2 cleavage is preserved
						240.1' → 248.0' gouge, 1' core loss.
						248.0' → 252.0' gouge recy good
						252.0' → EOI gouge only 2.6' rec'd.
	12516 0	12519 0		116	14L	* GOUGE. [5D4*]? GOUGE.
	780	789				White w slight green tinge, calcareous/dolomitic mud gouge. May be altered + gouged chloritic phyllite

DDH 89-06-04
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 09

Date: JULY 4/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						bottom shear contact 48° to core axis
						Core is sousse. 2.0' rec'd.
	12159 0	12167 0		17	15104	8 - highly fractured - locally gouged. ± 9 m. run
	789	810				Buff tan w green tinge, highly altered, soft, dolomitic
						chloritic phyllite. Sz surfaces are light grey → green and locally
						have white "talcose" coatings. Unit is locally sousse along
						thin fractures related to the Doal Lake fault. contains
						local minor qtz + fine py stringers aligned // to Sz.
						Abundant clot occurs throughout in thin grey-tan bands
						// to Sz.
						TOI - 259.5 m broken, recov. 0.K
						259.5 - 263.5 m broken, local thin gouge along fractures
						2.4' spread out rec'd.
						263.5 → EOI rubble, 3.6' rec'd.
						EOH

C.R.I. 1987 E-3A

DDH 89-6-04 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: JULY 2 Logged By: T. KERBER

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	
	549	580	PS2	-		+	65	MICACEOUS FOLIATION DEFINES S2
	561	584	CS2			14 345	80	CHLORITIC BANDS DEFINE S2 COMPOSITIONAL BANDING DEFINES S1
	660	718	PS2			+	88	S2 DEFINED BY MICACEOUS FOLIATION AND PYRITIC BANDING
	679	723	PS2			+	84	" "
	728	739	PS2			T	71	PYRITIC BANDING DEFINES S2
	798	762	PS2			+	66	CHLORITIC FOLIATION AND PYRITE BANDING

DDH 89G-04 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date JULY 4/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 … 04	16 … 20	22 … 26	28 … 30	32 … 34	36 WASTE 40	42
	12106127	12106260	411854	129	.7 23	HDA	
	121036	121063 10	411855	134	.6 20	SA1	± 8 minor (514*)
	121070	121115 6	411856	146	.6 20	4E01	
	121116	121165 80	411857	144	1.3 44	4A01	
	121160	121206 72	411858	146	1.1 37	4A01	
	121206	121246 57	411859	141	1.3 41	4A01	
→	16095	172.2	— 0 —	37	—	WASTE	
	121372 0	121386 72 71	411860	116	.5 16	4E01	± 1 ± 8
	121386	121410 73 12	411861	115	.4 15	4C313	8
→	17312	19110	— 0 —	178	—	WASTE	
		EOH					

C.R.I. 1987 E-5

PROJECT 89G-04 DRILLHOLE NO. _____ COORDINATES: N _____ DATE July 2 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 1

LOGGER DORIN/Kerber 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		depth (m) COMMENTS	length (m)
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.		
47		1.8	.5	0.4	.1		6		E						1		14.3	
167	120	1.2	.4	0.35	.1		7		D						0		50.9	36.6
169	2	2	.6	0	0		7		E						1		51.5	.6
175.5	6.5	6.5	2.0	0	0		7		E						1		53.5	2.0
185	9.5	8.5	2.6	1.1	.3		7		E						2		56.4	2.9
195	10	10	3	0.75	.2		7		E						3		59.4	3
203	8	4.9	1.5	0	0		6		E						1		61.9	2.4
208	5	4.3	1.3	0	0		6		E						1		63.4	1.5
211	3	1.5	.4	0	0		6		E						0		64.3	0.9
217	6	5.8	1.8	0.35	.1		7		E						3		66.1	1.8
226.5	9.5	9.5	2.9	0	0		7		E						1		69.0	2.9
231	4.5	4.5	1.4	0	0		6		F						0		70.4	1.4
237	6	6	1.8	0	0		6		F						0		72.2	1.8
241	4	3.8	1.2	1.25	.4		8		E						2		73.4	1.2
248	7	6	1.8	0	0		1		F						0		75.6	2.1
252	4	3.1	.9	0	0		1		F						0		76.8	1.2
256	4	2.3	.7	0	0		1		F						0		78.0	1.2
258.5	2.5	1.8	.5	0	0		1		F						0		78.8	0.8
263.5	5	3.9	1.2	0	0		6		F						0		80.3	1.5
267	3.5	3.5	1.1	0	0		6		F						1		81.4	1.1

Fig. 1. Typical rock mechanics core log.

DDH 89G-04 (2 8 metres)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Sept/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct.	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	100	1419 4	NIP					Tricone - no recovery
	1512 1	1512 5	TR/G					
	1512 5	1513 1	2IB					
	1513 1	1513 9	3IB					
	1513 9	1519 3	2IB					
	1519 3	161 2	R	5				
	161 2	1612 1	3IB					
	1612 1	1612 8	3IBT					
	1612 8	1613 1	X3IR	2				
	1613 1	1614 1	JR	6				
	1614 1	1614 3	2IB					
	1614 3	1614 5	R					
	1685	1696	3IBT					
	1696	1697	1G					
	1697	1710	3IBT	8				
	1710	1716	JR					
	1716	1722	T					
	1722	1732	J2G					
	1732	1768	3IG					Dan Lake Fault
	1768	1780	3IG	6				" " "
	1780	1789	3IG	6			418 000	" " "
	1789	1791	2IB					
	1791	1810	G3IB	6				
	1810	1810	R					
								EOH = 81.0

NAME
NOM

89 G-05

No.

OFFICE SUPPLIES

ELLIOT STREET, WHITEHORSE, YUKON YIA 1Z9
L: (403) 668-4788
K: (403) 668-7283

R 611

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-05

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

UTM ~~Terr.~~ Plane Co-ords.: 6904404.523 N 5788.63 N

592585.072 E 2488.85 E

Grid Co-ords: 54W / 4S

Elevation: 1251.980

All symmetry determinations looking

Total Depth: 223 feet 68.0 m.

_____ with _____ dipping

Inclination: -90° VERTICAL

_____ with dip azimuth _____.

Purpose: CHAMP ZONE TEST

Reason hole Terminated: DRILLED THROUGH ORE

Logged by: CV REED

Date(s) Logged: July 5, 1989

Drilling Contractor: ARCTIC

	Size	CORE From	To
	NW	0	160
	NQ	160	223

Hole Cemented: No Steel down Hole: No

Collar Cased and Capped: No

Assay Lab: _____

Certificate No's: _____

Started: July 2/89 Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-05

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		0	-90.0	0.0	AT COLLAR
R		2040	-87.5	036.10	SPERRY SUN
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 BAG-05

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 5/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
	10 0	13 16 3		1	FF	TRIGGED - NO RECOVERY
		11 16				
	13 16 3			2		Redrilled interval - tan weathered O/B Anvil batholith
	11 16					granitic fragments. Local minor mod-clay & FI rec'd
						Largest granite fragment 4" long
		16 14 2		3	41D10	±4 I 8 minor ± 5 minor
		500				V hard, PSZ S= banded, moderately pyritic gtzite.
						Banding generally ½ cm thick - defined by dominate Py ± sph +
						gal. Locally, red-brown sph > py. S= bands are 50-
						60% of rock volume contains local minor thin tan dol-
						"clasts" aligned // to S2. Contains local minor thin
						black carbonaceous folia also defining S2.
						Est. Pb+Zn ranges from 4-12%. Dominately Sph.
						TOI - 160.2 S broken, very good
						160.2 - 161.2 V broken along steep fracture - very good.
						161.2 - EOI S broken, very good.
	16 14 2	16 17 4		4	41G10	±$ V I ≤ (4D4) Trace (4L0) Trace.
	500	510				Dominate unit is yellow - tan, homogeneous, locally
						mod- dolomitic massive pyritic/baritic sulphide/sulphate. Contains
						interstitial Ba + Red - brown sph. Locally, slightly
						porous due to weathered carbonate. Dolomite occurs
						diss- in local streaks and in small clasts near
						EOI.
						At 167.0 thin 1" band of white "talcose" altered

DDH 89G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 5/89 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	✓					massive phyllite. Margin // to S_2. NT 167.2, thin 3" band of red-brown sphalerite banding pyritic gtz-ite. Margins // to S_2
						Est Pb+Zn entire interval 6-8%, core ~ broken, recy O.K.
	116174	116188		5	14140	
	5100	5115				soft, "talcose", white-grey, PS_2 foliated, altered musc phyllite. S_2 surface are dull white-grey & have abundant white powder coatings. Margins of 4L // to S_2
						Core ~ broken along S_2. Recy O.K.
	116188	117155		16	14A14	
	5116	5135				Dark grey, ~ hard, ribbon banded carbonaceous gtz-ite S^c banding generally < 1cm thick and defines S_2. Est volume of bands 20-25%. Bands defined by subequal gtz + py and lesser Sph ± lesser Gal. Locally, in some bands, red-brown sph > py. Sulphides also have been remobilized into abundant ~ fine fractures. S_2 surfaces dull dark grey to black & mark fingers.
						Est Pb+Zn varies from 5-10%. Sph >> Gal.
						Top 8" of unit contains abundant thin micaceous foliations.
						702 - 169.8 rubble due to fractures, recy O.K.
						169.8 - 172.8 ~ broken, recy good.
						172.8 - EOI ~ broken along fractures, recy good.

DDH 89G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 05

Date: JULY 5/89 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1175	1177		17	14L214	"stringered"
	1535	1541				soft, crumbly, "talcose" white-grey, highly altered musc phyllite. S2 surfaces have abundant "talc" coatings.
						Unit is highly fractured and contains abundant thin stringers of Py + Sph. Est % S= 8-10% dominately Py.
						Margins of phyllite // to S2 - Does not appear to
						be a fault.
						Core is rubble, 1.4' spread out rec'd.
	1177	1186		18	14E$	± 4 ± 6 minor ± 8 minor t Porous. (4L0) trace.
	1541	1568				Brass yellow - brown, dolomitic, locally high grade, locally
						slightly baritic, massive pyritic S=. Dolomite occurs in
						broad feathery bands // to S2 - up to 10 cm thick
						and locally in large, irregular highly fractured white -
						tan "clasts" "floating" in sulphides. "Clasts" range up to
						5cm thick. Clasts locally contain fine grey g/z. Contains
						local thin red-brown bands dominately near TOI
						where Sph > Py.
						Unit is locally porous due to weathered carbonate.
						In Bottom 5' of unit, magnetite occurs locally in
						thin beaded streaks aligned // to S2.
						Est Pb+Zn ranges from 2 - 10%. Overall, ± 6%.
						TOI → 178.0 ± broken along fractures, recy 0.K
						178.0 → 179.4 J broken, recy 0.K.
						179.4 → 179.6 thin white tan altered musc phyllite
						band. Margins // to S2. Core rubble, recy Good.

C.R.I. 1987 E-3A

DDH BGC-05 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Page 06

Date: JULY 5/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						179.6 - 182.5 m broken, very good
						182.5 - 184.0 ī broken along fractures, very good.
						184.0 - 185.5 m broken, very good.
						185.5 - EOT rubble - spread out, very O.K.
	1863	1913 0		19	4AP	±4 minor ± 9 trace.
	5688	5899				ī hard, dark grey → black, dominately PS2 foliated, ribbon banded carbonaceous gtzite. Qtz-sulphide bands define S2 & range up to 4 cm thick. Bands defined by dominate Py m local minor concentrations of interstitial red-brown sph. Bands are 20-25% of rock volume. S2 surfaces dark grey → black, only slightly mark fingers. Est % Ph+Zn ranges from 2-6%. Core is locally vuggy along steep weathered out fractures. Contains local splashy cpy in thin fractures. TOI → 190.0' m broken, recy O.K. 190.0 → EOI ī broken along steep fractures. Recy O.K
	1913 0	2108 5		110	4A10	(4C3) minor (4L0) minor 98:2:2 fractured
	5899	6366				Black, ī hard, poorly banded, carbonaceous w/ hi pyrite gtzite. Qtz S2 bands are thin, volume developed, // to S2, and defined by dominate Py m local minor concentrations of interstitial red-brown sph. S2 bands are ± 10-12% of unit volume. S2 surfaces are carbon black & strongly mark fingers. Core locally vuggy along weathered fractures. Est % Ph+Zn 2-3% MAYBE!

C.R.I. 1987 E-3A

DDH 89G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 07

Date: July 5/89 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Centered at 204.5 is 5" band of soft white grey altered phyllite. Margins of band lost in rubble
						207.3 - EOI is v hard, highly thinly fractured, light grey pyritic qtzite. Contains only local minor spl in thin bands // to S_2 near EOI. Margins of qtzite lost in rubble. Fst 2% Py in 4C 30-40%
						TOI → 193.5 rubble 0.4' spread out rec'd.
						193.5 → 201.0 v broken along fractures 6.4' rec'd.
						201.0 → 205.5 v broken " " 2.9' rec'd.
						205.5 → EOI v broken " " 1.6' rec'd.
	12P185	12230			15A6	± 8 minor (4H0 1 minor) 98:2
	636	680				Mod soft to locally hard, black, locally siliceous, carbonaceous phyllite. S_2 surfaces dull carbon black or strongly mark fingers. Contains local minor qtz ± dol bands generally < 3mm thick aligned // to S_2. Contains only local minor Py infilling thin fractures. Contains local CS_2 foliation defined by thin qtz - dol microlithons.
						Centered at 208.9 is 6" band of homogeneous bronze massive Po. Contains minor interstitial qtz. Sph occurs in minor concentration in 1 thin 1/2 cm band // to S_2. Margins of Po sharp // to S_2.
						TOI - 218.2 v broken along S_2 1.5' core loss.
						218.2 - EOI v broken, local thin rubble + gouge 3.2' rec'd. Not a significant fault.
						EOH

C.R.I. 1987 E-3A

DDH 89-G-05 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page 1 of 1

Date: July 5/89 Logged By: T. Kerber

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	
		50.9 / 1614	AS12	-		T T	618	S_2 defined by Sph banding
		52.7 / 173	CS12	S		215 314	719	S_2 // to sph & Py banding
		57.3 / 188	AS12	-		T T	715	S_2 // to Py banding
		64.6 / 212	AS12	-		T T	82	S_2 // to thin Py bands & micaceous flt'n.
					E041			

C.R.I. 1987 E – 4

DDH 89-05 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR.

ASSAY LOG (SAMPLER'S COPY) Date JULY 5/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	11.16	11.50	41862		1.34	1410	
	11.64	11.67	41863	32	.82	1410	± 1 ± 1 (400) trace.
	11.67	11.68	41864	1	4.4	1410	
	11.68	11.71	41865	27	.82	1410	
	11.71	11.75	41866	40	1.24	1410	
	11.75	11.77	41867	20	.62	1410	"stringered"
	11.77	11.81	41868	41	1.24	1410	± 4
	11.81	11.83	41869	47	1.44	1410	± 4
	11.83	11.91	41870	43	1.34	1410	± 4 minor
	11.91	11.93	41871	24	.72	1410	± 4 minor
	11.93	11.97	41872	45	.93	1410	
	11.97	12.03	41873	55	1.03	1410	
	12.03	12.08	41874	55	.82	1410	
	16.35	16.80	—	45	—	WASTE	

PROJECT _____ DRILLHOLE NO. 896-05 COORDINATES: N _____ DATE _____ 19__

LOCATION GRUM HOLE SIZE _____ E _____ PAGE 1 of 1

LOGGER K. ROBERTS 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.	
11.3 37	37	0.6	.2	0			5		E						0		11.3
13.1 43	6	0.3	.1	0			5		E						0		1.8
14.3 47	4	0.5	.1	0			5		E						0		1.2
17.4 57	10	1.3	.4	0			5		E						0		3.0
50.4 165.5	108.5	6.7	2.0	2.15	.6		9		E						7		33.1
52.4 172	6.5	6.5	2.0	0			7		E						8		2.0
53.5 175.5	3.5	3.5	1.1	1.15	.3		7		E						2		1.1
54.3 178	2.5	2.5	.8	0			7		E						2		.8
57.0 187	9	9	2.7	2.2	.7		9		E						5		2.7
57.3 188	1	0.8	.2	0			7		E						1		.3
58.4 191.5	3.5	3.5	1.1	1.7	.5		9		E						2		1.1
59.0 193.5	2	2	.6	0			6		E						2		.6
61.3 201	7.5	5.8	1.7	0.4	.1		7		E						1		2.3
62.6 205.5	4.5	4.0	1.2	0			5		E						1		1.4
64.6 212	6.5	5.6	1.7	0			5		E						2		2.0
67.1 220	8.0	8.0	2.4	0			6		E						1		2.4
68.0 223	3.0	1.6	.5	0			5		E						0		.9
EOH																	

Fig. 1. Typical rock mechanics core log.

Quick Log

DDH 89G-05
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page ____ . ____

Date: JULY 3/89 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0	47.9 1157				O/B
	1157	50.1 1164				4DO ± 4
	1164	51.4 1608				4E ± 6 ± 4 (4L) trace.
	1608	53.5 1755				4AO ± 4
	1755	53.8 1765				4L
	1765	54.3 1780				4G4
	1780	56.8 1865				4E1 ± 8 ± 4 minor ± 8 minor.
	1865	57.4 1883				4C3
	1883	62.8 2060				4AO ± 4 minor
	2060	64.0 2100				4C33 (5A61) (4L) 80:20: trace.
	2110	69.5 2218				5A.
		FOH				

C.R.I. 1987 E-3A

DDH 89G-05 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct.	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	100	116	NP					Tricone - no recovery
	1418	1500	1B					
	1500	1515	3B					
	1515	1518	RJ					
	1518	1527	2B					
	1527	1535	J3B					
	1535	1541	R	7				
	1541	1543	J3B					
	1543	1547	1B					
	1547	1548	R					
	1548	1556	2B					
	1556	1561	J3B					
	1561	1565	2B					
	1565	1568	R					
	1568	1579	2B					
	1579	1588	J3B					
	1588	1636	J3B	5				
	1636	1665	3B	8				
	1665	1680	G3B	6				
								EOH = 68.0

89 G-06

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-06

Reference Fabric Orientation Diagram:

Project: GRUM SUMMER 1989

Location: GRUM DEPOSIT

Claim: _____

~~Terr~~.Plane Co-ords.: 6,904,423.778 N 5850.25 N

592,519.369 E 2458.94 E

Grid Co-ords: 56W / 55

Elevation: 1253.172

All symmetry determinations looking

Total Depth: 479(ft) 146.0m _____ with _____ dipping

Inclination: -90° VERTICAL _____ with dip azimuth _____.

Purpose: TEST CHAMP ZONE HORIZON

Reason hole Terminated: DRILLED THROUGH ORE — through Fault into SA

Logged by: CV REED

Date(s) Logged: July 5-6, 1989

Drilling Contractor: ARCTIC

Size	CORE From	To
NW	0	_____
NQ	_____	479
_____	_____	_____

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: July 3/89 Completed: July 5/89

Bedrock at 56 feet

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-06

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		00	-90.0	000.0	AT COLLAR
R		476.2	-88.0	111.58	SPERRY SUN
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 89G-106
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03

Date: Jul 5/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	100	162.0		11	1#	O/B f.11 pebbles & 10AB fragments. Largest piece recovered
		189				2" ϕ.
	162.0	181.5		12	15A1	± $
	189	248				Mod⁻ hard, black, dominantly PS_2 foliated, locally CS_2 foliated, carbonaceous phyllite. S_2 surfaces are shiny, carbon black + strongly mark fingers. Contains local minor subrounded ṽ hard black chert nodules. Nodules generally < 2 cm ϕ ṽ long axis aligned // to S_2. Contains abundant ṽ thin qtz ± dol bands + laminae which locally define microlithons. Unit is harder overall than average SAO. Core in broken along S_2, recy good.
						Bottom 4" of unit is mud gouge - not a significant fault.
	181.5	194.7		13	15B12	6 ± $
	248	289				Mod⁻ soft, CS_2 foliated, dark grey, noncalcareous, carbonaceous phyllite. S_2 surfaces dark steely grey. Unit approaches ṽ closely to SA except slightly less carbonaceous than above unit. Abundant thin qtz ± dol bands + laminations define S_1 + S_2 fabrics. S_3? foliation locally defined by re-orientation of micas X-cutting S_2. general orientation 000/30°.
						Some rusty weathering along fracture surfaces.
						Core mod⁻ broken, recy good.

C.R.I. 1987 E-3A

DDH 89-Cr-06
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 5/89 Logged By: CUR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	194 7	1108 0		4	15A1611	± $ minor (5D4*) trace.
	289	329				Mod⁻ soft to v locally hard, black, CS_2 foliated carbonaceous phyllite. S_2 surfaces shiny, black - weakly marks fingers. Unit is same as #2, except local lithon textures more strongly developed. Chert nodules are not seen. Unit is v locally mod⁻ hard due to abundant thin qtz ± dol laminae + bands. Bands generally < 3 mm thick aligned // to S_2 + define local lithons. Locally weathered along steep fractures.
						TOI → 98.6 ~ broken very good.
						98.6 → 101.4 ~ broken along steep fracture, very good.
						101.4 → EOI ~ broken, very good.
	1108 0	1140 3		5	15A10	
	329	428				Black, calcareous, mod⁻ soft. CS_2 foliated carbonaceous phyllite. S_2 surfaces dark grey to black + marks fingers. Contains local qtz + calcite ± dol bands // to S_2 and in thin local microlithons. Bands vary up to 2 cm thick. Local development of post-S_2 flow defined by crenulation of S_2-alignment of micas to form closely spaced crenulations cleavage. Chert nodules are absent. Contains minor fine py infilling local fractures.
						TOI - 114.5 Slightly broken - perfect recovery
						114.5 - 115.0 Very broken w/ local incipient gouge and fractures
						115.0 - EOI Mod. broken along S_2
						No faults

DDH 89G-06

CURRAGH RESOURCES INC.

Lithologic Log

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Date: July 5/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	114103	115126		16	15C4#	(5B20) 80:20
	428	465				Dominant unit is mod. soft to very soft, pale olive green & tan-grey striped, very calcareous, altered metabasite. Abundant thin pale green chlorite bands define S2. Calcite ubiquitous outside chlorite bands. May contain Fe-carbonates. S2 surfaces mottled pale green & light grey. Margins w/ phyllite are sharp, parallel S2.
						Intvl 147.1 – 149.2 is mod. to dk grey, moderately carbonaceous, calcareous, CS2-foliated phyllite. Contains thin light grey, fine qtz-calcite bands and laminae. Bands < 0.5 cm thick locally thin laminae define microlithons.
						Core slightly broken = recovery good
	115126	116170		17	15B102	(5C4#) 92:08
	465	509				Mod. soft, locally CS2-foliated, moderately carbonaceous, dark grey, calcareous phyllite. S2 surfaces range medium steel grey to locally black. Black folia only slightly mark fingers. Thin qtz-calcite siltstone bands define both S1 and S2. Bands generally < 0.5 cm thick. At 158.6 – 160.5 mod. soft, PS2-foliated, pale green & white-tan striped metabasite. Pale green bands defined by chlorite w/ local bright green "fuchsite" spots. Contains abundant calcite within the white-tan stripes. S2 surfaces are medium grey w/ abundant pale olive green chlorite clots. Margins w/ 5B are sharp parallel S2. Bottom contact of metabasite contains one large, highly fractured, qtz-calcite clast – likely part of a broken vein.
						TOI – 159.5 slightly broken w/ good recovery
						159.5 – 161.0 very broken on steep fracture w/ good recovery
						161.0 – EOI slightly broken w/ good recovery

DDH 89G-06 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

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Date: July 5/89 Logged By: HCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1167.0	1171.2		18	5IA101	
	509	522				Black, carbonaceous, calcareous, CS2-foliated phyllite. S2 surfaces dull black & strongly mark fingers. Abundant fine gtz-calcite laminae & bands defining S1 and S2. Locally gtz-calcite lithons contain fine disseminated py. Centred @ 170.0 is 1 inch thick black phyllite gouge w/ margins parallel S2. Core very broken — dominantly along S2. Core recovery good
L	1171.2	2131.0		19	5IA101±$	→ [5B220 ± $]
	522	704				Moderately carbonaceous to locally very carbonaceous, CS2-foliated, moderately soft, phyllite. Overall unit loses carbon gradually as go down DDH. Near TOI S2 surfaces carbon black & strongly mark fingers. At EOI S2 surfaces dark steel grey & only slightly mark fingers. Contains abundant thin local gtz-calcite lithons ± dolomite. Fine grained light grey gtz-cc ± dol. bands range up to 2cm thick and define S2. S3? foliation locally poorly developed over thin intervals — defined by closely spaced, poorly defined crenulation cleavage. Intvl 202.3-221.6 contains abundant white pegmatitic, foliaform gtz veins. Veins range in thickness from 2cm-30cm. Within this intvl veins make up 20% of unit volume. Margins of veins slightly brecciated w/ clasts of phyllite. Fractures in gtz veins contain med. green chlorite, minor fine py and po.
						TOI-175.5 Very broken recovery good
						175.5-179.8 Rubble w/ local minor gouge along fracture. Recovery OK
						179.8-182.0 Mod. broken - recovery good
						182.0-185.0 Very broken along steep fracture - recovery good
						185.0-192.7 Very broken along S2 - recovery good
						192.7-193.2 Soft black carbonaceous phyllite gouge. Only 0.6 feet recovered. Margins not recovered. Not a significant fault
						193.2-194.8 Very broken - recovery OK

C.R.I. 1987 E-3A

DDH 89G-06

CURRAGH RESOURCES INC.

Lithologic Log

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Date: July 5/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						194.8 - 197.2 Mod broken w/ good recovery
						197.2 - 199.5 Very broken on steep fracture - recovery good
						199.5 - EOI Mod. broken on S2 recovery good
	12311 0	12710 2		110	5B2120	± $
	704	823				Mod soft, dark grey, CS2 foliated, mod carbonaceous phyllite
						Unit is slightly lighter # 9 contains thin qtz ∓ calcite ±
						dolomite siltstone bands + laminae which define S1 & S2
						S2 surfaces are dark steel grey - only slightly mark
						fingers.
						Core in broken, (v broken near end runs) recov
						is good.
	12710 2	12717 9		111	5A10	± $
	823	847				Black, mod soft, CS2 foliated, carbonaceous phyllite. S2 surfaces
						carbon black - strongly marks fingers. Contains local thin light
						grey qtz ± calcite ± dolomite bands + laminae. Locally
						these laminae define lithons. Bottom 2" of unit is
						black, v soft, flaky gouge Contact w lower sulphides
						may be a fault. Contact is 15° to core axis along
						fracture. No orientation possible
						TOI - 275.5 m broken, recov good
						275.5 - 277.5 V broken " "
						277.5 → EOI Flaky gouge. " "

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CURRAGH RESOURCES INC.
Lithologic Log

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Date: JULY 5/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1217 7	1218 3		112	14E10	±4 ± $ ± Porous (4L24) 95:5
	847	869				Poorly banded, fine grained, locally porous, locally dolomitic, massive Py sulphide. Top 3.0' of unit contains abundant local highly fractured white-tan dolomite clasts ranging up to 3 cm long - elongate to S2. At 280.0 is highly fractured + brec'd 3" thick foliaform qtz + dol vein. Unit is locally porous due to weathering out of carbonate.
						Contains local concentrations of sph + gal in thin streaks and bands aligned // to S2. 290 - 292.5, sulphides are slightly brec'd. Clasts range up to 10 cm ø. Matrix is finer Py and >> sph + gal.
						Grade ranges from 2 - 10%. Overall grade ≈ 5%
						In bottom 1.5' of interval, band of mod soft PS2 foliated, altered grey-green musc > chl phyllite. Contains abundant thin bands + stringers of dominate fine Py + lesser Sph + Gal
						70I - 282.0 slightly broken, locally brecciated. Recy good.
						282.0 - 283.3 V broken along fracture. Recy good.
						283.3 - EOI m broken " " Recy good
	1218 15 3	1219 3 4		113	14E14 16	$ Porous ± 0 minor
	869	894				Well banded, porous, dolomitic, moderately barite / pyrite massive S=. Banding defined by local concentrations of sph, gal, ba. Dolomite occurs locally in broad bands interstitial to sulphides and in local white-tan "clasts" ranging

DDH 89G-06
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CURRAGH RESOURCES INC.
Lithologic Log

Date: Jul 5/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						up to 3 cm along long axis. Banding defines S2.
						Unit locally porous due to weathering of carbonate.
						Est Pb+Zn 8-10%, local TOI - 286.5 ± broken, recvy good. 286.5 → EOI
						most broken, recvy good.
						Magnetite occurs in v thin bleached black streaks // to S2.
	12 9 3 4	13 1 18 2		1 14	14 G 4 18	± 8
	89 4	97				Well banded, high grade, dolomitic, massive pyritic / baritic S=.
						Unit locally magnetic. Banding ranges from ½ cm to 2cm
						thick, // to S2 defined by abundant honey coloured sph + gal,
						variations in barite + dolomite content. Magnetite occurs
						in thin streak + locally in large "blebs" up to
						2 cm ϕ. Unit locally ± porous in thin dolomitic
						bands ranging up to 1cm thick // to S2.
						Est Pb+Zn 12-15%.
						Ba content ranges from 5-20%. Local tan
						weathering coatings on fracture surfaces.
						TOI → 307.0 ± broken, recvy good
						307.0 → 309.5 ± broken along steep fracture.
						309.5 → EOI ± broken, recvy good.
	13 1 18 2	13 3 6 4		1 15	14 A 10	± 9 trace (4CO) (5C4+) 90 : 10 ± Trace
	97	102.5				Dominate unit is dark grey, CS2 foliated, moderately
						carbonaceous, ribbon banded qtzite. Ribbon banding is thin
						generally < 1 cm defined by dominate Py + qtz ±
						minor sph + gal. Banding approx. 20% of unit volume
						Sulphides have been extensively remobilized into thin x cutting

DDH B-89-06

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 5/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fractures, contains local splashy cpy in thin fractures.
						Locally, in intervals ranging up to 1.5', carbonaceous
						folia are absent. The margins of these non-carbonaceous
						bands are marked by a gradational decrease in paper thin
						black carbonaceous folia. All other textures ± mineralogy ~ identical to
						the dominate 4A.
						Est % py (entire interval) 15-18%
						Est % Pb+Zn 2-3% MAYBE.
						701 → 325.5 ~ broken along fractures - recvy good
						325 → 501 ~ broken " " - recvy good.
						Contained at 318.7' and + 325.2' are two pale
						olive green + tan stained, calcareous, mod-soft metabasite bands.
						Margins // to S_2.
	13136 4	13183		16	H1C101	±5±$± 9 trace.
	1025	1062				~ hard, barren, sulphide banded qtzite. Local
						thin intervals up to 1.5' thick containing paper thin
						carbonaceous folia. Banding defined both S_1 + S_2.
						Bands are fine py ± dolomite ± minor sph + gal. ranges
						up to 2cm thick. Local splashy cpy in fine fractures.
						Est Pb+Zn 2-3%
						Est % py 20-25%.
	13141B 3	13151O 4		17	14D14	± $ minor
	1062	1068				~ hard, high grade, locally dolomitic, pyritic qtzite. Banding
						well developed // to S_2 ranges on a scale up to

DDH 89G-06
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: JUL 6/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						2 cm thick. Bands defined by Qtz+Py > Sph + Gal ± dolomite locally, rest-brown sph is dominate ~ in bands.
						Est Pb+Zn% - 8-10%
						Est Fe% - 20%
						Sulphides have been extensively remobilized into late thin X-cutting fractures.
						Core ~ broken, recy good.
	13510 4	13511 6		11 B	14G141$	# ± 8 major
	1068	1072				Tan, brown, well banded, high grade, massive baritic/pyritic sulphides contains abundant calcite and dolomite interstitial to sulphides/sulphates in broad bands // to Sz. Bands generally < 1½ cm, defined by variations in brown Sph + Gal, barite, pyrite, ± calcite/dolomite content. Bands are // to Sz. Contain local minor magnetite in thin discontinuous bands generally < 2mm // to Sz. Margins of 4G // to Sz.
						Est Pb+Zn 12-15%
						Est % Ba 20-25%
						Core ~ broken, recy good.
	13516 6	13566		11 A	14C101	± $ ± 7 (4LO) 80:20
	1072	1087				Dominate unit is ~ bed, Qtz-Sulphides banded, locally pyritic/baritic, low grade qtzite. Banding ranges up to 2 cm thick, defines Sz. Bands are 20% of unit volume. Bands consist of dominate Py, locally dominate Po

DDH BAG-06 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 24/6/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						v̄ interstitial qtz ± dol ± minor sph + gal. Sulphides have been extensively remobilized into thin late v-cutting fractures. Est % Pb + Zn ranges from 2-5%.
						701 → 352.7 mod soft pale grey - green altered musc - chl phyllite. Locally phyllite highly fractured. Margins ⊥ to S_2.
						Entire unit mod broken, recov good.
	13156 6	13519 7		R10	1 B 16	±2 ± S_1
	1087	1096				Mod soft, highly fractured, light grey, locally dark grey, non-calcareous, locally carbonaceous, locally dolomitic phyllite. Contains abundant black carbonaceous folia in 1' interval centered at 358.5. Contains local thin qtz ± dol siltstone laminae which have been disrupted by late fracturing. Cream tan dol infills local thin fractures.
						359.2 - 359.5 is highly fractured, brec'd peg qtz vein. Fractures have been weathered out + are rusty orange.
						Core is broken along fractures centered at 358.7 is 2" minor gouge ⊥ to S_2.
	13519 7	13616 7		R11	14D10	± S_1 minor
	1096	1118				v̄ hard, poorly banded, highly fractured, moderately pyritic qtzite. S_1 have been extensively re-mobilized into thin late fractures where banding is preserved, bands defined by dominate Py + lesser Sph. + Gal. Locally, Sph > Py

DDH 89G-06
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: JULY 6/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dolomite occurs locally in thin cream-tan highly fractured "clasts" elongate to S2.
						Est % Py 15%
						Est % Pb+Zn 5-8% dominately Sph.
						Bottom 1' rusty due to weathering out of carbonate.
						TOI - 365.7 ± broken, very good.
						365.7 → EOT highly broken along micaceous foliations.
						Recovery for unit is complete.
	13167	13619	1	12	40314	± 5 ± 8 minor (464 $) 60:40
	1118	1125				366.7 → 367.7 ▽ high grade mod hard thickly PS2 banded massive pyritic/baritic S⁻. Contains abundant dolomite interstitial to sulphides/sulphates. Est % Pb+Zn 14-18%
						367.7 → EOT ▽ hard, moderately (locally) ▽ carbonaceous, high grade, moderately pyritic, noncalcareous, qtzite. Contains local paper thin black carbonaceous foliae defining S2. Banding defined by dominate fine Py + interstitial fine qtz and Sphalerite. Top 6" of unit, Sph > Py. Est % Pb +Zn 8%. Est %/Py 30-40% ± Contains local minor small tan dolomite clasts.
						Core ▽ broken, recovery good
	13619	13748		13	14410	± $ minor (400)
	1125	1142				Dominate unit is barren, qtz + py ribbon sulphide banded moderately carbonaceous qtzite. Unit is very hard. Bands generally < ½ cm thick // to S2. Banding 20% of rock volume

DDH 89-06
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CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 6/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contain local minor, cream tan dol. clasts ranging up to 2cm ϕ 370.9 → 372.4, pervasive thin carbonaceous folia and absent. Unit is ū hard, light grey, moderately pyritic, barren gtz-ite. Except for carbon content - unit is same as domain 4A
						70Z → 372.6 ū broken, very good
						372.6 → EOT ū broken along fractures. Contact w lower massive S⁼ is brecciated.
	13 17 4 8	13 18 4 9		124	14E$16	± 4 ± 8 minor ± 5 minor ± micaceous folia. ± Porous. ± Bxa minor.
	1142	1173				Highly broken + locally brecciated, poorly banded, slightly baritic, mod⁻ hard massive pyritic S⁼. Contains abundant dolomite interstitial to sulphides and within local tan highly fractured clasts. Clasts range up to 5cm ϕ and are aligned w long axis // to S2. Unit contains local thin micaceous folia // to S2. At 378.2. unit contains small clasts of sulphides w carbonaceous folia. May occurs locally in ū thin black banded bands // to S2. Bands are defined by local concentrations of dol, barite and sph +gal. Bands are generally < 1/2 cm // to S2.
						Est % tot Zn varies from 3 to 8 %.
						Bxa likely related to lower Dog Lake fault.
						70Z → 376.8 ū broken, very good
						376.8 → ĒOT ū broken along fractures. Fractures have abundant tan - orange weathering coatings. recov good.

DDH 89-06
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: 11/6/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1318 4 9	1412 2		25	15 A 16	± $ Bxa ± Gouge (4E 1 ± S minor)
	1173	1256				Dominate unit is black, noncalcareous, highly fractured, broken + brecciated, soft carbonaceous phyllite + gouge. In more competent intervals, unit contains thin qtz ± dol silicine laminae + bands defining both S_1 & S_2.
						385.4 → 386.0 is v hard, homogeneous, barren, brassy yellow massive py. Contains minor interstitial grey qtz ± dol. Top contact // to S_2. Bottom contact brecciated
						This gouge to high to be Deal Lake Fault? - something else?
						Bottom 12.0' of interval is extremely brecciated, soft, and broken
						TOI → 388.0 v broken, 1' core loss.
						TOI → 392.0 rubble ± minor gouge 3.8' spread out rec'd.
						392.0 → 393.5 black, mud carbonaceous gouge Only 0.6' rec'd.
						393.5 → 398.5 rubble + bxa 3.4' rec'd.
						398.5 → EOI highly broken, rubbly, breccia. Recovery remarkably good.
	1412 2	1418 0		16	15 B 16	2 GOUGE ± BxA.
	1256	1305				Medium to dark grey, soft, moderately carbonaceous, misc phyllite mud gouge and breccia. 428.0' marks bottom of major fault zone interval.
						TOI → 416.0 gouge ± bxa 3.3' rec'd.
						416.0 → 418.0 bxa ± gouge 1.3' "
						418.0 → 421.0 gouge ± bxa 1.8' "

DDH BGC-06
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CURRAGH RESOURCES INC.
Lithologic Log

Date: July 6/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						421.0 → EOT GOUGE ! 3.7' rec'd.
	1412 80	1414 80		12 7	5 3 6	2 weak ! GOUGE minor
	1305	1366				Light to medium grey, mod soft dominately PS2 foliated, noncalcareous, moderately carbonaceous muscovite phyllite.
						S2 surfaces medium → dark steel grey. Contains local minor
						Po infilling fractures within local thin qtz veins.
						TOI → 433.0 v broken, local thin gouge intervals.
						very good
						433.0 → 438.0 v broken, very good
						438.0 → 438.5 mud gouge, very good
						438.5 → 442.2 v broken, very good
						442.2 → 444.5 rubble v local incipient gouge along
						fractures. very o.k.
						444.5 → 446.6 m broken along S2. Keeps good
						446 - EOI rubble, 1.3' rec'd.
	1418 80	1419 00		12 8	5 A 6	! $ minor
	1366	1400				Black, v carbonaceous, mod soft, thinly PS2 laminated,
						carbonaceous phyllite. S2 surfaces shiny black - strongly marked
						fingers. Unit is noncalcareous, contains minor clot interstitial
						to qtz in local thin silt/sand bands. Unit is highly
						broken & fractured. Largest intact piece 4" long
						Core easily breaks along S2.
						TOI - 457.0' Rubble. 7.4' spread out rec'd
						457.0' - v broken, very good

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CURRAGH RESOURCES INC.
Lithologic Log

Date: 14/6/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	141590	141640		29	15A10	
	140	1414				mod soft, v carbonaceous, black, locally calcareous phyllite. Contains locally abundant calcite +/- qtz in bands and laminae defining S_1 & S_2. Bands locally up to 2 cm thick. S_2 surfaces are shiny carbon black and strongly mark fingers.
	141640	141670		30	15A	GOUGE
	1414	1423				Black, soft, flakey, carbonaceous phyllite gouge. Core is GOUGE 2.7' recvd, marginal lost in rubble. Dual Lake Fault.
	141670	141790		31	15A16	± Bxa
	1423	1460				Mod soft, thinly PS_2 foliated, black, carbonaceous phyllite. S_2 surfaces black - strongly mark fingers. Unit is noncalcareous. Dolomite is absent except where infilling thin NE cutting fractures. Unit is locally associated w/ incipient gouge forming along fractures. Core v broken along S_2 & fractures. Very good
						EOH

DDH 89-6-06 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: July 5/89 Logged By: T. Kerber.

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	
		19.5 / 614	CS12	m		418 0100	718	S_2 // to micaceous fltn S_1 defined by comp banding
		614						fold hinge.
		28.0 / 912	CS12	S		25 3118	814	defn'd by micaceous fltn's compositional banding
		33.8 / 1111	CS12	S		019 0100	713	" "
		33.5 / 1110						fold hinge.
		31.4 / 1013						fold hinge.
		38.4 / 1216	CS12	m		313 3412	814	fold hinge defined by micaceous fltn & compositional banding
		27.1 / 889		S			811	S_3 = 14 $S_2 \rightarrow S_3$ = 000 S_3 at least past S_2
		28.3 / 913		-			812	defined by micaceous fltn.
								S_3 = 38 $S_2 \rightarrow S_3$ = 268.
								defined by micaceous fltn.
								(S_3 or past S_2) seen also as
								lineation on S_2 surface.
		45.4 / 1419	CS12	Z		019 1810	811	S_2 + S_1 defined by micaceous fltn & comp banding.
		49.7 / 1613	CS12	S		110 2618	719	" " "
		50.6 / 1616						Fold Hinge. Phase 2?
		47.9 / 1517						Fold Hinge
		51.5 / 1619						Fold Hinge
		56.4 / 1815	CS12	M		118 0100	517	S_2 defined by micaceous fltn + Py bands S_1 defn by comp band (fold hinge)
		61.6 / 2012	CS12	Z		215 1810	715	S_2 & S_1 defn by micaceous fltn + comp banding respectively S_3 seen on S_2 surface
		63.4 / 2109						Fold Hinge.
		68.0 / 2213	CS12	S		113 2917	710	S_2+S_1 defined by micaceous fltn + comp band. respectively.
		75.3 / 2417	PS12	-		T T	811	S_2 defined by micaceous fltn
		76.8 / 2512	CS12	M		018 1810	517	S_2+S_1 defined by micaceous fltn + comp banding Fold Hinge.
		81.1 / 21616.5	CS12	S		21 3212	514	" " (no Fold Hinge) "
		90.2 / 2916	PS12	-		T T	615	S_2 defined by Py banding.
		97.5 / 3210	CS12	Z		318 2413	519	defined by Py banding + compstnl banding
		99.4 / 3216	CS12	M		112 2614	710	S_2 defined by micaceous fltn S_1 by comp + Py banding Fold Hinge.
		104.2 / 3412	PS12	-		T T	611	S_2 defined by Py bands & micaceous fltn
		111.1 / 36145	PS12	-		T T	415	" " "
		114.3 / 3715	PS12	-		T T	413	" " "
		122.1 / 40105	PS12	-		T T	713	S_2 defined by micaceous fltn.
		130.8 / 4329	PS12	-		T T	511	" "
		135.5 / 44145	PS12	-		T T	316	" "
		140.4 / 46055	PS2	-		T T	41	" + thin Py bands"

⇐ EOH ⇒

PROJECT _____ DRILLHOLE NO. 896-06 COORDINATES: N _____ DATE _____ 19__

LOCATION GRUM HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGER K. ROBERTS 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		ℓ of rwm COMMENTS.
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
19.2	63	63	1.8	.5	0	0		5		E					6		19.2
19.8	65	2.0	2.6	.8	0.35	.1		7		E					0		.6
23.3	76.5	11.5	11.3	3.4	0.70	.2		7		E					3		3.5
25.4	86.5	10.0	10.0	3.0	1.55	.5		7		E					2		3.0
29.4	96.5	10.0	10.0	3.0	1.65	.5		7		E					2		3.0
32.0	105	9.5	9.3	2.8	0.9	.3		7		E					1		2.9
35.4	116	11.0	10.8	3.3	3.0	.9		8		E					2		3.3
38.4	126	10.6	5.6	1.7	2.9	.9		9		E					1		3.0
39.8	130.5	4.5	3.5	1.1	0.8	.2		7		E					0		1.4
41.8	137	7	6.1	1.9	1.55	.5		7		F					0		2.1
44.8	147	10	10	3.0	6.8	2.1		10		F					0		3.0
47.8	157	10	10	3.0	4.55	1.4		10		F					2		3.0
50.9	167	10	10	3.0	3.6	1.1		10		F					2		3.0
52.7	173	6	5.9	1.8	0.4	.1		7		E					1		1.8
53.9	177	4	5.1	1.5	0	0		7		F					0		1.2
56.4	185	8	8	2.4	0.85	.2		7		E					2		2.4
59.1	194	9	7.5	2.3	0.4	.1		7		F					0		2.7
61.0	200	6	6	1.8	0.35	.1		7		E					3		1.8
62.2	204	4	3.5	1.1	0	0		7		F					0		1.2
64.0	210	6	5.9	1.8	0	0		7		F					1		1.8
67.1	220	10	8.7	2.6	1.75	.5		8		F					2		3.0
68.6	225	5	5.1	1.5	1.0	.3		7		F					0		1.5
70.6	231.5	6.5	6.1	1.9	0.35	.1		7		F					1		2.0
71.2	233.5	2.0	2	.6	0	0		7		F					1		0.6
73.0	239.5	6	5.5	1.7	0	0		7		F					0		1.8
75.0	246	6.5	5.1	1.5	0	0		7		F					0		2.0
78.0	256	10	10	3.0	4.75	1.4		10		F					0		3.0
81.1	266	10	10	3.0	3.55	1.1		10		F					0		3.0

Fig. 15. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-606 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 3

LOGGER T. KERBER 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		ℓ COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
83.4 273.5	7.5	7.4	2.2	1.95	.6		7		F						0		2.3
14.7 278	4.5	4.1	1.2	0	0		6		F						0		1.4
17.5 287	9	9	2.7	3.25	1.0		10		F						3		2.7
20.5 297	10	10	3.0	5.45	1.7		12		F						4		3.0
22.4 303	6	6	1.8	2.85	.9		12		F						2		1.8
25.4 313	10	9	2.7	2.85	.9		9		F						3		3.0
28.5 323	10	9.7	2.9	3.5	1.1		10		F						2		3.0
01.5 333	10	10	3.0	5.1	1.5		10		F						3		3.0
02.7 337	4	4.2	1.3	1.85	.6		10		F						2		1.2
04.8 344	7	7	2.1	3.7	1.1		10		F						1		2.1
07.8 354	10	9.9	3.0	3.9	1.2		10		F						2		3.0
10.9 364	10	10	3.0	4.15	1.3		10		E						3		3.0
14.0 374	10	10	3.0	3.8	1.1		10		F						1		3.0
16.1 381	7	7	2.1	1.35	.4		9		F						3		2.1
18.3 388	7	6.85	2.1	0.75	.2		7		F						2		2.1
19.0 390.5	2.5	2.3	0.7	0	0		6		F						0		0.8
20.4 395	4.5	3.7	1.1	0	0		3		F						0		1.4
21.5 398.5	3.5	1.6	.5	0	0		3		F						0		1.1
123.4 405	6.5	6.2	1.9	2.45	.7		8		F						0		2.0
125.0 410	5	3.5	1.1	0			1		F						0		1.5
126.8 416	6	5.3	1.6	0			1		F						0		1.8
127.4 418	2	1.6	.5	0			1		F						0		.6
128.3 421	3	2.1	.6	0			1		F						0		.9
130.5 428	7	3.8	1.1	0			1		F						0		2.1
132.3 434	6	5.2	1.6	1.75	.5		9		F						1		1.8
133.7 438.5	4.5	4.3	1.3	0.6	.2		7		F						1		1.4
134.3 440.5	2	2	.6	0			7		F						1		.6
135.5 444.5	4	4	1.2	0			6		F						2		1.2

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-606 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 3

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.	
448	3.5	3.5	1.1	0.35	.1		6		F						2		1.1
450.5	2.5	1.8	.5	0	-		6		F						0		0.8
458	7.5	6.7	2.0	0			6		F						0		2.3
464.5	6.5	5.3	1.6	0.35	.1		7		F						0		2.0
467	2.5	1.9	.6	0			5		F						0		.8
469	2	2	.6	0			6		F						0		.6
472.5	3.5	3.2	1.0	0			6		F						1		1.1
475.5	3	2.4	.7	0			6		F						0		.9
479	3.5	3.2	1.0	0			6		F						0		1.1

35.5
37.3
39.6
41.6
42.3
43
44
44.9
46

Fig. 1. Typical rock mechanics core log.

DDH 89G-06 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date Jul 6/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 0 14	16 84.6 20	22 0 26	28 84 30 2	32 — 34	36 WASTE 40	42
	84.6 / 1217 7	85.9 / 1281 8	41875	41	1.2 41	141ED	± 4
	1281 8	87.0 / 1285 3	41876	35	1.1 35	141ED	± 4 - 4C minor
	1285 3	88.1 / 1289 2	41877	39	1.2 39	141E416	Porous
	1289 2	89.4 / 1293 4	41878	42	1.3 42	141E416	Porous
	1293 4	90.7 / 1297 6	41879	42	1.3 42	141G141	$
	1297 6	92.3 / 1303 0	41880	54	1.6 54	141G141	$
	1303 0	93.9 / 1308 0	41881	50	1.1 35	141G141	$
	1308 0	95.3 / 1313 3	41882	53	1.5 49	141G141	$
	1311 3	97.0 / 1318 2	41883	49	1.5 49	141G141	$
	1318 2	98.5 / 1323 3	41884	51	1.4 46	141A101	(4C) minor
	1323 3	100.1 / 1328 3	41885	50	1.5 50	141A101	(4C) minor
	1328 3	101.3 / 1333 3	41886	40	1.2 40	141A101	(4C) minor
	1332 3	102.5 / 1336 4	41887	41	1.2 41	141A101	(4C) minor
	1336 4	103.7 / 1340 4	41888	40	1.2 40	141C101	± 5
	1340 4	104.9 / 1347 2	41889	38	1.1 38	141C101	± 5
	1347 2	106.2 / 1348 3	41890	41	1.2 41	141C101	± 5
	1348 3	106.8 / 1350 4	41891	21	0.6 21	141D141	± 8 minor
	1350 4	107.2 / 1351 6	41892	12	0.4 12	141G141 8	#
	1351 6	108.7 / 1356 6	41893	50	1.5 50	141C101	± 8 ± 7 (4L) 80:20
	1235 6	109.6 / 1359 7	41894	31	0.9 31	151B161	± 2
	1359 7	110.9 / 1364 0	41895	43	1.3 43	141D10	± 8 minor
	1364 0	111.8 / 1367 7	41896	27	0.8 27	141D10	± 8
	1367 7	112.5 / 1369 1	41897	24	0.7 24	141D134	± 5 ± 8 minor
	1369 1	114.2 / 1374 8	41898	57	1.7 57	141A101	
	1374 8	115.5 / 1379 0	41899	42	1.3 42	14E816	± 4
	1379 0	117.3 / 1384 9	41900	59	1.4 47	14E816	± 4
→	117.3	146.0	—	28.7	—	WASTE	

EOH

DDH 89G-06 (2 8 metres)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1 1 10 0	1 1 18 9	N1P1					Tricored - no recovery
	1 1 18 9	1 2 18 9	2IB1					
	1 2 18 9	1 3 10 1	1IB1					
	1 3 10 1	1 3 10 9	J13B					
	1 3 10 9	1 3 14 9	1IB1					
	1 3 14 9	1 3 15 1	3IB1					
	1 3 15 1	1 4 2 8	2IB1					
	1 4 2 8	1 4 18 6	1IB1					
	1 4 18 6	1 4 19 1	J13B					
	1 4 19 1	1 5 10 9	1IB1					
	1 5 10 9	1 5 13 5	3IB1					
	1 5 13 5	1 5 14 8	J1RG					
	1 5 14 8	1 5 15 5	2IB1					
	1 5 15 5	1 5 16 4	J13B					
	1 5 16 4	1 5 18 7	3IB1					
	1 5 18 7	1 5 18 9	1IG1					
	1 5 18 9	1 5 19 4	3IB1					
	1 5 19 4	1 6 10 1	2IB1					
	1 6 10 1	1 6 10 8	J13B					
	1 6 10 8	1 8 14 0	2IB1					
	1 8 14 0	1 8 14 6	3IB1					
	1 8 14 6	1 8 14 7	1IG1					
	1 8 14 7	1 8 16 0	X1IB					
	1 8 16 0	1 8 16 3	J13B					
	1 8 16 3	1 8 16 9	2IB1					
	1 8 16 9	1 8 17 3	3IB1					
	1 8 17 3	1 8 19 4	2IB1					
	1 8 19 4	1 9 13 6	1IB1					
	1 9 13 6	1 9 14 3	J13B					
	1 9 14 3	1 9 17 0	1IB1					
	1 9 17 0	1 9 19 2	J13B					
	1 9 19 2	1 10 12 5	J12B					
	1 10 16 2	1 10 17 2	1IB1					
	1 10 17 2	1 10 18 7	2IB1					
	1 10 18 7	1 10 19 6	J12B					
	1 10 19 6	1 11 1 5	1IB					

DDH 89G-06 (2 8) metres

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1/1/1.5	1/1/1.8	31B1					
	1/1/1.8	1/1/2.5	21B1					
	1/1/2.5	1/1/3.6	11B					
	1/1/3.6	1/1/4.2	J31B					
	1/1/4.2	1/1/4.8	X12B					
	1/1/4.8	1/1/7.3	X13B					
	1/1/7.3	1/1/9.5	R12G					
	1/1/9.5	1/1/9.9	21G1	3				
	1/1/9.9	1/2/1.5	R1X1	6				
	1/2/1.5	1/2/5.6	R1X1G					
	1/2/5.6	1/3/0.5	31G1X	5				
	1/3/0.5	1/3/3.5	31B1					
	1/3/3.5	1/3/3.7	11G					
	1/3/3.7	1/3/4.8	31B1					
	1/3/4.8	1/3/5.5	J1RG					
	1/3/5.5	1/3/6.1	21B1					
	1/3/6.1	1/3/9.3	R11					
	1/3/9.3	1/4/0.0	31B1					
	1/4/0.0	1/4/2.3	21G1					
	1/4/2.3	1/4/6.0	J31B					
								EOH = 146.0

C.R.I. 1987 E-7

NAME
NOM 89 6-07

No.

ON OFFICE SUPPLIES

103 ELLIOT STREET, WHITEHORSE, YUKON YIA 1Z9
TEL: (403) 668-4788
FAX: (403) 668-7283

R 611

CURRAGH RESOURCES INC.

Page 1 of _____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-07

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

UTM ~~Terr.~~Plane Co-ords.: 6,904,426.504 N 5819.70 N

592,563.087 E 2,490.35 E

Grid Co-ords: 55W / 4S

Elevation: 1254.182

All symmetry determinations looking

Total Depth: 357(ft) 108.8 m. _____ with _____ dipping

Inclination: -90° VERTICAL _____ with dip azimuth _____.

Purpose: Test Champ Zone and locate fault displacing ore

Reason hole Terminated: _____

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: _____ Steel down Hole: _____

Size	CORE From	To
NW	0	_____
_____	_____	_____
_____	_____	_____

Collar Cased and Capped: _____

Assay Lab: _____

Certificate No's: _____

Started: _____ Completed: _____

_____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-07

Date: JULY 9/89 Logged By: GVR

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	89G-07					S2	

Code	Drillhole	Depth FEET	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	89G-07	0	-90.0	0.0	AT COLLAR
R	89G-07	1044	-87.5	184.8	SPERRY SUN
R			.	.	
R			.	.	
R			.	.

DDH 89G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03

Date: July 11/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1010	46.3 1512		1	#1	O/B TAILINGS - NO RECOVERY
	1512	46.6 1513		2	#1	Small re-drilled gtzite & O/B phyllite fragments. Largest piece 2" long 0.7' recd.
	1513	49.7 1613		3	5B6	2 ± Bxa (4L Bxa Estimate) weathered 50:50 Dominant unit is mod soft, dark-grey to black, PS2 foliated, mod carbonaceous, non calcareous phyllite. S2 surfaces dark grey to black. 153.2 → 158.0? Highly altered? weathered white very soft & powdery phyllite Bxa. Upper contact w/ 5B62 is sharp, 18° to core axis. Bottom contact is rubble and soft flakey gouge. Only 4.5' of core recovery between 154.0 and 163.0. Most (or all) of the core loss appears to be within this highly altered? gouged? & weathered interval between 153.2 & 158.0 Only 0.5' recd between 153.2 and 158.0. May be significant fault above ore horizon. 159.8 - 161.4 - same unit as 153.2 → 158.0. Top contact of white powdery phyllite gouge is brecciated. Bottom contact lost in rubble. Bottom contact of phyllite against S= is brecciated. Sulphide fragments at contact have local polished slickensided surfaces. A fault likely occurs at the top of the sulphide horizon.

DDH 89G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 04

Date: July 11/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI - 154.2 - Rubble + bxa 0.8' rec'd.
						154.2 → EOI v broken w local rubble + gouge 4.5' rec'd.
		51.6				
	1 1 6 2 0	1 1 6 9 4		4	4 E 4 1 6	I Bxa + Porous slightly weathered.
						High grade, mod soft, slightly weathered, poorly banded, massive
						pyritic S= Banding defined by local concentrations of interstitial
						barite, dolomite, and sph + gal. Contains white (powdery) oxide coatings on
						local fracture surfaces. Unit locally porous due to weathering
						of carbonate. Top 6" of unit highly broken + brecciated + porous in
						fractures. Some fragments have polished slickensided surface near
						TOI. Bottom 1.5' of interval moderately brecciated.
						Est % Pb+Zn 8-10%
						Est % Ba ranges from 2 - 15%
						TOI → 163.7 Rubble bxa 0.7' spread out rec'd.
						163.7 → 164.7 mod broken, recvy good
						164.7 → 166.5 Rubble due to steep fracture, recvy O.K
						166.5 → v broken w local bxa, recvy good
		52.8				
	1 1 6 1 9 4	1 1 7 1 3 2		5	4AP	(4CO) (4CL Gouge) 33:33:33. Mod Weathered.
						Highly mixed unit. Unit is v broken - largest piece
						2" long
						TOI → 169.7 Small fragments of barren 4A + 4C w
						local recvy - tan powdery gouge.
						169.7 → 170.5 w hard, black, carbonaceous strike fragments
						w local thin incipient soft black carbonaceous gouge along fractures +
						S2. Largest piece 1.5' long No visible Pb+Zn. Only local

DDH 89G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 05

Date: Jy 11/89 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						poorly developed qtz + py bands // to Sz.
						170.5 → 171.0 Soft, friable, medium-grey phyllite + qtz vein gouge. Margins lost in rubble. 6" rec'd.
						171.0 → EOI highly broken and fractured fragments of 4C and 4A. 4C fragments > 4A. Fragments are locally incipiently gouged and brecciated along fractures. No visible Pb+Zn.
						It is difficult to tell what this interval really is because of poor core condition and everything appears to have been mixed when it came out of the core barrel!
						Unit is likely a breccia ∴ highly broken 4A + 4C fragments + incipient gouge along fractures.
						Est Pb+Zn 1-2%
						Entire interval is rubble. 3.7' rec'd.
	11 17 3 2	57.2 11 8 7 5		0 6	4 A 0	mod weathered (4C0) (5C4*) 85 : 14 : TRACE
						Med-dark grey mod hard, mod carbonaceous, ribbon banded carbonaceous qtz vein. Unit is highly fractured and broken. Qtz - Py ribbon banding extensively re-mobilized into late thin fractures. Sz surfaces are dull black + smear fingers. No visible Pb+Zn. Unit mod weathered along fractures
						175.5 → 177 carbon folia are absent
						Est % Py 15 → 20%.
						At 187.0 thin pale tan green, soft, foliation calcareous altered metabasite band. Band is 2" thick.
						TOI → 175.5 ∴ broken along steep fractures, recy O.K.
						175.5 → 179.5 rubble, recy O.K.

DDH 89G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 06

Date: July 11/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						179.5 → 181.4 v broken, recy O.K
						181.4 → 184.5 rubble ± incipient gouge. 1.7' rec'd.
						184.5 → EOI v broken along steep fractures, recy O.K.
	1181.5	57.6 1181.9 0		007	14D10	I $
						Dominate unit is v hard light grey, PS2
						banded, non carbonaceous gtzite. Banding defined by gtz + py ±
						interstitial sph and traces of gal. Unit is locally highly
						fractured, S= extensively remobilized into these fractures. Contains
						local thin pale green chl. folia aligned // to S2.
						Dolomite occurs locally in thin tan clasts elongate to S2.
						Est Pb+Zn 6-8%
						Est % Py 10-15%.
						Core mod broken, recy good.
	1181.9 0	59.4 1191.5 0		008	14E18	±4±8 mod weathered. NOTE POOR RECOVERY - MISLATCH?
						Only 0.8' core rec'd in this interval. Likely a MISLATCH.
						Core is poorly banded, mod⁻ weathered & porous, mod⁻ soft,
						dolomitic massive Pyritic S=. Banding defined by local
						concentrations of sph+ gal. Dol occurs interstitial to S"
						in broad bands and in small, fractured tan weathered
						"clasts". Contains local mgs in thin black streaks // to S2
						Est % Pb+Zn 5 → 6%?
						2 redrilled V pieces 0.6' and 0.2' rec'd.

C.R.I. 1987 E-3A

DDH 89G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 07

Date: JULY 11/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1195	1205 (61.7)		09	4D	± 8
						Same as unit # 7. Highly broken & fractured, medium grade, v hard, locally, dolomitic, q/z - sulphide banded q/z vein. Est % Pb + Zn 5-6% Dominantly Sph. Contains local clots in thin veinlets aligned // to S_2
						TOE → 195.5 Rubble 0.5' rec'd.
						195.5 → 198.0 v broken along steep fractures rec'y O.K.
						198.0 → 201.0 rubble spread out - due to intense fracturing, rec'y O.K.
						201.0 → EOT v broken, rec'y O.K. Contains abundant thin pale green chl. folia near EOT
	1205	1205 (62.7) 1215 6		10	4E14	6 ± 8 minor ± 9 minor
						Highly broken and fractured, mod hard, poorly banded, high grade massive pyritic S^2. Banding poorly defined by local concentrations of sphalerite ± barite. Contains local minor del in thin clots // to S_2. May occurs locally in thin black streaks // to S_2
						Est % Pb+Zn 8-10%
						Core v broken along fractures. Last 1.0' feet brecciated 2.3' recovered.
		(62.0)				
	1215 6	1216 5		11	15B16	2 ± Bx. ± GOUGE. Mod weathered.
						Mod soft, dark grey to locally black, dolomitic, highly fractured and broken, locally brecciated and gouged, noncalcareous, mod carbonaceous phyllite.

C.R.I. 1987 E-3A

DDH 89-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 08

Date: 24/11/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI → 208 flaky SB sousse. 2.0' core loss.
						208 → 208.9 vuggy, highly broken, soft, weathered, dark grey SB phyllite breccia. Contains local small highly fractured HEO clasts. Clasts up to 2 cm ϕ. Recy O.K.
						208.9 → 216.0 Contains abundant thin tan-orange weathered qtz+dol bands aligned // to S_2. S_2 ῡ steep within this interval ranging from 15 to 30° to core axis. Recy O K
						216.0 → EOI Flaky SB phyllite sousse and breccia. Recy O.K
	12 16 5	67.9 12 12 8		1 2	1 4 D P	± 8 minor micaceous ϕ chloritic Locally mod⁻ weathered ῡ hard, light grey, qtz-$S^{=}$ banded, noncarbonaceous qtzite. $S^{=}$ within bands are dominate P_y, Sph, locally sph > P_y and minor gal. Bands generally < 1cm thick ⊤ defines S_2. Sulphides have been extensively remobilized into thin late fractures. Bands ≈ 15% of unit volume. Contains abundant thin micaceous + chl folia aligned // to S_2. Top 2.5' of unit mod⁻ weathered along fractures
						Est % PhiZn 5-8%.
						Est % P_y 10-15%.
						TOI → 219.0 ῡ broken along fractures, 1.0' core loss
						219.0 → EOI m broken, very good
	12 12 12 8	68.5 12 12 4 9		1 3	1 4 A D	
						Highly fractured, ῡ hard, dark grey → black, PS2 foliated carbonaceous qtzite. Contains thin, poorly developed qtz +P_y ± minor sph bands generally < 1/2 cm thick

DDH 89G-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 11/89 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						aligned // to Sa. S2 surfaces are carbon black + mark fingers.
						Est Pb+Zn = 2% Est % Py 10%.
						Core v broken, recy O.K.
	212.9	69.9 219.9	4	114	141C10	MELANGEOUS (4A0) 80:20
						Dominant unit is light grey, thinly SS2 banded, v hard, pyritic qtzite. Bands generally < 1/2 cm wide, defined by qtz + py ± sph ± traces of gal. Banding = 15% of rock volume. Contacts abundant thin tan grey micaceous laminations defining S2. Unit is highly fractured. Sulphides have been extensively re-mobilized into late 'cutting' fine fractures.
						Est Pb+Zn 2-3%.
						227.5 → 228.7 v hard, dark grey, low grade, thinly qtz + py ribbon banded carbonaceous qtzite. Contacts lost in rubble. S2 surfaces carbon black. Unit locally CS2 foliated.
						Est Pb+Zn 2-4%
						Est % Py 8-10%.
						Unit is highly fractured and broken.
						TOI → 227.0 mod broken, recy good.
						227.0 → EOI v broken along fractures, recy good.
	219.4	33.7 241.9		115	141A10	
						Highly fractured + broken, v hard, thinly PS2 banded, locally CS2 foliated, carbonaceous qtzite. S2 surfaces dark grey → black. Banding is generally < 1/2 cm thick, diffuse,

DDH 89-07
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 10

Date: JULY 11/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						defined by dominate qtz + Py ± minor sph ± traces of gal
						Banding is 8 to 10% of unit.
						Est % Pb+Zn 2-3% - MAYBE!
						Est % Py 8-10%
						Entire interval is extremely broken due to abundant
						X-cutting fractures. Recy good
	12411 9	75.3 12417 0		116	4L 102	4 ± GOUGE (4AO) BxA 80:20
						Dominate unit is mod⁻ soft, light grey, sulphide bearing
						altered musc>chl phyllite (contains abundant thin bands + stringers
						of qtz + py ± sph ± cal. Est % S⁼ ≈ 12% dominately Py. Est
						Pb+Zn 2-3% dominately Sph.
						242.0 - 242.2 is 3 redrilled 4E4 fragments - likely cave from
						hister massive S⁼ interval. Fragments are at beginning of run.
						244.0 → 246.0? is white flakey, soft, 4L gouge. Only 0.4' rec'd.
						244.4 → EOI is dark grey to black, highly fractured + porous,
						mod⁻ hard, carbonaceous qtzite breccia. Contact w higher 4L
						gouge ≈ 50° to core axis. Bottom contact lost in
						rubble. Sulphides have been remobilized in thin fractures.
						Est % Pb+Zn <1%, Est % Py 8-10%
						TOI → 244.0 mod⁻ broken, recy O.K.
						244.0 → 246.0 4L GOUGE 0.4' rec'd.
						246 → EOI v broken, recy O.K.

DDH B.9.G-.0.7. (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 11/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1214.7 O	78.9 1259 O		11 7	14L	GOUGE.
						Soft, flakey + muddy, white cream 4L GOUGE. Contacts lost in rubble. Locally - select PS2 texture visible. Contains
						local small qtz + py fragments, - likely highly broken +
						disrupted qtz-sulphide bands in 4L.
						Core is gouge
						70I → 252.0 2.9' rec'd
						252.0 → EOI 1.5' gouge rec'd.
						A Significant Fault - Too high to be Deal Lake
						Fault.
	1215.9 O	81.4 1267 O		11 8	15B12	6 GOUGE ± BxQ.
						70I → 260.0 dark grey → black mod soft noncalcareous, mod
						carbonaceous, highly fractured and broken phyllite breccia. Rec 0.5'
						260.0 → EOI soft, dark grey, flakey - muddy 5B26 GOUGE.
						Only 1.8' rec'd.
						70I → 260.0 rubble, rec 0.5'
						260.0 → EOI GOUGE, 1.8' rec'd.
	1267 O	95.6 1307 O		11 9	15B10 12	± $ minor → [5A0 ± $ minor]
						Dark grey → locally black, dominantly PS2 foliated, moderately
						calcareous, locally dolomitic, mod carbonaceous phyllite. S2 surfaces
						dark grey to locally black. Unit is progressively darker
						down the hole, transitional to 5A. Contains local thin
						light grey qtz ± calcite ± dol siltstone bands and laminae
						aligned // to S2. Unit is v broken along S2 and dips

DDH BAG-07 (2 of 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 11/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Fractures.
						Core is extremely broken
						TOI → 273.0 2.6' rec'd.
						273.0 → 278.0 4.4' rec'd.
						278.0 → 284.5 6.9' rec'd
						284.5 → 289.0 3.6' rec'd.
						289.0 → 292.0 2.6' rec'd
						292.0 → 294.5 1.5' rec'd.
						294.5 → 297.0 2.2' rec'd.
						297.0 → 302.0 3.9' rec'd
						302.0 → 307.0 4.1' rec'd.
	13107 0	96.2 13115 5		1210	15916	± $
						Black, dominantly PS_2 foliated, moderately soft, variably calcareous, locally dolomitic, phyllitic. S_2 surfaces contain black ± strongly marks fingers. Unit highly broken along S_2 and steep fractures. Contains local thin light grey qtz ± dol siltstone laminae ± bands containing S_2.
						TOI → 309.4 v broken recvy O.K.
						309.4 → 312.0 Rubble ± black flakey phyllitic gouge Only 0.8' rec'd.
						312.0 → EOI v broken along S_2 "poker chippy" recvy O.K.

DDH B-9-G-07

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 11/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131155	100.5 131297		1211	15B62	± GOUGE ± $ minor
						Dark grey, mod carbonaceous, mod soft, ±Sz foliated, msc phyllite. Sz surfaces dark steel grey - only slightly mark fingers. Unit is locally incipiently brecciated and gouge due to lower Doal Lake fault. Contains local minor thin light grey qtz ± dol bands // to Sz.
						TOI → 319.0 v broken + "poker chippy". recy 0.K.
						319.0 → 321.0 flakey gouge 1.3' rec'd
						321.0 → EOI v broken + poker chippy 5.9' rec'd.
	131297	108.8 131570		1212	15A	GOUGE DOAL LAKE FAULT!!
						Dark grey → black v soft flakey, carbonaceous phyllite gouge and breccia. Upper contact not recovered. Gouge may contain some Dolomite + Calcite.
						TOI → 335.0 GOUGE 3.1' rec'd.
						335.0 → 344.0 GOUGE ± Bxa 3.9' rec'd
						344.0 → 349.0 GOUGE 3.2' rec'd.
						349.0 → 351.0 GOUGE 2.8' rec'd.
						351.0 → 357.0 GOUGE + Bxa 1.8' rec'd
						EOH

DDH 89-G-07 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: July 7/89 Logged By: T. Kerber

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	
	478	157	CS2	S		20600	68	S_2 defined by micaceous fltn. S_1 by comp. banding.
	571	1875	PS2			— —	46	S_2 defined by micaceous fltn. + pyritic banding.
	604	198	PS2			— —	65	" + sphalerite bands
	690	2265	PS2			— —	50	S_2 defined by chloritic fltn + pyrite bands.
	722	237	CS2			07 180	49	S_2 defined by micaceous fltn + pyrite bands S_1 by comp. bands
	866	2814	PS2			— —	54	S_2 defined by micaceous fltn
	905	2977	PS2			— —	65	" "
					Foh			

PROJECT _____ DRILLHOLE NO. 89-G-07 COORDINATES: N _____ DATE July 7 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 2

LOGGER T. Verbey 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		Depth to (m)	length of Run (m)
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	COMMENTS	
154		2.0	.6	0	0		6		E						1		46.9	
163	9	5	1.5	0	0		6		E						0		49.7	2.7
167	14	4	1.2	8.5	26		7		E						1		50.9	1.2
170.5	3.5	3.1	.9	0.35	.3		7		E						0		52.0	1.1
174	3.5	3.0	.9	0	0		6		E						0		53	1.1
177.5	5.5	5.5	1.7	0	0		6		E						0		54.7	1.7
183	3.5	2.5	.8	0.35	.1	11	6		F						0		55.8	1.1
184.5	1.5	0.7	.2	0	0		6		F						0		56.2	.5
189	4.5	4.5	1.4	1.05	.32		7		F						2		57.6	1.4
195	6	0.6	.2	0.4	.12		7		F						0		59.4	1.8
201	6	6	1.8	0	0		6		F						0		61.3	1.8
204	3	2	.6	0	0		6		F						1		62.2	.9
208	4	2	.6	0	0		6		F						1		63.4	1.2
216.5	8.5	6.6	2.0	0	0		7		F						1		66.0	2.6
223.5	7.0	5.8	1.8	0.75	.2		8		F						0		68.1	2.1
225.5	2	2	.6	0.35	.1		6		E						0		68.7	.6
229	3.5	3.5	1.1	0.45	.1		7		F						0		69.8	1.06
232.5	3.5	3.5	1.1	0.35	.1		6		F						0		70.9	1.06
235	2.5	2.2	.7	0	0		6		F						0		71.6	.8
237	2	2	.6	0	0		6		F						0		72.2	.6
240.5	3.5	3	.9	0.6	.2		6		F						0		73.3	1.06
242	1.5	1.5	.5	0	0		6		F						0		73.8	.5
247	5	3.1	.9	1.0	.3		9		F						0		75.3	1.5
252	5	2.8	.9	0	0		1		F						0		76.8	1.5
260	8	2.5	.8	0	0		1		F						0		79.2	2.4
267	7	1.5	.5	0	0		1		F						0		81.4	2.2
273	6	2.5	.8	0	0		6		F						0		83.2	1.82
278	5	4.6	1.4	0	0		6		F						0		84.7	1.5
284.5	6.5	6.5	2.0	0	0		6		F						1		86.7	1.9

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-07 COORDINATES: N _____ DATE July 7 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 2

LOGGER T. Kenber 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		Depth (m)	COMMENTS	Length of Run (m)
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.			
289	4.5	3.7	1.1	0			6		F							0	88.1		1.4
292	3	2.6	.8	0			6		F							0	89.0		.9
294.5	2.5	0.8	.2	0			6		F							0	89.8		.8
297	2.5	2.2	.7	0			6		F							0	90.5		.8
302	5	4	1.2	0.4	.1		6		F							0	92.0		1.5
307	5	4.2	1.3	0			6		F							0	93.6		1.5
312	5	3	.9	0			2		F							0	95.1		1.5
317	5	4.6	1.4	0			6		F							0	96.6		1.5
321	4	3.3	1	0			6		F							0	97.8		1.2
324	3	1.7	.5	0			6		F							0	98.8		.9
327	3	2.6	.8	0			6		F							0	99.7		.9
330	3	1.9	.6	0			6		F							0	100.6		.9
335	5	2.7	.8	0			1		F							0	102.1		1.5
340.5	5.5	4	1.2	0			1		F							0	103.8		1.7
344	3.5	3.2	1.0	0			1		F							0	104.9		1.1
351	7	2.6	.8	0			1		F							0	107.0		2.1
357.6	.6	1.7	.5	0			1		F							0	108.8		1.8

Fig. 1. Typical rock mechanics core log.

DDH 89-07 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CJR.

ASSAY LOG (SAMPLER'S COPY) Date JLY 11/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 0 14	16 49 20	82 26	28 49 30	32 34	36 WASTE 40	42
	116.49	116.50	41801	32	.8 26	41E416	Porous Slightly Weathered
	116.50	116.51	41802	32	.8 26	41E416	" " "
	116.51	116.52	41803	38	.8 28	141AIC	Moderately Weathered
	116.52	117.54	41804	45	1.1 37	141A10	" "
	117.54	118.55	41805	53	1.6 53	141A10	" "
*	118.55	118.56	41806	33	1.0 33	14A10	" "
	118.56	118.57	41807	27	.8 27	141D10	± $
	118.57	119.59	41808	60	2.0 206	41E814	± NOTE POOR RECOVERY!
	119.59	119.60	41809	30	.9 30	41D01	± $
	119.60	120.61	41810	45	1.4 45	141D101	± $
	120.61	120.62	41811	31	.8 26	14E416	± $ ± $ minor
	162.7	166.0	—	3.3	—	WASTE	
	166.0	167.9	41812	63	1.6 54	141D101	± $ minor mod weathered
	167.9	168.5	41813	21	.6 21	14AD1	
	168.5	169.4	41814	45	1.4 45	141C101	(4AO) 80:20.
	169.4	171.0	41815	36	1.1 36	141A101	
	171.0	172.2	41816	40	1.2 40	141A101	
	172.2	173.7	41817	49	1.2 41	14A101	
	173.7	175.3	41818	51	1.3 43	41L012H	± GOUGE (4AO) 80:20
	175.3	1108.0	—	332.5	—	WASTE	
			EOH				

DDH 89G-07 (2 of 8) metres

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	10 0	14 16 3	NIP					Triconed — no recovery
	14 16 6	14 19 7	RIGIX	4				
	14 19 7	14 19 9	RIXI					
	14 19 9	15 10 2	2IBI					
	15 10 2	15 10 7	JIRI					
	15 10 7	15 11 6	XI3IB					
	15 11 6	15 11 7	GIXIR					
	15 11 7	15 12 0	GIXIR					
	15 12 0	15 12 1	GI					
	15 12 1	15 12 8	XIRI					
	15 12 8	15 13 5	JI3IB					
	15 13 5	15 14 7	RI					
	15 14 7	15 15 3	3IBI					
	15 15 3	15 16 2	RIIGS	T				
	15 16 2	15 17 2	JI3IB					
	15 17 2	15 17 6	2IBI					
	15 17 6	15 19 4	PI	0				
	15 19 4	15 19 6	RI					
	15 19 6	16 10 4	JI3IB					
	16 10 4	16 11 3	3IJR					
	16 11 3	16 12 7	JI3IB					
	16 12 7	16 13 4	2IGI	3				
	16 13 4	16 13 7	XI					
	16 15 8	16 16 0	GIXI					
	16 16 0	16 16 8	JI3IB	6				
	16 16 8	16 17 9	2IBI					
	16 17 9	16 18 5	3IBI					
	16 18 5	16 19 2	2IBI					
	16 19 2	17 13 7	JI3IB					
	17 13 7	17 14 4	2IBI					
	17 14 4	17 15 0	GI	2				
	17 15 0	17 15 3	XI3IB		510	01010		
	17 15 3	17 18 9	2IGI	2				
	17 18 9	18 11 4	2IGIX					
	18 11 4	19 13 6	3IBIP					
	19 13 6	A 16 2	3IBIR					

DDH 89G-07 (2 … 8) metres

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM		TO (At)		Feature	REC.	UPPER Dip Direct.		INTERNAL Dip Direct.		LOWER Dip Direct		Description
1	10	14	16	20	22	24	26	28	32	34	38	40	44	
	1916	2	1/100	5	GBIT									DOME LAKE FAULT
	1/100	5	1/101B	8	3GTX	3								DOME LAKE FAULT
														EOH = 108.8

NAME
NOM 89-6-08

No.

FFICE SUPPLIES

LIOT STREET, WHITEHORSE, YUKON YIA 1Z9
103) 668-4788
103) 668-7283

R 611

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: JULY 10 /89

Hole Number: 89G-08

Reference Fabric Orientation Diagram:

Project: GRUM DEPOSIT DEF'N DRILLING - 1989

Location: GRUM DEPOSIT

Claim: _____

~~Terr.~~Plane Co-ords.: 6905388.218 N 6,754.47 N

592174.174 E 2,941.35 E

Grid Co-ords: 86 W / 11 N

Elevation: 1310.937

All symmetry determinations looking

Total Depth: 434(ft) 132 (m)

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: TO TEST NW SECTION OF GRUM DEPOSIT.

Reason hole Terminated: DRILLED INTO FOOTWALL

Logged by: C.V. REED

Date(s) Logged: July 13-15, 1989

Drilling Contractor: ARCTIC

	Size	CORE From	To
	NW	0	9
	NQ	9	434.0 ft.

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: _____ Completed: July 9/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-08 (2 — 8)

Date: JULY 10/89 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	89G-08					S2	

Code	Drillhole	Depth FEET	Zenith Angle	True Azimuth	Comments
	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R	89G-08	000	-90.0	000.0	ATCOLLAR
R	89G-08	80.5 / 1640	-86.5	125.0	SPERRY SUN
R	89G-08	126.2 / 1470	-84.2	107.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
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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 89G-08

CURRAGH RESOURCES INC.

Lithologic Log

Page 03

Date: JULY 13 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	12 0		1	#1	TRICONED - NO RECOVERY
		37				
	12 0	19 5		2	5B10	Weathered.
		59				Mod soft, light grey, locally rusted, locally CS2 foliated muse phyllite. Abundant orange rust on S2 and fracture surfaces. Contains abundant calcite in thin qtz-calcite bands // to S2 and defining lithons. Core v. broken due to fracturing + weathering along S2.
						70' - 12.7 Rubble 0.6' spread out rec'd.
						12.7 - EOH v. broken 7.2' rec'd.
	19 5	10 19 4		3	5B10	
		33 3				Light grey, CS2 foliated, v. calcareous, mod soft muse phyllite. S2 surface light - medium steel grey, contains abundant calcite in thin light grey bands // to S2 + defining lithons. 70' - 39.7 contains abundant broken + brecciated pegmatitic white qtz veins.
						70' - 25.0 Rubble 1.9' rec'd.
						25.0 - 68.3 v. broken along S2 + steep fractures 35.7' rec'd.
						68.3 - 69.1 Flaky rubble + incipient gouge - cataclasis
						69.1 - 103.0 v. broken along S2, very good.
						103.0 - 104.0 rubble - end run recy 0.K.
						104.0 - EOH v. broken very good.

DDH 89G-08
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 04

Date: JULY 13/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1 1 0 9 4	1 1 1 4 8 (35 0)		14	15BP	I2 I BxA.
						Mod⁻ soft, highly broken, locally brecciated, dominately PS_2 foliated, light to locally dark grey, calcareous phyllite. S_2 surfaces range from medium → dark steel grey. Becomes darker moving ↓ unit. Bottom 1.0' incipiently brecciated against qtz vein
						TOI → 114.0 ῡ broken, incipiently brecciated along X-cutting fractures. Fractures steeper than S_2 ῡ 000/30° not S_2. very good.
						114.0 → EOI, breccia and veg. qtz fragments. recvy good
	1 1 1 4 8	1 1 2 0 > (36 7)		15	15D10	(SAO) 95:5.
						Dominate unit is mod⁻ soft, calcareous, pale olive green, thinly PS_2 laminated chloritic phyllite. Margin ῡ hisher SB and lower SA sharp 11 to S_2. Contains abundant calcite in thin bands and X-cutting thin fractures. S_2 disrupted due to abundant thin fractures. S_2 surfaces are dull pale green. Top 0.6' of unit is brecciated veg⁻ qtz vein.
						Contains local minor foliated thin bands of black, calcareous, carbonaceous phyllite. Margins of bands slightly brecciated. Bands range from 2-5 cm thick at intervals of approx 2'.
						TOI - 117.5 ῡ broken along fractures 0.8' core loss
						117.5 - EOI ῡ broken, very good.
	1 1 2 1 0 3	1 1 2 1 6 6 (38 6)		16	15A10	
						Mod⁻ soft, black, highly fractured, ῡ calcareous, carbonaceous phyllite. S_2 surfaces carbon black - strongly marks fingers

DDH B.9.G-0.B.
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: JULY 13/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Unit is CS_2 foliated - defined by abundant white qtz-calcite lithons. Calcite also occurs in filling abundant thin X-cutting fractures. Margins of SA sharp // to S_2.
						TOI – 122.8 v broken along fractures // S_2 recy good.
						122.8 – EOI v broken, recy good.
	11 12 6 6	11 13 14 8 (4 1 1)		17	15 B 10	I 7 I 2 (SDO ± $) 70:30
						Mixed unit, alternating bands of pale green chloritic phyllite, and light grey v local chl laminations, locally mod carbonaceous phyllite.
						TOI → 127.3 mod soft, pale green, calcareous, dolomitic, thinly PS_2 laminated chloritic phyllite. Dol + calcite in thin bands // to S_2 + X cutting thin fractures. Margins of band brecciated.
						127.3 – 127.5 dark grey, calcareous, mod carbonaceous phyllite band, margins // to S_2.
						127.5 – 133.0, V calcareous, light grey v abundant thin anast. wavy chl laminations, mod chl phyllite. S_2 surfaces dark grey v local chl. clots. Contains abundant thin fractures infilled v white calcite.
						133.2 → 133.3 medium → dark grey, calcareous, PS_2 laminated, moderately carbonaceous phyllite. Margins // to S_2.
						133.5 → EOI Pale green, v calcareous, thinly PS_2 laminated, mod soft chl phyllite. Top contact v SB slightly brecciated bottom contact sharp // to S_2.
						Unit mod broken, recy good.

C.R.I. 1987 E-3A

DDH B.9.G.-.0.B. (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 13/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	1 1 2 1 4 8	1 1 4 1 7 43.2		18	1 5 B 1 0 1 2	
						CS_2 foliated, mod soft, medium to dark grey, v calcareous, m carbonaceous phyllite. S_2 surfaces medium grey to locally black. Carbon decreases moving down interval. Abundant calcite occurs in thin white bands v m qtz + infilling steep fractures.
						TOI - 137.0 v broken along steep fractures. Recy good.
						137.0 - 140.7 f broken on S_2. Recy good.
						140.7 - EOI v broken along steep fracture. Recy good.
	1 1 4 1 7	1 1 5 1 3 0 46.6		19	1 5 B 1 7 8	[SD Field] (SBO) 95:5
						Light green-grey, mod soft locally CS_2 foliated, v calcareous chl > musc phyllite. S_2 surfaces dk grey-grey. Abundant thin white qtz + calcite bands + laminae define S_2 + microlithons define S_1
						Contains local thin intervals of medium grey, PS2 foliated, calcareous, slightly carbonaceous phyllite. Margins v chl phyllite sharp // to S_2. Bands range from 5 to 10 cm thick.
						Core m broken, recy good.
	1 1 5 1 3 0	1 1 7 1 3 0 52.7		110	1 5 B D R 2	(SDO) 98:2
						Medium → dark grey, CS_2 foliated, v calcareous, moderately carbonaceous phyllite. S_2 surfaces shiny dark grey. Contains abundant thin qtz + calcite litmons and bands defining S_1 + S_2. 160.0 - 161.0 incipiently brecciated and gouged.
						S_2 surfaces only slightly mark fingered.

DDH 89G-08 2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: July 13/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contains abundant thin late x-cutting fractures infilled v. v. calcite.
						Contact at 174.5 is highly fractured, calcareous, thinly PS2 foliated chloritic phyllite.
						TOT - 158.4 v. broken very good
						158.4 - 161.0 flakey gouge + breccia 1.0' rec'd. Likely not a significant fault
						161.0 - 165.5 "poker chippy" recvy 0.5
						165.5 - 168.5 incipient flakey gouge + brec 0.9' rec'd.
						168.5 - EOT v. broken along S2 very good
	11713 0	11715 8 (5 3 6)		111	15DP	
						Pale green, thinly PS2 laminated, v. calcareous, chloritic phyllite. S2 surfaces light green - grey. Contains abundant thin qtz + calcite bands, generally < 3mm aligned // to S2. Top + bottom contacts sharp, // to S2.
						Core mod broken along S2. Very good.
	11715 8	11812 5 (5 5 6)		112	15AP	(SDO) 95:5
						Dominate unit is dark grey - black, v. calcareous, carbonaceous phyllite. Unit is mod soft. S2 surfaces shiny black + marked fingers. Contains abundant thin white calcite + qtz siltstone bands and laminae which locally define lithons.
						Contact at 178.7 is light green, thinly PS2 banded + laminated, v. calcareous, chl phyllite. Margins sharp // to S2.

DDH 89G-08
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: JULY 13/89 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core mod^ broken, very good
	1182.5	56-8 1186.5		13	15010	(5802) 98:2.
						Dominate unit is mod^ soft, ± calcareous, PS, banded chloritic phyllite. S_2 present as weakly developed crenulation cleavage. S_1 defined by abundant white-grey calcite + qtz bands. Quartz + calcite bands define M region.
						Unit contains 3 thin bands of medium-dark grey, calcareous, carbonaceous phyllite. Bands are approx 3cm thick, margins sharp // to S_2.
						Contact at 187.4 is 4" thick steep, X-cutting pegmatitic qtz vein
						Core mod^ broken - very broken at margins of qtz vein very good.
	1186.5	63.1 1207.1		14	15101	
						Mod^ soft CS_2 foliated dark grey → black, calcareous, dolomitic, carbonaceous phyllite. S_2 surfaces black & mark fingers. Thin qtz-calcite ± dolomite bands & laminations define both S_1 & S_2. Contains abundant white-grey qtz-calcite lithons.
						Top 10.4' of interval contains abundant thin broken & brecciated pegmatitic qtz veins. Veins generally, < 5cm thick. Veins have local thin pale green chl selvages.
						Local poor development of CS_2 crenulation cleavage in thin intervals. S_2 appears to trend // to core axis

C.R.I. 1987 E-3A

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CURRAGH RESOURCES INC.

Lithologic Log

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Date: July 13/89. Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI – 199.0 mod broken, recy good.
						199.0 – EOT very broken along S_2 + steep fractures, recy good.
	2017	2114 (6 5 3)		115	5C4	"Zebra Rock"
						Mod soft → soft, olive green + white-tan striped, dolomitic, ankeritic? altered metabasite. Unit is PS_2 foliated. Contains
						abundant pale olive green thin chl laminations defining S_2.
						S_2 surfaces are dull mottled white-grey + green. Groundmass appears
						to be dol, ankerite, minor calcite + qtz.
						Top contact w phyllite is brecciated, bottom contact w
						sulphides is sharp // to S_2. Core mod broken, recy good.
	2114	2117 (6 6 3)		116	4E1	± $ minor (4D4) (5A6) 38:60:2
						TOI → 215.4 is v hard poorly banded, siliceous, semi-
						massive pyrite + pyrrhotite sulphide. Est % P_y ≈ 60%,
						Est % P_o ≈ 15% Est % qtz 20% remaining is sph +
						Gal, minor local dol "clasts." Top 4" of unit contain
						thin micaceous + dolomitic bands approx ½ cm thick aligned
						// to S_2. Unit grades gradually into high grade gtzite.
						215.4 → EOT v hard sphalerite "flooded" well banded,
						noncalcareous gtzite. Contains abundant red-brown sph in
						banded diffuse bands // to S_2. Contains only minor
						P_y. Bottom 6" of unit contains local, thin intervals
						of thinly laminated, black, mod soft carbonaceous phyllite.
						Difficult to tell wether these are brecciated clasts
						or disrupted thin bands. Margins of 5A intervals

C.R.I. 1987 E-3A

DDH BGG-08
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 2nd 13/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						are both // to S_2 and X-cut S_2.
						Est Pb+Zn for 4D is 20%. Almost all zinc. % P_y < 2%.
						Core ~ broken, recy good.
	12117 6	12119 5 (66 9)		117	15A16	9
						Mod soft PS2 laminated, noncalcareous carbonaceous phyllite. S_2 surfaces shiny black - slightly mark fingers. Contains local thin bands of qtz ± sph aligned // to S_2. Est % Pb+Zn 1-2%.
						Core ~ broken along S_2, recy good.
						Margins w/ $S^=$ lithofacies are sharp // to S_2.
	12119 5	12131 1 5 (90 6)		118	14D10	± 5 minor.
						~ hard, thinly banded, locally slightly carbonaceous qtzite. Banding defined by diffuse P_y ± sph ± minor gal. Locally sph > gal. Banding is only 10-12% of rock volume. Contains local minor thin black carbonaceous folia. $S^=$ banding semi-vaguely aligned // to S_2.
						Est % P_y ≈ 8%. Est Pb+Zn 4-6%. Minorly sph.
						Core moderately broken along X-cutting fractures. Recy good.
	12131 5	12137 0 (72 2)		119	14A10	± 4
						~ hard, CS_2 foliated, ribbon banded carbonaceous qtzite. S_2 surfaces black & matte fingers. $S^=$ banding is thin ± diffuse - defines both S_1 & S_2. Sph approx subequal to P_y. Locally Sph > P_y. Banding is approx 12% of unit volume.

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CURRAGH RESOURCES INC.

Lithologic Log

Date: Dec 13/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Est % Pb+Zn ranges from 3-8%. Entire interval is 4%.
						TOI - 233.0 core is broken, recvy good.
						233.0 - EOI v broken along steep fractures.
						± 5 minor
	213 7 0	217 11 8 / 8 2 8			210	4C 10 "MICACEOUS" ^ → [4DO "micaceous" ± 5 minor]
						Grade is fence sitting between 4C & 4D. Unit is mod-
						hard to hard, v micaceous, thinly ribbon banded qtzite. Ribbon
						banding is poorly developed, defines S_1 & S_2 and consists of
						diffuse sph, py & traces of gal. Banding is thin, generally
						< 3-4mm. Banding ranges from 5 - 12% of unit volume.
						Mica content increases moving down the interval. Core breaks
						easily along this foliation. Overall colour is light white -
						grey. Contains abundant white grey lithons defined by qtz ± minor
						sph ± minor spk.
						Est Pb+Zn 4-6%.
						TOI → 249.8 ṽ broken recvy good.
						249.8 → 255.7 m̄ " along steep fractures, minor gouge along fracture
						at 250.5. 255.7 to 257.7 ṽ broken along S_2
						257.7-262.0 v̄ broken along steep fractures.
						262.0-267.0 m̄ broken along S_2
						267.0 → EOI ṽ broken.
						Recvy O.K for entire interval.

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 14/89 Logged By: CWR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12711 8	86.7 12815 1			15A1619	
						Mod soft CS2 foliated, black carbonaceous phyllite. Unit is noncalcareous, S2 surfaces carbon black, marks fingers.
						Contains abundant thin light-grey qtz silstone bands + laminae defining S1 + S2. Bands contain local minor ps + cph.
						70I → 272.0 flakey, black carbonaceous gouge.
						272.0 → 281.7 mod broken along S2 and local thin fractures.
						Local development of thin gouge along fractures very O.K.
						287.1 → EOI s broken along S2. very good.
						Est % S = 3-4%. Est % Spl 1-2%. No sal.
	12815 1	91.9 13101 6			15B16	2weak ± $ minor
						Medium-dark grey, mod soft, noncalcareous, CS2 foliated, mus c phyllite. S2 surfaces shiny dark steel grey-only slightly mark fingers. Contains abundant thin qtz ± dol silstone bands + laminae. These laminae locally define lithons.
						Core slightly broken, very good.
	BP1 6	97.5 13210 9			15A1611	9 ± $
						Black, mod soft → hard, CS2 foliated, siliceous, carbonaceous phyllite. Qtz sulphide ribbon banding beginning to develope.
						Banding contains local minor diss sph. Bands commonly define lithons. S2 surfaces black-mark fingers. Unit mod hard due to abundant thin qtz bands. Banding 30-40% of
						unit. Unit not hard enough & qtz sulphide bands not

DDH B-9-G-08

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 14/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						developed enough to call this unit 4A. Local interstitial dol in qtz bands. Unit most broken along Sz, very good.
						Qtz rich bands increase moving down unit.
	13 12 09	98.4 13 12 R 8			14 C 13	5 "micaceous"
						Mod hard, thickly PSz banded, mod carbonaceous qtzite. Banding defines Sz, up to 4 cm thick, consists of subequal py + qtz traces of sph + gal. Banding 50% of unit. Margins of qtzite sharp, // to Sz. Contains local abundant carbonaceous mica foliations.
						Est % py ≈ 20-25%
						Est % Pb+Zn 1-2%
						Core broken, very good.
	13 R 12 8	100.4 13 12 19 5			5 A 16 11 9	±5
						Same as unit #4. Local incipient foliated incipient zone from 324.7 → 324.9. Rest of interval most broken along Sz, very good.
	13 12 19 5	102.1 13 13 15 1			14 D 10	"chloritic"
						Medium grade, mod hard, CSz foliated qtz-sulphide banded qtzite. Contains abundant paper thin mica + chl laminations defining Sz + local lithons. Banding defined by dominate py, interstitial qtz and lesser sph + gal.
						Banding ≈ 25% of rock volume. Est % Pb+Zn 6-8%, dominately sph.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: July 14/89 Logged By: CUR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core mod broken, very good
	13 B 15 1	104.5 13 14 12 9			14 L 12 14	"stringered"
						white-grey, mod soft, locally CSz foliated, altered musc > chl phyllite. Contains abundant thin py + gal + sph + qtz stringers + thin bands. Bands locally define lithons. Est % Py 5-6%. Est % Sph + Gal ≈ 2%. Sz surfaces mottled light white-grey + green.
						TOI → 334.6 flaky, cream-white gouge very O.K
						334.6 → EOI core mod broken, very O.K.
	13 14 12 9	106.8 13 15 10 6			15 C 14	# (4L624) 60:40
						~ mixed unit. Dominate unit is ~ calcareous pale green + tan white striped, mod soft altered metabasite. Metabasite bands range from 5 - 20 cm thick.
						Interbanded ~ this unit is light green-grey, non calcareous, qtz-sulphide stringered altered musc + chl phyllite. Sulphides ≈ 5% of unit. Est Py + Zn for 4L ≈ 2%?
						TOI - 347.0 ~ broken, very good
						347.0 → EOI ~ broken, very good.
	13 15 10 6	108.3 13 15 15 2			5 B 16 12 9	± 5 minor → [5A69]
						Mod soft, PSz foliated, dark grey, moderately carbonaceous, phyllite. Sz surface dark shiny grey. Unit is non calcareous. Contains local qtz ± dol ± py + traces of sph in thin bands // to Sz. Core mod broken along Sz. Very good.

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CURRAGH RESOURCES INC.
Lithologic Log

Date: July 14/89 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	13515 2	13610 97			14L16	GOUGE + Bxa (5B26 GOUGE + BxA)
						TOI → 357.1 soft light green-grey flakey phyllite gouge.
						Top contact 270/32° wrt S_2. Gouge contains fragments of
						5B2 and 4L. Bottom contact of gouge // to S_2. Recov 0.K.
						357.1 → 358.1 Pale green-grey, aphanitic, locally brecciated
						chl > musc phyllite, v broken, recov good.
						358.1 → EOI highly broken, mod soft, noncalcareous medium →
						dark grey phyllite Bxca & Gouge. Top contact 000/30° wrt S_2.
						Bottom contact brecciated & gouged against highly broken pegg.
						qtz vein. Core v broken w local gouge & bxca. Recov 0.K.
	13610 0	13626 16			14H10	± 4 (4D0) (5D68) 70:20:10
						Dominate unit is highly broken & fractured, v hard,
						dark grey, moderately carbonaceous ribbon banded qtzite. Ribbon
						banding is thin & diffuse defined by py≈sph and interstitial
						qtz. Est % Pb+Zn ranges from 2-8%. S_2 surfaces black &
						mark fingers.
						363.8 → 364.8 is pale olive greeny, dolomitic, thinly
						PS_2 laminated chloritic phyllite. Bottom contact sharp // to
						S_2. Top contact is 3" thick light grey mud gouge.
						Top and bottom 8" selvage to this chl phyllite is
						4D0. Carbon folia bleached out. Est grade ≈ 5-6%. Texture
						same as 4A except carbon folia absent.
						TOI - 360.5 highly broken white psammitic qtz vein, recov 0.K
						360.5 - 364.8 v broken along S_2 & fractures, recov 0.K
						364.8 - 365.1 - soft light grey mud gouge. Margin of gouge

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CURRAGH RESOURCES INC.
Lithologic Log

Date: July 14/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						// to S_2
						365.1 → EOI V broken along S_2 and steep fractures.
	13619 4	13731			4A	Bx A. + GOUGE.
						Highly broken + fractured, black, carbonaceous qtzite breccia + GOUGE.
						Clasts are angular, some rotated range in size < 1mm to several cm's.
						Top contact // to S_2. Bottom contact lost in rubble.
						Core is rubble + gouge. Very O.T. - No grade.
	13717 1	13818 3			15D16 4A	(4A4)
						Dominant unit is thinly PS_2 laminated, dolomitic, pale tan-green, noncalcareous chloritic phyllite. S_2 surfaces are dull tan green. Contains local thin coarse qtz bands which are likely later ~~fracture fills~~. (later cofail form.) Interbanded w unit in intervals ranging fr 2" to 2'. Is dk grey to blk very hard qtz. $S^=$ ribbon banded carbonaceous qtzite. Ribbon banding def'n by dominant red brown Sph. Interstial grey qtz & lesser Py. Bands less than ½cm defining S_2. Margins of bands sharp // to S_2. Bands occur at 377.8 to 378.1 ft., 381.3 to 382.8 ft. 384.6 to 385.1 ft., 386.1 to 386.2 ft. Repitition of 4A doesn't appear to be fold related. Est Pb+Zn for 4A is 8-10% dominantly Sph. TOI to 378.2 is very broken along S_2 & X-cutting fractures. Recovery is good. 378.2 to EOI core is moderately broken

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CURRAGH RESOURCES INC.

Lithologic Log

Date: July 15/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	3988.1					along S_2. Recovery is good.
	3818 1	4016 5			14A14	(4DO) 80:20
						Unit is moderately hard to V hard. Dk grey to locally light grey. Locally CS_2 foliated. Dominantly carbonaceous ribbon banded qtzite. Ribbon banding is thin & diffuse & defines S_1 & S_2. Bands contain dominant Red-Brown Sph, Lesser Py & interstial qtz. Bands less than ½ cm thick. Lithons locally def'nd by thin micaceous laminations & qtz '$S^=$' bands. Bands are approx 15% of unit volume. Est grade ranges from 6-10%, Sph is dominant. Locally in thin intervals carbonaceous foli are absent. Intervals of 4D range fr 8" to foot & ½. Appear to be randomly distributed.
						TOI - 407.6 core intact, recovery good.
						407.6 - 409.2 very broken, local breccia & incipient gouge along fractures, recovery good.
						409.2 - 392.7 moderately broken, local fractures, recovery good.
						392.7 - 398.1 core slightly broken, recovery good.
						398.1 - 400.5 Core is rubble due to steep fracture. Recovery is good.
						400.5 - 403.8 slightly broken, recovery good
						403.8 405.2 core is very broken recovery good

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CURRAGH RESOURCES INC.

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Date: July 15/89 Logged By: CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						405.2 - EOI core moderately broken along S_2. recovery is good.
	4016.5	4026.9			5186	2 weak. ± $ minor
						CS_2 foliated, med to dk grey. Weakly carbonaceous. Moderately soft musc phyllite. S_2 surfaces are shiny dk steel grey. Contains abundant micro-lithon structures defined by micaceous folia & siltstone laminae. locally qtz. siltstone laminae & bands contain interstial dol. Top contact w/ 4A. is sharp & // to S_2.
						TOI - 407.9 v broken due to fracturing & brecciated thin pegmatitic qtz vein
						407.9 - 414.6 core is mod broken along S_2 & X-cutting fractures. Recovery good.
						414.6 - EOI v broken, locally brecciated, minor incipient gouge along fractures.
	4116.4	4213.1			5186	2 weak (100)(4L-Chalk.) 70:25:05
						Highly broken & fractured. Med to dk grey non calcareous weakly carboraceous phyllite same as unit above. Contains 4 fractured & pegmatitic qtz veins. At regular intervals. Veins range from 6" to foot. Margins of vein are brecciated.

DDH 89-6-08
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 15/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						420.5 - 420.9 - highly altered & very soft, white powdery chalk. Margin of chalk band is brecciated. Chalk contains fragments of pegmatitic qtz. fragments less than 2cm apart. Unit is a homogeneous chalk white.
						TOI - 420.4 Core is V broken. due to fracturing. Recovery is good.
						420.4 - 420.9 Powdery white chalk breccia. Recovery is good.
						420.9 - EOI. Rubble. due to highly brecciated qtz vein Recovery is good.
	14213 1	14314 30 (1 3 2 3)			15B12	6 ±9 ± $ minor (5B @ $) 98:02
						Dominant unit is dk grey, moderately carbonaceous mod soft, CS_2 foliated. Musc phyllite. S_2 surfaces are dk steel grey.
						From 425.5 - 426.7 unit contains local thin diffuse Sph 7 ± galena. interstial qtz bands. Bands appear to trend along thin cafolio form fractures. Win this interval Pb+Zn is approx 3-4% Local micro lithons defind by local qtz-siltstone laminae. Laminae contains local - interstial dol.
						429.3 - 429.6 Thinly PS_2 laminated, light tan-green, moderately soft, dolomitic - ankeritic

4

DDH 89G-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 15/89 Logged By: CVR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						chloritic phyllite. Margins of band // to S_2.
						TOI - 424.3 - V broken along steep fracture.
						424.3 - 429.6 - core is mod broken
						429.6 - 430.2 - V broken & incipiently breccated along fractures. Recovery is good.
						430.2 - EOH core is mod broken along S_2. Recovery is good.
						— EOH —

DDH 89-68 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: July 10/89 Logged By: A. Rezvik

Code	From (m)	To (m)	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	
	111 9	PS12	-		T T	514		compositional banding & micaceous foliations present.
	118 3	CS12	S		312 29 H	710		" " " "
	123 2	CS12	Z		314 2518	718		" " " "
	128 8	PS12	-		T T	711		" " " "
	130 5	CS12	S		35 28 H	711		" " " "
	141 8	PS12	-		T T	608		" " " "
	147 2	PS12	-		T T	812		Fold nose present in interval.
	154 7	CS12	S		312 3310	614		compositional banding & micaceous foliations present.
	155 3	CS12	M		15 3310	619		" " " "
	161 2	CS12	S		18 0101	618		" " " "
	166 8	CS12	S		311 3117	665		" " " "
	171 1	PS12	-		T T	716		S_2 defined by Sph & Ay banding.
	178 3	PS12	-		T T	619		micaceous fltns & compostnl banding present. S_2 defined by Sph banding
	184 7	CS12	M		17 2913	719		Fold nose present in interval micaceous fltns present.
	189 6	CS12	S		27 3127	711		Fold nose present in interval micaceous fltns & compostnl banding present.
	197 4	CS12	S		23 3011	616		micaceous fltns & compostnl banding present.
	1101 2	PS12	-		T T	713		chlorite banding defines S_2 compostnl " also present.
	1107 6	PS12	-		T T	614		micaceous fltns & compostnl banding present.
	1115 5	PS12	-		T T	618		" " "
	1121 0	CS12	Z		29 2116	712		" S_2 defined by Sph banding
	1126 9	CS12	Z		27 1811	613		micaceous fltns & compostnl banding present.
	1129 7	CS12	S		210 3139	715		" "
	1132 3	PS12	-		T T	715		" " "
					E10 H			

To be converted to m.

PROJECT _____ DRILLHOLE NO. 89-G-08 COORDINATES: N _____ DATE 9 JUL 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGER K. ROBERTS 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		(m) depth (to)	COMMENTS	(m) length of Run
		LENGTH	(m) length	LENGTH	(m) length		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.			
15		3.0	.9	0.35			6		E						1		4.6		
18	3.0	3.0	.9	0	0		6		E						1		5.5		.9
25	7.0	7.0	2.1	0	0		6		E						2		7.6		2.1
30.5	5.5	3.8	1.2	0	0		6		E						1		9.3		1.7
35	4.5	4.2	1.3	0.35	.1		7		E						1		10.7		1.4
39.5	4.5	4.5	1.4	0.85	.3		9		E						1		12.0		1.4
42.5	3.0	3.0	.9	0	0		6		E						0		12.9		.9
47	4.5	2.9	.9	0	0		6		E						1		14.3		1.4
54	7.0	4.8	1.5	0	0		6		E						0		16.4		2.1
61	7.0	3.8	1.2	0	0		6		E						2		18.6		2.1
64	3.0	2.9	.9	0.40	.1		7		E						0		19.5		.9
66.5	2.5	1.6	.5	0	0		7		E						1		20.3		.8
71	4.5	4.2	1.3	0	0		7		E						2		21.6		1.4
81	10.0	10.0	3.0	2.75	.8		9		E						1		24.7		3.0
87	6.0	6.0	1.8	0.35	.1		9		E						2		26.5		1.8
97	10.0	10.0	3.0	3.70	1.1		10		E						2		29.6		3.0
104	7.0	6.9	2.1	0.80	.2		9		E						1		31.7		2.1
114	10.0	8.7	2.7	1.3	.4		7		E						3		34.7		3.0
117.5	3.5	3.3	1.0	1.2	.4		10		E						1		35.8		1.1
125	7.5	7.5	2.3	2.0	.6		10		E						1		38.1		2.3
134	9.0	8.0	2.4	3.75	1.1		10		E						1		40.8		2.7
137	3.0	3.0	.9	0.35	.1		7		E						1		41.8		.9
145	8.0	8.0	2.4	1.55	.5		9		E						1		44.2		2.4
155	10.0	10.0	3.0	0.80	.2		7		E						2		47.2		3.0
161	6.0	4.1	1.2	0	0		7		E						1		49.1		1.8
165.5	4.5	4.5	1.4	0	0		6		E						2		50.4		1.4
168	2.5	2.0	.6	0	0		3		E						1		51.2		.8
173	5.0	4.3	1.3	0	0		6		E						2		52.7		1.5
179.5	6.5	6.5	2.0	0	0		7		E						1		54.7		2.0

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-08 COORDINATES: N _____ DATE 9 JUL 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 3

LOGGER K. ROBERTS 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		(m) depth (To)	COMMENTS	(m) length of run
		LENGTH	length (m)	LENGTH	length (m)		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.			
187	7.5	7.5	2.3	2.35	.7		9		E						2		56.9		2.3
197	10.0	10.0	3	1.25	.3		9		E						1		60.0		3
204	7.0	7.0	2.1	0.40	.1		7		E						2		62.2		2.1
209.5	5.5	5.3	1.6	0.45	.14		9		E						2		63.9		1.7
215	5.5	5.1	1.6	2.80	.8		10		E						0		65.5		1.7
223	8.0	8.0	2.4	3.15	1.0		9		E						2		67.9		2.4
231	8.0	7.9	2.4	4.05	1.2		12		E						2		70.4		2.4
235.5	4.5	4.5	1.4	1.00	.3		9		E						2		71.8		1.4
239	4.5	4.1	1.2	0.85	.3		9		E						3		72.8		1.4
249	10.0	10.0	3	4.95	1.5		10		E						1		75.9		3
257	8.0	8.0	2.4	3.35	1.02		9		E						5		78.3		2.4
262	5.0	5.0	1.5	0.00	0		6		E						2		79.8		1.5
272	10.0	10.0	3	1.82	.6		8		E						4		82.9		3
277	5.0	5.0	1.5	0.00	0		8		E						1		84.4		1.5
287	16.0	10.0	3	3.10	.9		10		E						1		87.5		3
297	10.0	10.0	3	3.15	1.0		10		E						0		90.5		3
307	10.0	10.0	3	1.25	.4		7		E						2		93.6		3
317	10.0	9.6	2.9	1.45	.4		7		E						1		96.6		3
327	10.0	10.0	3	4.30	1.3		9		E						1		99.7		3
337	10.0	9.9	3.0	2.95	.9		8		E						2		102.7		3
347	10.0	10.0	3	3.30	1.0		8		E						2		105.8		3
357	10.0	10.0	3	1.25	.4		7		E						1		108.8		3
361	4.0	4.0	1.2	0.00	0		2		E						1		110.0		1.2
367	6.0	3.7	1.0	0.00	0		1		E						3		111.9		1.03
371	4.0	3.8	1.2	0.00	0		6		E						2		113.1		1.15
377	6.0	6.0	1.8	1.35	.1		7		E						4		114.9		1.8
387	10.0	10.0	3	3.50	1.1		10		E						3		117.9		3
394	7.0	6.8	2.1	1.15	.4		7		E						3		120.1		2.1
404	10.0	10.0	3	3.90	1.2		10		E						2		123.1		3

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-08 COORDINATES: N _____ DATE 9 JUL 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 3

LOGGER K. ROBERTS 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		(m) depth (to) COMMENTS	(m) length of run
		LENGTH	length (m)	LENGTH	length (m)		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.		
410	6.0	6.0	1.8	1.15	.4		9		E.						0		124.9	1.8
420	10.0	10.0	3	0.45	.1		7		E						4		128.0	3
423.5	3.5	3.2	1.0	0.00	0		2		E						0		129.0	1.1
431	7.5	7.5	2.2	0.35	.1		7		E						3		131.4	2.3
434	3.0	2.9	.9	0.70	.2		7		E						1		132.2	.9
						— end of hole —												

Fig. 1. Typical rock mechanics core log.

DDH B89-08 (2 of 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by WR

ASSAY LOG (SAMPLER'S COPY) Date JULY 15/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 04	16 65.20	22 0 26	28 65.39	32 34	36 WASTE 40	42
	65 3	65 6					
	121 14 1	121 15 4	41/1811 9	1 1 3	1.4 1 1 2	4 1 E 1 1 7 1	
	121 15 4	121 17 6	41/1820	1 2 2	1.6 1 2 0	4 1 D 1 4 1 1	(SAG) minor
	121 17 6	121 19 5	41/1821	1 1 9	1.6 1 1 9	5 1 A 1 6 1 9 1	
	121 19 5	121 21 2 5	41/1822	1 3 0	1.9 1 3 0	4 1 C 1 0 1 1	5 minor
	121 21 2 5	121 21 7 0	41/1823	1 4 5	1.4 1 4 5	4 1 C 1 0 1 1	" " minerals "
	121 21 7 0	121 31 1 5	41/1824	1 4 5	1.4 1 4 5	4 1 C 1 0 1 1	" "
	121 31 1 5	121 31 7 0	41/1825	1 5 5	1.6 1 5 3	4 1 C 1 0 1 1	" "
	121 31 7 0	121 41 0 4	41/1826	1 3 4	1.0 1 3 4	4 1 C 1 0 1 1	" "
	121 41 0 4	121 41 4 5	41/1827	1 4 1	1.2 1 4 1	4 1 C 1 0 1 1	" "
	121 41 4 5	121 41 9 0	41/1828	1 4 5	1.4 1 4 5	4 1 C 1 0 1 1	" "
	121 41 9 0	121 51 3 4	41/1829	1 4 4	1.2 1 4 1	4 1 C 1 0 1 1	" "
	121 51 3 4	121 51 7 7	41/1830	1 4 3	1.3 1 4 3	4 1 C 1 0 1 1	" "
	121 51 7 7	121 61 2 0	41/1831	1 4 3	1.3 1 4 3	4 1 C 1 0 1 1	" "
	121 61 2 0	121 61 7 0	41/1832	1 5 0	1.5 1 5 0	4 1 C 1 0 1 1	" "
	121 61 7 0	121 71 8 8	41/1833	1 4 8	1.5 1 4 8	4 1 C 1 0 1 1	" "
	1 10 7.8	1 19 7.8	— 0 —	15.0	—	WASTE	
	97 8	98 4			0.5		
	132 10 9	132 12 8	41/1834	1 1 9	1 1 7	4 1 C 1 3 1 5 1	
	132 R 8	132 19 5 100 4	41/1835	1 6 7	2.0 1 6 7	5 1 A 1 6 1 1 9	± 8
	132 19 5	133 15 1 102 1	41/1836	1 5 6	1.6 1 5 4	4 1 D 1 0 1 1	"chlorite"
	133 15 1	133 19 0 103 3	41/1837	1 3 9	1.2 1 3 9	4 1 L 1 2 1 4 1	"stringered"
	133 19 0	134 12 9 104 5	41/1838	1 3 9	1.2 1 3 9	4 1 L 1 2 1 4 1	"STRINGERED"
	1 10 4.5	1 10 9.7	— 0 —	5.2	—	WASTE	4.4
	109 7	110 9					5
	136 D 0	136 13 8	41/1839	1 3 8	1.1 1 3 7	4 1 A 1 0 1 1	± 4
	136 13 8	136 14 8 111 2	41/1840	1 1 0	.3 1 1 0	5 1 D 1 6 1 1	5
	136 14 8	136 19 4 112 6	41/1841	1 4 6	1.4 1 4 6	4 1 A 1 4 1 1	(4DO) minor
	136 19 4	137 11 1 113 1	41/1842	1 1 7	0.5 1 1 7	4 1 A 1 1 1	Breccia + Gouge
	137 11 1	138 11 3 116 2	41/1843	1 0 2	3.1 1 0 2	5 1 D 1 6 1 1	(4A4) trace
	138 11 3	138 12 8 116 7	41/1844	1 1 5	1.4 1 1 5	4 1 A 1 4 1 1	
	138 12 8	138 18 1 118 3	41/1845	1 5 3	1.6 1 5 2	5 1 D 1 6 1 1	(4A4) trace.
	138 18 1	139 13 1 119 8	41/1846	1 5 0	1.5 1 5 0	4 A 1 4 1 1	(4DO) 50:50
	139 13 1	139 17 5 121 2	41/1847	1 4 4	1.3 1 4 4	4 1 A 1 4 1 1	(4DO) 70:30
	139 17 5	141 01 2 122 7	41/1848	1 5 1	1.5 1 5 1	4 1 A 1 4 1 1	(4DO) 80:20
	141 01 2 6	141 01 6 123 9	41/1849	1 3 9	1.2 1 3 9	4 1 A 1 4 1 1	(4DO) 80:20
	1 23.9	1 37.3	— 0 —	8.1	—	WASTE	
		EOH					

C.R.I. 1987 E-5

DDH 89G-08 (2 8) metres

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 17 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	10.0	13.7	NIP					TRICONED – NO RECOVERY
	13.7	15.9	31B1					
	15.9	17.6	R1 1	3				
	17.6	21.08	J12B					
	21.08	21.1	RIGt					
	21.1	31.4	21B1					
	31.4	31.7	R1 1					
	31.7	33.3	21B1					
	33.3	34.7	X13B			310 0010		
	34.7	35.0	X1Q1					
	35.0	35.8	J13B					
	35.8	36.7	11B1					
	36.7	37.4	J13B					
	37.4	41.1	21B1					
	41.1	41.8	J13B					
	41.8	42.9	11B1					
	42.9	43.2	J13B					
	43.2	46.6	21B1					
	46.6	48.3	31B1					
	48.3	49.1	21X1G	3				
	49.1	51.04	T1 1					
	51.04	51.4	11X1G					
	51.4	51.27	31B1					
	51.27	61.07	21B1					
	61.07	61.31	J13B					
	61.31	61.53	21B1					
	61.53	61.63	11B1					
	61.63	61.69	31B1					
	61.69	71.06	J12B					
	71.06	71.10	21B1					
	71.10	71.22	J13B					
	71.22	71.61	11B1					
	71.61	71.78	J12B					
	71.78	71.85	11B1					
	71.85	71.99	J13B					
	71.99	81.14	21B1					

DDH 89G-08 (2 8) metres

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: 18 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct		INTERNAL Dip Direct.		LOWER Dip Direct		Description
1	10 14	16 20	22 24	26	28	32	34	38	40	44	
	1811.4	1812.8	/1B1								
	1812.8	1812.9	/1GT								
	1812.9	1815.9	J12IB								
	1815.9	1911.9	/1B1								
	1911.9	1917.8	2IB1								
	1917.8	1918.4	/1B1								
	1918.4	1/104.5	2IB1								
	1/104.5	1/105.8	/1B1								
	1/105.8	1/108.3	2IB1								
	1/198.3	1/108.8	G1		310	2710					
	1/108.8	1/109.1	X13B								
	1/109.1	1/109.7	X1G1B		310	0100					
	1/109.7	1/112.6	31BJ								
	1/112.6	1/113.1	G1RIX								
	1/113.1	1/115.3	J13B								
	1/115.3	1/118.3	2IB1								
	1/118.6	1/119.7	2IB1								
	1/119.7	1/121.3	11B1								
	1/121.3	1/121.1	J1R								
	1/121.1	1/121.3	/1B1								
	1/121.3	1/121.5	31B1								
	1/121.5	1/121.9	2IB1								
	1/121.9	1/121.3	J13B								
	1/121.3	1/121.6.4	J12B								
	1/121.6.4	1/121.6.9	X13B								
	1/121.6.9	1/121.8.2	J13B								
	1/121.8.2	1/121.8.3	X1								
	1/121.8.3	1/121.9.0	Q1X1R								
	1/121.9.0	1/121.9.3	J13B								
	1/121.9.3	1/131.0.9	2IB1								
	1/131.0.9	1/131.1	J13B								
	1/131.1	1/131.2.3	2IB								
											EOH = 132.3

No.

NAME
NOM 89 G-09

DDH 89G-09 (2 8) CURRAGH RESOURCES INC. Page ___ of ___

Logged by CLR

ASSAY LOG (SAMPLER'S COPY) Date JULY 7/89 Sampled by ___

FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1216.70	1217.30	41181510		1.6 152	141A10	
1217.30	1219.12	41191011		1.6 153	15D141*	
1219.12	1218.20	41191012		.9 129	141A101	± 4
1218.20	1218.54	41191013		1.0 134	141A101	± 4
1218.54	1218.80	41191014		.9 129	15D141*	
1218.80	1219.20	41191015		1.1 137	141D141	5 week
1219.20	1219.54	41191016		1.0 133	141A101	± 4 (5D4*) minor
1219.54	1PPP.78	41191017		1.2 140	141A101	± 4
1310.08	1310.46	41191018		1.4 145	141D101	± 5 week
1310.46	1310.72	41191019		1.0 134	141D101	± 5 week
1310.72	1311.19	41191110		1.4 145	141A101	± 4
1311.19	1311.64	41191111		1.1 135	141A101	± 4 (5D4*) trace
1311.64	1312.28	41191112		1.5 150	141A101	± 4
13RR.28	1312.54	41191113		.9 130	15D141*	(4DO) trace
1312.54	1313.00	41191114		1.6 154	141A101	± 4 (4CO) (5D4) trace 05:15: trace
1313.00	1313.50	41191115		1.3 142	141D10	± 5 "micaceous" (5D4*) trace.
1313.50	1313.75	41191116		.8 125	15D1	(4A) GOUGE
1313.75	1313.99	41191117		.7 123	15D141*	
1313.99	1314.28	41191118		1.0 134	141A141	
1104.5	1106.9	—		2.3	WASTE	
1315.10	1315.35	41191119		.9 130	14A141	
1315.35	1315.50	41191120		.4 12	15D141*	(4A4) minor
1315.50	1315.97	41191121		1.7 155	141A141	
1315.97	1316.45	41191222		1.1 137	14A141	
1316.45	1316.83	41191223		.8 125	141A141	
1316.83	1317.29	41191224		1.3 143	141D101	"micaceous"
1317.29	1317.61	41191225		1.2 140	141D101	"micaceous"
1114.9	1127.1	—	12.3	—	WASTE	

E.O.H.

C.R.I. 1987 E-5

Quick Log.

DDH 8.9.6-10.9.
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Page _____ , _____

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	11 H 0				TAILCONED
	11 14	11 13 0			15 B 10	± 2
	11 13	11 9 4			15 D 10	(5B0)
	11 H 9	11 6 1 8			15 A 10	→ [5B022]
	11 6 1	11 6 5 2			15 D 10	
		11 8 1 0			15 D 10	(5B) minor
		12 4 6 8			15 B 10 R	(5D0) 50:50
		12 5 10 5			15 D 14	
		12 6 P 4			5 B P	± 4
		12 6 7 0				MISCATCH no CORE
		12 7 3 0			14 A 10	± 4
		12 7 9 3			15 D 4 *	
		12 8 5 4			14 A 14	
		12 8 8 2			15 D 14	
		13 0 9 5			14 A D	
		13 2 8 8			14 A 10	± 4
		13 2 5 9			15 D 14	
		13 3 5 0			14 A D	
		13 B 7 9			H A L	Brx + Gouge
		13 H 0 0			14 L 6 2	4
		13 4 3 0			14 A H	
		13 4 8 5			15 D 4	
		13 5 P 5			GROUGE	+ BxA. (5B2) (4L)
		13 6 B 3			14 A D 4	
		13 7 6 5			14 D 14	
		14 1 7 0			15 B R	

EOH

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-09

Reference Fabric Orientation Diagram:

Project: 1989 GRUM DEPOSIT DEF'N

Location: GRUM DEPOSIT

Claim: _____

~~UTM~~ Terr.Plane Co-ords.: 6905306.114 N 6,697.07 N

592177.132 E 2,882.52 E

Grid Co-ords: 84W 9N

Elevation: 1308.638

All symmetry determinations looking

Total Depth: 417 (ft) 127 (m)

_____ with _____ dipping

Inclination: -65° NE

_____ with dip azimuth _____.

Purpose: TO TEST NW SECTION OF OREBODY

Reason hole Terminated: DRILLED INTO FOOTWALL

Logged by: C.V. REED

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Size	CORE From	To
NW		
NQ		

Collar Cased and Capped: _____

Hole Cemented: NO Steel down Hole: NO

Assay Lab: _____

Certificate No's: _____

Started: July 2 Completed: _____

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-09 (2 — 8)

Date: JULY 10/89 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	89G-09						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R	89G-09	100	-65.0	014.0	ATCOLLAR
R	89G-09	1254	-63.7	011.9	SPERRY SUN
R	89G-09	1404	-66.8	015.4	SPERRY SUN
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 89-69 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: July 9 Logged By: A. Reznik

Code	From	To (in meters)	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	
		1101	PS12	-		T T	616	Micaceous fltns present.
		1122	CS12	M		12 T	519	" " "
		1235	CS12	S		210 313	617	Micaceous fltns & comp banding present.
		1277	CS12	S		310 314	618	" " "
		1288	CS12	S		118 218	813	comp. banding present.
		1369	CS12	Z		219 213	711	" " "
		1445	CS12	S		318 010	618	comp banding & micaceous fltns present.
		1506	CS12	S		215 010	614	comp banding present. S_2 is crenulated.
		1512	PS12	-		T T	612	comp banding present S_2 is crenulated
		1619	PS12	-		T T	618	chlorite banding defines S_2.
		1652	PS12	-		T T	614	micaceous fltns & comp banding are present.
		1750	CS12	S		315 312	617	" " "
		1841	PS12	-		T T	710	chlorite banding defines S_2 comp. banding present.
		1880	PS12	-		T T	612	Sph banding defines S_2.
		1939	CS12	S		310 311	615	comp banding present.
		1003	CS12	S		214 312	613	comp banding & micaceous fltns present
		1099	PS12	-		T T	613	Sph + Py Banding define S_2.
		1164	CS12	S		118 313	617	comp banding & micaceous fltns present.
		1195	PS12	-		T T	510	chlorite banding defines S_2.
		1225	PS12	-		T T	514	micaceous fltns & comp banding present.
					EOH			

DDH 89-6-09

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 16/89 Logged By: C. Reed

Code	From	To	Recov.	No.	Unit	Description
	0.0	14.0		1	#	tricone d/no recovery
	14.0	14.3				
	14.0	19.0		2	SBO	moderately weathered
	14.0	15.8				mod soft, light to medium grey, PS2 foliated musc. phyllite, S_2 surfaces where fresh are light steel grey, contains abundant thin qtz + calcite bands and laminae defining S_2, core rusted along fractures and in patches on S_2
		TOI + 15.5				very broken along S_2, recry. good
		15.5 - EOI				core mod. broken along fracture + S_2 recry good.
	19.0	51.0		3	SBO	
		155				- same as unit 2, rust weathering absent core is locally CS2 foliated defined by qtz. + calcite, microlithons, unit is light grey becoming darker down hole, contains abundant local brecciated thin white pegmatitic qtz. veins, local veins have pale green chlorite selvages,
		TOI - 24.7				mod. broken along S_2 recry good
		24.7 - 27				rubble 0.6 recry - likely mislatch
		27 - 35.5				mod. broken recry. good
		35.5 - 37.5				v. broken 1.2 ft recry
		37.5 - 42.4				mod. broken recry. Good
		42.4 - EOI				v. broken, 47 - 50.5 core highly fractured and locally brecciated 1 ft recry

DDH 84-G-09

CURRAGH RESOURCES INC.

Lithologic Log

Date: 16/07/89 Logged By: C. Reid.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						50.5 - EOI intact by pegmatitic qtz. vein
	5110	11412		4	5A10	(5B80) ratio 98:2
		4430				dominant unit dark grey - black, calcareous, carb-
						onaceous, locally CS2 foliated mod. - soft
						phyllite, abundant fine light grey qtz + calcite
						microlithons and bands. S_2 surfaces are dark
						grey - black, mark fingers, contains local minor
						small black chert nodules within qtz + calcite
						siltstone bands, nodules align parallel to these
						bands, contains usual amounts of pegmatitic
						qtz. veins qtz. + calcite + dol ± fine py infill
						local X-cutting fractures
						81.6 - 82.1 pale green - grey, mod. soft calcareous
						chloritic phyllite, abundant thin qtz + calcite
						lithons, margins of chloritic phyllite parallel
						to S_2
						TOI - 67.0 v. broken along S_2, 9.2 ft recry
						core loss appears to be between 60.5 - 66 some
						minor flakely rubble recovered, doesn't appear
						to be a fault
						67 - 82.8 mod. broken, recovery good
						82.8 - 87.5 v. broken along S_2 recry good,
						87.5 - EOI core mod. broken along S_2 local
						fractures recry good.

DDH 89-G-09 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 16/89 Logged By: C.V.R.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1411 2	1496		5	5A0	(5A0)
		456				Mixed unit of dominantly thinly PS2 laminated locally CS_2 foliated v. calcareous chloritic phyllite; S_2 surfaces are pale olive green, interbanded with this unit in intervals ranging from 3" - 2ft are dark grey - black CS_2 foliated v. calcareous carbonaceous phyllite, margins of these bands are sharp // to S_2 within chloritic phyllite intervals are local rounded dark grey, v. hard chert nodules; nodules are squashed // to S_2 and range from 1-3cm along the major axis. Interlayed within the chloritic phyllite near the chert nodules on a scale of 1mm - 1cm are light grey musc. laminae // to S_2 - core mod. Broken, recry. good.
	1496	1616		6	5A0	± 7 minor
		493				CS_2 foliated, mod. soft, dark grey - black, carbonaceous, v. calcareous phyllite. S_2 surface black, rock fingers. Contains local thin pale green chlorite laminae defining S_2 and locally defining kinkers. Chlorite-rich laminae likely are meta-tuffs Contains local rusted py + fine grained agglomerates infilling fractures. Local small

DDH 89-6-09 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 16 Logged By: C. V. R

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						rounded chert nodules occur within fine grain qtz-siltstone bands. Top five feet v. fissile along S_2, core v. broken, recry. O.K. 154.6 - EOI mod. broken, recry good.
	161 6	165 3		7	5D0	(5B0) ratio 70:30
		50 4				mix unit dominantly pale olive green & tan white striped chloritic phyllite. Abundant interstitial calcite occurs within thin bands generally < 3mm, ll to S_2. S_2 surfaces dull olive green. Interbanded at regular intervals ranging from 3 - 5 inches are light grey CS_2 foliated v. calcareous musc. phyllite bands. Margins are sharp ll S_2. Chloride-rich intervals appear to be meta-tuffs within meta-pelites? Core mod. broken, recry. good.
	165 3	166 9		8	5A0	"
		50 9				Highly fractured, dark grey to black mod. calcareous carbonaceous phyllite. CS_2 foliated local incipient gaudge along late x-cutting fractures. Core v. broken, recry. good.
	166 9	180 8		9	5D0	(5B20) ratio 95:5
		190				Pale olive green + cream white striped v.

55.1

DDH 89-6-09

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 16/89 Logged By: C.V.R.

Code	From	To	Recov.	No.	Unit	Description
						calcareous dominantly PS_2 foliated (locally CS_2 foliated) chloritic phyllite. Locally highly broken along steep fractures abundant thin x-cutting fractures infilled with qtz + calcite
						179.0 - 179.6 dark grey mod. carbonaceous CS_2 foliated, calcareous phyllite. Margins sharply // to S_2
						TOI - 167.9 mod. broken recry good.
						167.9 - 170.2 v. broken along steep fracture recry. good.
						170.2 - 178.0 mod. broken, recry. good
						178.0 - 179 rubble due to fracture, incipient gouge along fracture
						179 - EOI mod. broken recry. good
	180.8	191.5		10	5A0	(5B20) (5D0) ratio 70:20:10
		584				mixed unit, chloritic phyllite & carbonaceous phyllite. Dominant unit is mod. calcareous CS_2 foliated carbonaceous phyllite. Top 1.9 ft of unit carbon less abundant is "fence-sitter" are 5B2. Interbanded unit carboraceous phyllites are thin co-foliat bands of pale green & white striped chloritic phyllite. Same as unit 9
						TOI - 187.5 mod. broken, recry. good

DDH 89-6-09 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 16/89 Logged By: C. V. R

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						187.5 - 189 rubble due to fracture
						189 - EOI V. broken along S_2
	1915	2067		11	SDO$	
		1630				Mod. soft, pale olive green, dolomitic calcareous chlorite phyllite. Contains abundant, thick light grey qtz + calcite + dol. bands. Bands range up to 3cm thick and are locally broken and displaced along fractures. Unit is PS_2 banded
						TOI - 195 rubble, local incipient gaudge 1.5 feet recovered
						195 - 198 rubble and gaudge only 1.4 feet recovered maybe significant fault.
						198 - 201 slightly broken recry. good.
						201 - EOI V. broken along S_2 and local fractures recry. good.
	2067	2130	0	12	5B270	(SDO) ratio 85:15
		701				Dominant unit dark grey, med. soft calcareous CS_2 bardeed & laminated locally chloritic phyllite. Chlorite occurs locally in thin bands and laminae 1 to $5^{1}/_{2}$. S_2 surface dark steel grey. Contains local lithons defined by thin qtz. - siltstones bands.

DDH 89-6-09 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Page 9

Date: July 16/89 Logged By: C. V. R

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						221.7 - 226.6 Locally CS_2 banded pale olive green and tan white striped v calcareous chloritic phyllite. Local thin qtz + calcite bands define S_1 + S_2. Top margin of chloritic phyllite is sharp // to S_2, bottom contact is brecciated
						TOI - 211.1 v. broken along S_2 & fractures 2.4 ft recy.
						211.1 - 214.5 mod. broken along S_2, recy. good
						214.5 - 223.2 v. broken, recy. good
						223.2 - 227.6 v. broken & brecciated 1.4 feet recy. Doesn't appear to be significant fault. Core loss probably due to mechanical problems.
						227.6 - EOI v. broken. 1.1 feet recy.
	230 0	246 7		13	5D6$	±4 (400) ratio 95:5
		75 2				Thinly laminated and banded pale olive green mod. soft dolomitic chloritic phyllite. Unit is PS_2 banded defined by variations in dolomite concentration.
						235.3' - EOI Core extremely broken & locally gauged along fractures. Recy is poor, locally dolomite, qtz bands define S_1. At 246.8 these bands define a phase two 5-fold,
						TOI - 231. v. broken, along S_2 & local fractures recy. is good
						231 - 233.6 core mod. broken recy. good

C.R.I. 1987 E-3A

DDH 84-G-09 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 16/89 Logged By: C. V. R.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						233.6 - 237 v. broken along steep fracture 1.8 ft recry.
						237' - 244 rubble, Fragments appear to be incipiently brecciated 1.6 feet recry.
						244 - EOI v. broken, 2.5 feet recry.
						232.6 - 233.4 + 244.7 - 248.6 v. hard Thinly PS_2 banded, light grey quartzite. Banding defined by v. thin diffuse red/brown sph. + interstial qtz. Bands ~20% of unit volume. Estimated % Pb+Zn is 6-7% dominantly sph. Local bands contain minor disseminated py. Margins of quartzite trend 11 to S_2 and are brecciated
	2467	2500		14	5D14*	(altered zebra-rock)
		2622				v. soft olive green + tan striped altered chloritic dolomitic phyllite (ankaritic ?)
						TOI - 248.6 v. broken, incipient gauge along fractures recry - O.K
						248.6 - EOI v. soft phyllitic gauge and breccia fragments. 0.6 ft. recry.
	12510	12610		115	5B16B17	(1080) 90:10
		7944				Laminated v.f CS_2 foliated, mod soft, light → medium grey, dolomitic musc + chl phyllite. Local chl laminations defining S_1 + S_2. Dolomite occurs interstitial to qtz

C.R.I. 1987 E-3A

DDH 89G-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 17/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						in siltstone bands + laminae. Locally, siltstone bands + laminae define interbeds.
						TOI → 257.9 m broken, very good
						257.9 → 258.9 v broken very good
						258.9 → 260.1 white - grey phyllite gouge very O.K
						260.1 → EOT brecciated quartz vein + phyllite fragments very good.
	12606	12617 0		116		MISLATCH - NO CORE
		814				
	12617 0	12713 0		117	14A10	
		832				Dark grey → black, ribbon banded carbonaceous quartzite. Sz surfaces black - smut fingers. Ribbon banding thin, poorly developed + diffuse - defines Sz. Banding dominantly Qtz + minor sph + traces of gal. Banding ≤ 10% of unit volume Est Py 2-3% - MINERAL.
						TOI - 271.0 v broken due to fracturing - very good.
						271.0 → EOI v broken, 1.4' recovered.
	12788 0	12792		118	15D14*	[SC44]
		851				mod soft, soft light green - tan, Sz foliated, altered dolomitic / ankeritic? chl phyllite. Sz contains dull light tan - green. Bottom 3" contains bright green "fuchsite" spots. Top 3" of unit highly broken + fractured: incipient gouge along fractures.
						273.3 → 278.4 mod broken, very good.

DDH 89G-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 12

Date: 21/7/89. Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						278.4 - EOT ū broken along fractures. Incipient cores along fractures. recy O.K.
	R 17 19 2	12 8 5 4		1 9	1 4 1 0	± 4
		8 7 0				Highly broken + fractured, dark grey → black, ribbon banded carbonaceous qtzite. S_2 sometimes black - quartz fingers. Qtz-Sulph bands diffuse, generally < 1/2 cm, locally 3 cm thick // to S_2. Sulph bands dominantly P_y + Qtz, top 6" of unit sph > py within bands. Ribbon banding approx 150% of unit volume. Sulphides exclusively remobilized into thin fractures. Unit locally CS_2 laminated. Margins against altered greenstone sharp // to S_2.
						Est Pb+Zn ranges from 8% at top 2-3 feet. Remaining unit ≈ 2-3% dominantly Sph.
						TOT → 279.8 ū broken, recy good.
						279.8 - 281.5 rubble due to late fractures, 6" of core loss.
						281.5 - 283.0 ū broken, recy O.K.
						283.0 - 283.8 rubble, recy O.K.
						283.8 - EOT ū broken along steep late fractures, recy good.
	12 8 5 4	12 8 8 0		1 2 1 0	1 5 1 0 1 4 1 *	(4A0 Bxa) 75:25
		8 7 8				Mod soft, light buff tan-green carbonitic? dolomitic? thinly FS_2 laminated altered chloritic phyllite.
						Top (bottom) contact sharp // to S_2.
						285.8 → 286.4 highly broken + fractured, brecciated, ū hard

DDH B9G-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 17/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						carbonaceous quartzite. Sulphides - dominately Py in fill thin steep fractures. Est % Py 10%. Minor Sph. Est % Pb+Zn 2-3% in qtzite.
						70I → 286.6 ī broken due to X-cutting fractures, recy O.K.
						286.6 → EOH ī broken, recy o.k.
	R 18 B 0	12 19 12 0		211	14 D 14	5 weak
		18 9 0				ī hard, weakly carbonaceous, CSz laminated, light grey, qtz-sulphide banded quartzite. Banding defined by sph > Py + interstitial qtz. Bands generally < ½ cm thick dominately aligned ∥ to S_2. Sulphide extensively remobilized into thin fractures. Bands are 10-12% of unit volume.
						Est Pb+Zn 10% - dominately Sph.
						Core ī broken along local X-cutting fractures, recy good.
	12 19 12 0	13 10 10 8		212	14 A 10	±4 (5D4*) 98:2.
		19 1 7				Dominate unit is PSz ribbon banded, ī hard, highly fractured + broken, carbonaceous qtzite. Banding defined by qtz + py > sph ; generally bands < ½ cm thick. Banding 8-10% of unit volume. 5= extensively re-mobilized into ī thin X-cutting fractures.
						Est Pb+Zn 3-4% locally may be 5-6%.
						293.5 → 294.0 buff light tan-green, thinly PSz laminated altered dolomitic / anketitic chloritic gtzite. Margins sharp, ∥ to S_2. Same unit 298.4 → 298.5

DDH 89G-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 7/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI → 294.0 v broken due to fracturing 0.6' core loss.
						294.0 → 294.9 m broken, very good.
						294.9 → 298.4 rubble due to late fractures 2.0' rec'd.
						298.4 → 299.2 v broken, very, O.K
						299.2 → 299.9 rubble, very, O.K.
						299.9 → EOI v broken, very O.K
	1310P 8	131072		123	141D10	± 5 weak.
		936				Light grey, CSz foliated, v hard, thinly banded, medium grained
						pyritic qtzite. Banding is thin, diffuse defined by qtz + py
						+ sph. Sulphides locally re-mobilized into thin fractures. Sz
						surfaces light steely grey, locally dark grey along minor local
						carbonaceous foliae. Banding generally < 1/2 cm thick and dominately
						transposed // to Sz.
						Est % Pb+Zn 5-6% Dominately sph.
						TOI → 305.0 m broken, very good.
						305.0 → EOI v broken along local fractures. very good.
	131072	131288		124	141A10	±4 (5D4*) traces.
		984				Night, broken + fractured, hard, black, CSz foliated
						carbonaceous qtzite. Qtz - sulph bands, diffuse - poorly developed
						Dominate sulphides py + << sph. Bands are ~15% of
						rock volume aligned // to Sz. Sz surfaces dull black -
						matte fingers. Est Pb+Zn 6-8%.
						TOI - 310.1 m broken very good
						310.1 - 312.0 v broken along Sz + fractures.

DDH 89-G-09

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
						312.0 - 316.1 Rubble due to abundant fractures. Minor gouge along fracture a 314.0. 314.8 - 315.0 is fragment of pale tan-green, dolomitic/ankeritic altered chl phyllite. Only 2.5' rec'd.
						316.1 - 319.5 ṽ broken 1.9' rec'd.
						319.5 - EOI ṽ broken 2.7' rec'd.
	312.8	315.4 / 992		125	15D14*	[5C4*] (4D0) trace. Dull olive green-tan, dolomitic/ankeritic, thinly PS2 laminated, moderately soft altered chloritic phyllite. S2 surfaces buff pale olive green. Margins sharp ∥ to S2. Bottom 1½' contains abundant thin, coarse grained colorless qtz + dol veins. Veins < 1 cm thick.
						At 324.7 is 2" thick band of moderately hard, micaceous qtzite. Contains thin 1mm colorless coarse sph+gal bands. Margins sharp ∥ to S2.
						Core is broken, very good.
	315.4	320.0 / 1005		126	14A10	#4 "micaceous" (4C0) "micaceous" (5D4* Trace) 85:15: Trace. Dominate unit is black, moderately hard, micaceous, carbonaceous qtzite. Contains abundant thin micaceous/carbonaceous laminae defining S1 + S2. Qtz-sulph banding is diffuse & thin-deformed by Sph > Py. Carbon is absent at top 1' selvage against altered metachert. Unit is CS2 foliated.
						At 326.8' 2cm thick interval of thinly laminated, dolomitic/ankeritic/chl pale green-tan metachert?, Band defines a 1° thrust.

DDH BGG-09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 17/89 Logged By: CCR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Est % Pb+Zn 4-6% dominantly Sph.
						Core ī broken along Ss + fractures, recy O.K.
	13130	13150		127	14D10	± 5 minor "micaceous" (504*) trace.
		10211				Light grey, mod⁻ hard, sph + py banded, locally slightly carbonaceous gtzite. Unit highly fractured + broken. Sulph bands thin + diffuse - define Ss. Sulphides obviously re-mobilized into steep fractures. Ss surfaces are silver-grey + have local "talcose" coatings. Sulph bands approx 10-12% of unit volume. Est % Pb+Zn 5-7% dominantly Sph.
						Local traces of thin rotated altered chl/dol/tourm metatuffs generally ≤ 2 cm thick.
						Core ī broken along abundant fractures - recy good
	13150	13175		128	G10U1GE	(4A0) BxA. 50:50.
		10229				TOI → 336.4 is dark grey, ī soft, flaky, mod⁻ carbonaceous sousse ± 4A fragments. Fragments generally ≤ 2 cm Ø. Top margin not recd. 0.7' recd.
						336.4 → EOI Black, carbonaceous, porous, 4A bxa. Traces of highly disrupted py-sph bands. Sulphides re-mobilized into thin fractures. Recy O.K.
						Est % Pb+Zn 2-3%
	13175	13199		129	15D14*	
		10136				mod⁻ soft, buff green-tan, dolomitic/ankeritic locally CS2 foliated, altered chl phyllite. Contains local thin

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						qtz + dol bands defining S1 + phase 2 fold nose.
						Core ṽ broken, 2.2' recd.
	133199	131428		1310	14AH	
		10144				ṽ hard, high grade, locally CS2 ribbon banded, carbonaceous
						qtzite. Banding is thin, diffuse, defined by dominate sph &
						lesser py. S2 surfaces black-mark fingers. Banding 15-20% of unit vol.
						Est 7% pkz in 2-10%, dominately sph.
						70Z - 341.8 rubble due to late sheer fractures, mech O.K.
						341.8 - EOZ ṽ broken, very good.
	131488	131888		1311	15DH1*	
		10633				Buff light tan-green, thinly PS2 laminated ṽ altered dol/ank chloritic
						phyllite. S2 surfaces dull tan-green. Top contact ṽ 4A
						brecciated. Bottom contact gouged.
						Core mod broken, very good.
	131888	131505		1312	15ID	GOUGE (4A GOUGE) 30:60
		10168				Top 3" recd is flakey cream-green chloritic gouge.
						Remaining interval is black soft carbonaceous gouge.
						Top contact not recovered. Bottom contact // to S2.
						Core is gouge. 0.8' recd.
	131510 5	131618 3		1313	141A14	(5D4*) 90:10.
		11123				Dominate unit is dark grey, ṽ hard, CS2 foliated,
						moderately carbonaceous, sph rich, ribbon banded qtzite

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Ribbon banding is thin, diffuse, defines S_1 + S_2, consist of dominantly sph, lesser py + interstitial fine qtz. Bands are 15-20% of unit volume. S_2 surfaces dark grey → black + only slightly mark fingers.
						Est Pb+Zn 8-10%, dominantly Sph.
						353.5 → 355.0 is thinly PS2 laminated, buff tan-green dol/ank altered chl phyllite. Within this band are two thin intervals of 4A4. Margins // to S2.
						352 → 357.1 mod broken, recy good
						357.1 → 357.2 v broken, facsimile sand-size along fracture, recy good
						357.2 → 362.8 ~ broken, recy good
						362.8 → EOI ~ broken along fracture trending down core axis. recy O.K.
	D16B 3	13716 7		314	141010	"micaceous" ± 5 minor.
		1/14 8				Light grey-white, hard, thinly PS2 sulph banded, moderately pyritic, micaceous qtzite. Sulph bands thin + diffuse defined by P_y ± Sph + interstitial qtz. Banding ± 10% of unit volume. S_2 surfaces silver-grey. Contains local minor paper thin carbonaceous Chl.
						Core mod broken, recy good.
						Est % Pb+Zn 5-6%. MAY BE
	13716 7	14117		315	151816	± 2 weak (504*) 98:2.
		1/27/				Medium to locally dark grey, noncalcareous, C_{S2} foliated, mod soft, musc phyllitic. S_2 surfaces medium steel grey-locally dark grey. Contains locally abundant thin qtz + dol

DDH BGC 09
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35

siltstone bands + laminae which commonly define microlithons. About 10% of unit volume are thin foliaform qtz veins. Margins are commonly brecciated.

Contact at 398.6 is 5" thick band of PS_2 foliated altered ank/dol chloritic phyllite. Margins sharp // to S_2. Unit becomes gradually darker moving down the hole.

701 → 386.5 $\bar{5}$ broken, very good

386.5 - 388.0 $\bar{v}$ broken, " "

388.0 - 396.5 $\bar{5}$ broken, very good

396.5 → 397.5 $\bar{v}$ broken - rod run -

397.5 → 406.1 $\bar{m}$ broken along S_2, very good.

406.1 → 407.5 $\bar{v}$ broken, minor gouge along local steep fractures, very O.K.

407.5 → 408.0 rubble spread out, rubble due to fracturing, very O.K.

407.5 → EOH $\bar{m}$ broken, very good.

EOH

PROJECT _____ DRILLHOLE NO. 89-6-09 COORDINATES: N _____ DATE July 9 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 13

LOGGER Reznik / Reiber INCLINATION _____ ELEVATION _____

(in metric)

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.	
52.1	1.52	1.52		0			7		F						1		
54.6	2.5	2.44		0.11			8		F						4		
57.6	3.0	2.4		0.54			8		F						6		
59.4	1.8	1.16		0			6		F						0		
60.4	1.0	0.44		0			6		D						3		
61.8	1.4	1.4		0.19			8		F						2		
63.2	1.5	1.5		0.22			6		E						2		
64.6	1.4	1.03		0			6		F						2		
66.1	1.5	1.48		0			7		F						1		
67.4	1.3	1.3		0.24			7		E						2		
69.2	1.8	1.07		0.11			7		F						4		
70.4	1.2	0.93		0			6		F						2		
72.2	1.8	1.33		0			7		F						3		
74.4	2.2	0.53		0			6		E						0		
75.3	0.9	0.89		0			7		E						5		
76.3	1.0	0.7		0			7		F						0		
77.3	1.0	0.99		0			7		E						2		
79.2	1.9	1.76		0.41			7		F						3		
81.4	2.2	0.24		0			6		E						0		
82.6	1.2	1.2		0			6		D						2		
83.2	0.6	0.51		0			6		D						1		
85.0	1.8	1.8		0.11			7		E						1		
86.9	1.9	1.9		0.14			7		E						4		
89.0	2.1	2.1		0.36			8		F						5		
89.6	0.6	0.48		0			7		E						0		
90.5	0.9	0.52		0			6		F						0		
93	2.5	2.5		0.26			8		E						2		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-6-09 COORDINATES: N _____ DATE July 9 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGER Korber/Reznik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

(in metric)

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.	
5.8	1.52	1.28		0			7		D						3		
7.3	1.5	1.5		0			7		E						3		
8.2	0.9	0.45		0			6		E						0		
9.8	1.6	1.36		0			7		F						0		
10.8	1.0	1.0		0.11			8		F						2		
11.4	0.6	0.4		0			6		F						0		
13.1	1.7	1.61		0			8		F						0		
13.4	0.3	0.3		0			6		F						1		
14.3	0.9	0.9		0			6		E						0		
15.4	1.1	0.43		0			6		E						0		
16.6	1.2	1.01		0.22			6		F						1		
17.8	1.2	1.34		0			7		E						2		
20.1	2.3	0.98		0			7		F						2		
21.3	1.2	1.21		0			7		E						0		
23.5	2.2	2.2		0.37			8		F						2		
25.6	2.1	2.1		0			7		F						0		
26.7	1.1	1.1		0.12			7		E						2		
29.4	2.7	2.47		0.37			8		F						3		
30.6	1.2	1.2		0.11			7		F						1		
32.6	2.0	1.77		0.13			6		E						3		
34.9	2.3	2.81		0.51			9		E						3		
37.5	2.6	2.23		0.23			8		E						2		
39.9	2.4	2.4		0.15			9		F						3		
41.8	1.86	1.86		0.13			8		F						0		
44.5	2.7	2.7		1.13			10		E						1		
46.6	2.1	2.1		0.91			7		E						4		
47.9	1.3	1.3		0.11			7		E						2		
50.6	2.7	2.7		0.49			8		F						0		

Fig. 1. Typical rock mechanics core log.

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PROJECT _____ DRILLHOLE NO. 89-6-09 COORDINATES: N _____ DATE July 9 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 3

LOGGER Kerber / Rezmt INCLINATION _____ ELEVATION _____

Gayle

9B. (in metric)

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.	
93.9	0.9	0.9		0			7		E						3		
96.0	2.1	1.71		0			7		F						4		
97.4	1.4	0.96		0			6		E						3		
98.5	1.1	0.89		0			6		E						2		
99.7	1.2	1.2		0.35			8		F						2		
101.0	1.3	1.24		0.13			7		E						2		
102	1.0	1.0		0			7		F						3		
103.9	1.9	1.82		0.11			8		E						3		
104.9	1.0	1.0		0.17			7		E						2		
106.8	1.9	1.73		0.18			7		F						0		
109.9	3.1	3.1		1.1			9		F						1		
111.1	1.2	.93		.10			6		F						0		
112.5	1.37	.97		0			6		F						2		
114.9	2.41	2.26		.74			8		F						1		
117.9	3.0	3.0		1.40			9		F						1		
121	3.1	2.99		.55			9		F						4		
121.9	.9	.9		0			6		F						1		
122.2	.3	.3		0			6		F						0		
123.6	1.4	1.02		0			6		F						1		
124.9	1.3	1.3		.23			6		F						2		
127.1	2.2	1.97		.40			8		F						3		

Fig. 1. Typical rock mechanics core log.

DDH 89G-09 (2 8) metres

CURRAGH RESOURCES INC.

Fault Log

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Date: 18 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	10.0	14.3	NIP1					Tricone2 – no recovery
	14.3	14.7	3IB1					
	14.7	15.8	J12IB					
	15.8	17.5	2IB1					
	17.5	18.2	R1P	2				
	18.2	110.8	2IB1					
	110.8	111.4	3IB1	6				
	111.4	112.9	2IB1					
	112.9	115.5	3IB1					
	115.5	120.4	3IB1					
	120.4	121.3	2IB1					
	121.3	121.7	3IB1					
	121.7	141.6	2IB1					
	141.6	141.7	3IB1					
	141.7	151.4	2IB1					
	151.4	151.9	3IB1					
	151.9	151.2	2IB1					
	151.2	151.9	J13IB					
	151.9	151.43	2IB1					
	151.43	151.46	J1R1					
	151.46	151.72	2IB1					
	151.72	151.76	J1R1					
	151.76	151.84	3IB1					
	151.84	161.04	R1G1P	2				
	161.04	161.13	1IB1					
	161.13	161.43	J13IB					
	161.43	161.54	2IB1					
	161.54	161.80	3IB1					
	161.80	161.94	X13IB	3				
	161.94	171.04	3IB1					
	171.04	171.12	2IB1					
	171.12	171.22	J13IS	5				
	171.22	171.44	R11X	2				
	171.44	171.58	3IB1					
	171.58	171.62	G1X1B	4				
	171.62	171.86	2IB1					

DDH 89G-09 (2 8) metres

CURRAGH RESOURCES INC.

Fault Log

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Date: 18 Jan/91 Logged By: LCP

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct		INTERNAL Dip Direct.		LOWER Dip Direct		Description
1	10 14	16 20	22 24	26	28	32	34	38	40	44	
	1718.6	1718.9	3IB1								
	1718.9	1719.3	G1								
	1719.1	1719.4	XIQ1								
	1719.4	1811.4	MINIP								mislatch – no core
	1811.4	1813.2	J13B								
	1813.2	1814.9	2IB1								
	1814.9	1815.1	J13B								
	1815.1	1815.3	1IB1								
	1815.3	1815.8	JIR								
	1815.8	1816.3	3IB1								
	1816.3	1816.5	R1								
	1816.5	1817.0	J13B								
	1817.0	1817.4	XIJIB								
	1817.4	1819.6	J13B								
	1819.6	1819.9	2IB1								
	1819.9	1911.0	JIR1	5							
	1911.0	1911.7	R13B								
	1911.7	1913.0	2IB1								
	1913.0	1913.6	J13B								
	1913.6	1914.5	2IB1								
	1914.5	1918.4	R13B	6							
	1918.4	1919.2	2IB1								
	1919.2	1/1012.1	J13B								
	1/1012.1	1/1012.9	XIG								
	1/1012.9	1/1014.2	3IB1								
	1/1014.2	1/1016.3	2IB1								
	1/1016.3	1/1016.8	GIP1	4							
	1/1016.8	1/1018.8	2IB1								
	1/1018.8	1/1018.9	J13B								
	1/1018.9	1/1/10.6	1IB1								
	1/1/10.6	1/1/12.3	J13B				010	01010			
	1/1/12.3	1/1/14.8	2IB1								
	1/1/14.8	1/1/17.8	1IB								
	1/1/17.8	1/1/18.3	3IB1								
	1/1/18.3	1/1210.9	1IB1								
	1/1210.9	1/1211.2	3IB1								

DDH 89G-09 (2 of 8)

CURRAGH RESOURCES INC.

Fault Log

Page _____ of _____

Date: 18 Jan/91 Logged By: LCP

Code	FROM		TO (At)		Feature	REC.	UPPER Dip Direct		INTERNAL Dip Direct.		LOWER Dip Direct		Description
1	10	14	16	20	22	24	28	32	34	38	40	44	
	112.1	2	112.3	8	2B								
	112.3	8	112.4	2	J3B								
	112.4	2	112.4	4	R								
	112.4	4	112.7	1	2B								
													EOH = 127.1

metres

C.R.I. 1987 E-7