MAP NO.:	**ASSESSMENT REPORT**	X	**DOCUMENT NO:** 092839
	PROSPECTUS		**MINING DISTRICT:** Whitehorse
105 K 3	**CONFIDENTIAL**	X	**TYPE OF WORK:** Diamond drilling
	OPEN FILE		

REPORT FILED UNDER: Curragh Resources Incorporated

DATE PERFORMED: April, 1989 **DATE FILED:** MAY 9,1990

LOCATION: **LAT.:** 62°15'N **AREA:** FARO

LONG.: 133°04'W **VALUE $:**

CLAIM NAME & NO.: DY 43-46
DY 183-186
GALE 13-16

WORK DONE BY: J.H. Davis

WORK DONE FOR: Curragh Resources Incorporated

DATE TO GOOD STANDING:	

REMARKS: Drilling done for control pending shaft. Two attempts were made to drill 914 m hole to test groundwater conditions on DY deposit. Both holes abandoned at <500 m due to bad ground conditions.

DY SHAFT PILOT HOLE

1989

092839

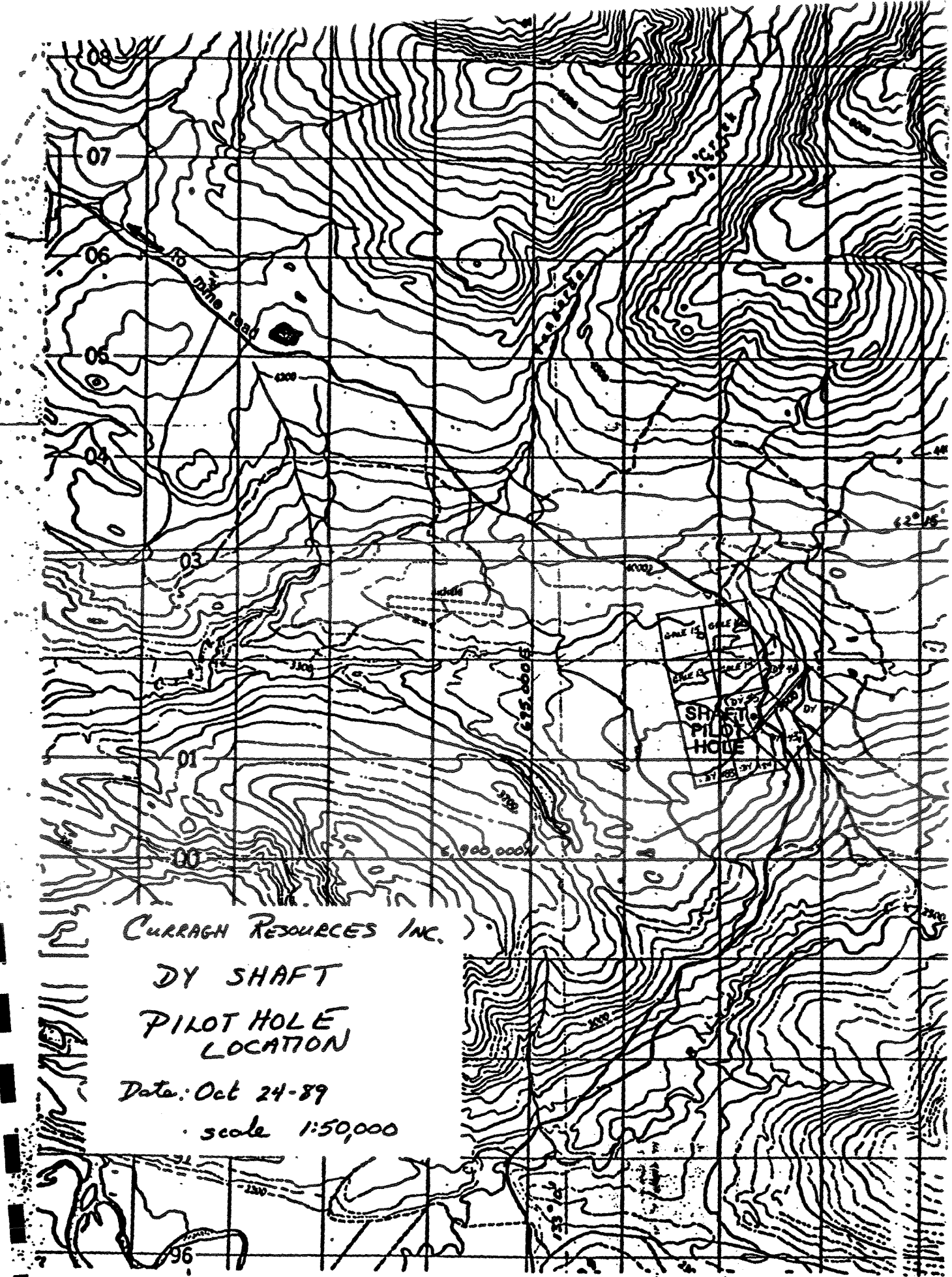
SUMMARY

In April, 1989 a program was undertaken to drill a vertical 914 meter (3,000 foot) deep pilot hole in the location of the proposed shaft for the Dy deposit, to assess the geotechnical and groundwater conditions of the locale. Controlled drilling was required to meet the specifications requiring a vertical hole not to deviate more than 2.44 meters (8 feet) from its collar over the total depth.

Arctic Diamond Drilling was contracted for the drilling. The first hole was abandoned at 452 meters (1,493 feet) after the second wedge was stuck in the hole and sheared off. A second hole was abandoned at 392.3 meters (1,287 feet) when continued caving in a fault zone at a depth of 128 meters (420 feet) prevented setting a second wedge deeper in the hole. The program was put on hold until more appropriate drilling methods in maintaining minimal deviation could be planned. It is expected that the program will continue in 1990.

STATEMENT OF COSTS

DY PILOT HOLE 1989 EXPLORATION	MAY	JUNE	JULY	TOTAL
GEOLOGIST (J. DAVIS)	$2,934	$4,600	$0	$7,534
MEALS/ACCOMMODATION/TRAVEL	$597	$500	$34	$1,131
FIELD OFFICE SUPPLIES	$173	$42	$0	$215
DRILLING(ARCTIC DIAMOND DRILL.)	$80,000	$97,378	$0	$177,378
MISCELLANEOUS	$84	$26	$0	$110
TOTAL	$83,788	$102,546	$34	$186,368



CURRAGH RESOURCES INC.

DY SHAFT

PILOT HOLE LOCATION

Date: Oct 24-89

scale 1:50,000

CURRAGH RESOURCES INC.

DIAMOND DRILL CORE LOG

Date: MAY/89

Hole Number: DS 89-01

Project: DY

Location: DY SHAFT

Claim:

~~Terrapline~~ Co-ords: UTM 6,901,388.5 N UTM

597,335.6 E UTM

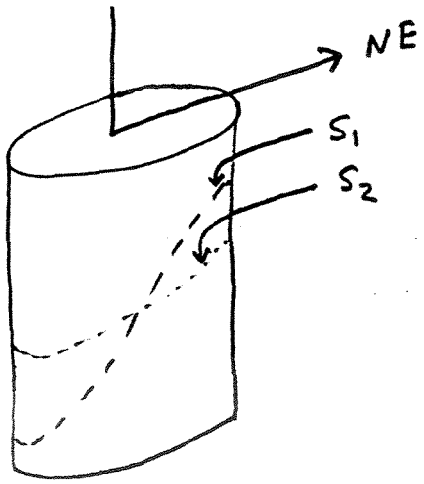
Grid Co-ords:

Elevation: 1105.8M.

Total Depth: 1483'

Inclination: -90°

Reference Fabric Orientation Diagram:



All symmetry determinations looking

NW with S_2 dipping

SW with dip azimuth 225 . clockwise

Purpose: To drill DY SHAFT

Reason hole Terminated: Hole abandoned after losing wedge #2 at 690'

Logged by: J. H. DAVIS Date(s) Logged: MAY 4/89 - MAY 30/89

Drilling Contractor: Arctic Diamond Drilling Ltd.

Hole Cemented: NO Steel down Hole: NW 40-583'

Assay Lab:

Certificate No's:

CORE Size	From	To	
NW	0	583'	reamed
NQ	20'	1483'	

Collar Cased and Capped: NO

Started: Apr. 30/89 ABANDONED Completed: MAY 30/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH DS-89-01 (2–8) Date: MAY/89 Logged By: J.H. DAVIS

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	DS89-01	0	0	0	feet	S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2–8	10–14	22–26	28–32	34–56
R	DS89-01	0	180.0	0.0	ATCOLLAR
R	DS89-01	57.0	180.0	0.0	
R	DS89-01	100.0	180.0	0.0	
R	DS89-01	150.0	180.0	0.0	
R	DS89-01	187.0	180.0	0.0	SPERRY
R	DS89-01	200.0	180.0	0.0	
R	DS89-01	250.0	180.0	0.0	
R	DS89-01	287.0	180.0	0.0	SPERRY
R	DS89-01	300.0	180.0	0.0	
R	DS89-01	350.0	180.0	0.0	
R	DS89-01	400.0	180.0	0.0	
R	DS89-01	437.0	180.0	0.0	SPERRY
R	DS89-01	450.0	180.0	0.0	
R	DS89-01	500.0	180.0	0.0	
R	DS89-01	550.0	180.0	0.0	
R	DS89-91	594.0	180.0	0.0	SPERRY
R	DS89-91	600.0	180.0	0.0	
R	DS89-01	607.0	180.0	0.0	
R	DS89-91	644.0	178.7	094.0	POSSIBLE PYRRHOTITE
R	DS89-01	657.0	180.0	0.0	
R	DS89-01	707.0	180.0	0.0	
R	DS89-01	750.0	180.0	0.0	
R	DS89-01	784.0	178.0	066.0	POSSIBLE PYRRHOTITE
R	DS89-01	810.0	179.0	9.0	ROTO

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2–8	10–56
C	DS89-01	HOLE RECORED 583-647 due to setting ing through major fault zone
C	DS89-01	Sing through major fault zone
C	DS89-01	792-811 H.6 should be assayed

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH DS-89-01 (2 … 8)

Date: May/89 Logged By: J.H. DAVIS

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T	DS-89-01	0.0	0.0	0.0	feet	52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R			.	.	AT COLLAR
R	DS-89-01	85.70	180.0	0.0	
R	DS-89-01	90.00	180.0	0.0	
R	DS-89-01	93.70	178.3	018.0	POSSIBLE PYRRHOTITE
R	DS-89-01	95.90	180.0	9.0	
R	DS-89-01	100.00	179.5	9.0	ACID
R	DS-89-01	101.10	180.0	9.0	
R	DS-89-01	111.70	180.0	9.0	
R	DS-89-01	112.40	178.2	003.0	POSSIBLE PYRRHOTITE
R	DS-89-01	113.70	180.0	9.0	
R	DS-89-01	115.40	178.5	063.0	POSSIBLE PYRRHOTITE
R	DS-89-01	116.70	180.0	9.0	
R	DS-89-01	118.40	179.0	001.0	POSSIBLE PYRRHOTITE
R	DS-89-01	118.70	179.5	0.0	ROTO
R	DS-89-01	120.70	180.0	9.0	
R	DS-89-01	121.40	178.7	952.0	POSSIBLE PYRRHOTITE
R	DS-89-01	122.70	180.0	0.0	
R	DS-89-01	124.40	180.0	9.0	SPERRY
R	DS-89-01	124.70	179.0	0.0	ROTO
R	DS-89-01	126.70	178.5	0.0	ROTO
R	DS-89-01	127.40	178.8	055.0	POSSIBLE PYRRHOTITE
R	DS-89-01	128.70	180.0	9.0	R+A
R	DS-89-01	130.40	179.5	055.0	POSSIBLE PYRRHOTITE
R	DS-89-01	130.70	180.0	0.0	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 … 8	10 … 56
		HOLE ABANDONED WHEN 2ND WEDGE STUCK

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH DS89-01 (2 / 8) Date: May/89 Logged By: J. H. DAVIS

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.
	2 8	10 16	17 24	25 32	34 39	41 42
T	DS89-01	0	0	0	feet	S2

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R			•	•	AT COLLAR
R	DS89-01	132.70	180.0	10.0	
* R	DS89-01	133.40	179.5	353.0	POSSIBLE PYRRHOTITE
R	DS89-01	134.70	180.0	10.0	
* R	DS89-01	136.40	177.9	320.0	SPERRY
R	DS89-01	136.70	180.0	9.0	
R	DS89-01	138.70	180.0	0.0	
* R	DS89-01	139.40	177.5	323.0	SPERRY
R	DS89-01	140.70	179.0	0.0	ACID
* R	DS89-01	142.40	177.4	323.0	SPERRY
R	DS89-01	142.70	178.5	0.0	ROTO
R	DS89-01	144.70	178.5	0.0	ROTO
R	DS89-01	145.70	177.0	0.0	ACID
R	DS89-01	147.70	176.0	0.0	ACID
R	DS89-01	144.40	176.5	+28.0	SPERRY AZIMUTH ERROR
R			•	•	
R			•	•	
R			•	•	
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 8	10 56
C	DS89-01	WEDGE #1 AT 1457
C	DS89-01	AFTER WEDGE DRILL TO 1483 MOVE UP HOLE
C	DS89-01	LOST WEDGE #2 AT 690 ABANDON HOLE
C	DS89-01	SPERRY CLOCK 3 MINUTES SLOW

DDH 89DS-07

CORRAGH RESOURCES INC.

Lithologic Log

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Date: June 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10.0	12.0		11		TRICONED - No recovery
	12.0	13.7		12	5C101	(5C4*)(5B76&0)[5D FIELD] 50:45:05
						TOI - 32 is dark green, very soft, noncalcareous metabasite. Nonmagnetic
						Contains coarse mottled, relict igneous texture. Unit called as pyroxenite in
						89DS-02 basement 5' is green "fuchsite" chlorite phyllite w/ tan
						sheaks alternating w/ bright green sheaks
						32 - 37 Noncalcareous to calcareous, thinly banded, PS2-foliated,
						pale green chloritic phyllite. Banding in shades of pale green and tan brown
						on scale of 1cm or less. Contains thin interbands of highly altered metabasite.
						Core is rubbly w/ numerous small gouges — especially in the altered
						metabasites. Abundant pebbles and some regrinded core. Recovery
						averages about 50% for interval.
	13.7 0	13.14 0		13	5B101	&2 (5D0) MINOR
						Moderately soft, calcareous, CS2-foliated, pale to medium grey phyllite. Thinly banded
						w/ banding defined by pale grey qtz-calcite laminae and bands. S2 surfaces are
						shiny steel grey and do not mark fingers. S2 surfaces typically have partial
						weathering coat of rust orange-brown. — as also be cross-cutting qtz-calcite
						fracture fusion margins. Short intervals 2-3cm are very dark grey
						Minor 10-15 cm calcareous, pale olive, moderately soft chloritic phyllite @
						119.5 and 120.5. S2 surfaces are pale waxy olive. At 120.5 the band forms
						core of pham 2 fold nose. Marginal contacts are sharp
						TOI-57 core mod. broken & pieces chippy. About 1' core loss between 47-57
						57-63 core mod. broken w/ good recovery. Steep qtz-calcite irregular fracture
						have orientations 000/000 during the entire interval.

C.R.I. 1987 E-3A

DDH 89-05-01

CURRAGH RESOURCES INC.

Lithologic Log

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Date: June 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						63 - 99 Core mod. broken and poker chippy Recovery OK
						99 - 108 Core mod. broken & poker chippy w/ short rubbly intervals associated w/ qtz veins Recovery OK
						108 - 128 Core slightly broken to intact w/ good recovery
						128 - EOI Core very broken w/ short rubble intervals Rubble associated w/ qtz veins. Recovery appears reasonable
	113140	114155		14	SD10	(SBO) (SB70 [SD FIELD]) 40:20:40
						Mixed unit. Pale olive green, calcareous, homogeneous, chloritic phyllite S2 surfaces are waxy pale green. Contains minor thin qtz-calcite veins. Margins are sharp against moderately soft, pale olive green, calcareous, thinly banded chloritic phyllite. Laminae & bands strongly marked by alternating pale grey and pale green bands. S2 surfaces are silvery green. Some intervals of pale to medium grey, calcareous, CS2-foliated, moderately soft phyllite. S2 surfaces are silvery grey to steely grey.
						TOI - 137 Mod broken & poker chippy w/ about 0.5' core missing
						137 - 138 Very broken and rubbly Recovery OK
						138 - EOI Core slightly broken w/ good recovery
						Have S2 fold nose centered @ 144' (within SD phyllite)
	114155	115157		15	SB10	
						Moderately soft, calcareous, PS2-foliated, pale to medium grey phyllite. S2 surfaces are shiny, steely grey. Thinly banded w/ bands defined by pale grey and dark grey variations. Upper contact sharp and lower contact very gradational. Mottled orange rust on S2 surfaces
						Core is/was to slightly broken w/ good recovery

DDH B.9.D.5.-0.1 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

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Date: June 25/09 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	115.57	116.11		16	5B1710	[SD FIELD]
						Moderately soft to soft, calcareous, thinly banded, CS2- foliated, calcareous phyllite.
						Banding on scale of 1cm or less. S2 surfaces are silvery green; cut surface is
						pale olive green. Both upper and lower contacts are gradational over 10cm
						Core intact w/ good recovery
	116.11	121.38		17	5B1012	
						Moderately soft, calcareous, thinly banded, CS2- foliated, medium to medium dark gray phyllite
						Banding defined by thin pale gray qtz-calcite bands. S2 surfaces are shiny gray to
						steely gray. Minor euhedral, scattered pyrite porphyroblasts throughout interval.
						One 2cm thick band of black SA phyllite @ 203'. Upper contact gradational
						and lower contact reasonably sharp.
						TOI-217 Slightly broken w/ reasonable recovery. Some core missing 177-187 (1')
						No noticeable reason for missing core
						217-218 Very broken & rubbly
						218-EOT - Mod. broken to slightly poker chippy w/ reasonable recovery
	121.38	121.43		18	5A16119	& O → 4AO
						Very dark gray to black, generally noncalcareous, CS2- foliated, moderately hard to hard
						phyllite. S2 surfaces are shiny black and strongly mark fingers. Softer intervals are calcareous
						and harder intervals are noncalcareous. Thinly banded w/ bands marked by thin dark gray
						siltstone intervals. Also contains coarser white vein qtz w/ disseminated pyrite.
						Veins parallel S1 and S2. Give unit a definite appearance of being transitional
						to ribbon-banded 4A
						Core mod. broken w/ rubbly interval 240-241 Rubble associated w/ qtz vein.
						Recovery OK

CORRAGH RESOURCES INC.

Lithologic Log

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Date: June 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121413 0	121712 0		19	51B1012I	→ (5B07) 50:50
						Moderately soft, CS2-foliated, calcareous, thinly banded phyllite. Banding defined by thin (<1cm) pale grey gtz-calcite, silty appearing bands. Unit ranges from medium to medium dark grey at TOI to pale grey at EOI. Lighter portion of interval has greenish tinge on cut surface. S2 surfaces are shiny grey to silvery grey. Contains scattered pegmatitic white bull qtz veins. Scattered porphyroblasts of euhedral pyrite. Minor patchy developed orange rust staining on S2 surfaces and on cutting fractures. Lower contact gradational
						TOI - 255 Moderately broken & poker chippy. Recovery OK
						255 - 265.5 Moderately broken w/ local rubble. Recovery OK
						265.5 - 269.5 Slightly broken. Recovery OK
						269.5 - EOI Very broken and rubbly. Recovery OK
	121712 0	121817 0		110	51B1017I	
						Moderately soft, CS2-foliated, calcareous, thinly banded phyllite. Banding delineated by pale grey calcite-quartz bands/laminae up to 1cm thick. S2 surfaces are pale shiny grey, locally they have a greenish mottling. Cut surface pale grey w/ medium green tinge where west. Both upper and lower contacts are gradational.
						TOI - 273 Rubble w/ good recovery
						273 - EOI Mod. to slightly broken w/ slight poker chippiness. Recovery good
L	121817 0	121919 4		111	51B1710I	[SD FIELD]
						Moderately soft, slightly calcareous, CS2-foliated, pale olive green, thinly banded phyllite. S2 surfaces are smooth pale olive green. Banding defined by 1-3mm thick pale grey to white qtz ± calcite bands and laminae. Upper contact gradational; lower contact marked by sharp change across 10cm bull qtz vein. Core slightly broken w/ good recovery

DDH 89-DS-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

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Date: June 26/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12919 4	13016 0		112	5B101	
						Moderately soft, CS2-foliated, calcareous, medium pale grey phyllite. Thinly banded w/ microlithons defined by slightly coarser, pale grey qtz-calcite bands & laminae. S2 surfaces shiny to silvery grey. Contains scattered subhedral pyrite porphyroblasts. Lower contact gradational into next unit.
						Core slightly broken, minor gaps, chippy in part. Recovery OK
	13016 0	13118 9		113	5B1701	[SD FIELD]
						Pale olive green, slightly calcareous, CS2 and PS2 foliated phyllite. Moderately hard. Thinly banded in shades of green w/ thin bands & laminae of slightly banded, very pale green quartz ± calcite. Bands < 1cm thick and range from 50% to 10% of unit. S2 surfaces are waxy pale olive green. Interval starts darker green & gets lighter and more uniformly green as go down DDH. Lower contact sharp against homogeneous, soft, chloritic phyllite. Core intact w/ good recovery
L	13118 9	13130 0		114	5C161	& 5B76# (5B76) 70:30
						Soft, homogeneous, medium to medium dark green, noncalcareous chloritic phyllite locally slightly calcareous and/or dolomitic. S2 surfaces are dark chlorite green. Locally fine mottled to spotted texture interpreted as relict igneous. Locally has disseminated fine, noncalcareous tan specks.
						Interbanded w/ moderately hard, PS2-foliated, thinly banded, pale green phyllite. Noncalcareous. Banding defined by thin pale green, qtz bands and laminae less than 1cm thick. S2 surfaces are pale to silvery green. Contacts between these 2 lithologies are sharp and subparallel S2.
						Core mod. to slightly broken w/ good recovery

DDH 85DS-01
2 8

CURRAGH RESOURCES INC.

Lithologic Log

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Date: June 26/85 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131.00	131.65		115	51C161	& 3
						Homogeneous, moderately soft, PS2-foliated, medium to dark green chloritic phyllite. Calcite present in matrix only very locally. Contains overall a fine equigranular to mottled relict igneous texture in shades of green & grey. S2 surfaces only poorly developed — they are dark chloritic greens. Appear contact change / lower contact very gradational. Core intact w/ good recovery.
L	131.65	131.70		116	51C181	
						Dark greenish black, noncalcareous, very soft, homogeneous, massive pyroxenite (?) Core serpentinized — slightly magnetic. Mottled relict igneous texture w/ subrounded pale green pheneocrysts/porphyroblasts in a dark green-black matrix. Minor quartz-calcite veining along late stage fractures. Broken surfaces are very dark green. S2 not readily visible.
						TOI-351 Core mod. broken w/ short very broken & rubbly intervals. About 1 foot core missing between 337-347.
						351-357 Very broken & rubbly because of qtz-calcite fracture commonly going down the core axis.
						357-EOI Very broken & rubbly
L	131.70	131.720		117	51C181	GOUGE
						Dark green, very soft, noncalcareous chloritic phyllite. Same as above Unit # 16 (336.5-367) only extremely broken w/ rubble and gouge. Larger pieces have mottled relict igneous texture. Recovery seems good. About 40% and 60% broken pieces. Most gouge up near top of interval.

DDH B.9.D.S.-01 (2 of 8)

CURRAGH RESOURCES INC.

Lithologic Log

Page _____

Date: June 26/89 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131712.0	141014.5		118	STC61	& $ &#
						Moderately soft, medium to medium dark green, PS2-foliated, chloritic phyllite. S2 surfaces are dark chlorite green. Locally calcareous and/or chloritic. Has fine equigranular relict igneous texture giving it a speckled gray green appearance. S2-folds, homogeneous, is well-developed. Locally slightly porous w/ calcite veins/veining recessively.
						TOI - 383 Very broken w abundant rubble & sand gouge. Gouges most significant @ 374-375 and 382-383. Recovery looks OK
						383 - EOH Mod. broken & poker chippy w/ minor incipient rubble & gouge. Again recovery looks OK
	141014.5	141110.0		119	STC61	[SFG]
						Soft, medium greens, PS2-foliated, noncalcareous chloritic phyllite. S2 surfaces are silvery green. Contains small dark green chlorite streaks within S2. Contains very minor interbands of Unit # 18 (372-404.5) and Unit # 20 (410-416). Core mod. broken w/ incipient gouges. Recovery OK.
	141110.0	141166.0		120	STB1710	[SD FIELD]
						Moderately hard, slightly calcareous, CS2-foliated, thinly banded, pale olive green, chloritic phyllite. S2 surfaces are shiny olive green. Banding defined by thin qtz ± calcite bands & laminae. Typically these are slightly beaded (6 qtz veins/m) because of the S2 deformation. Marginal contacts are sharp. All bands are generally fine grained. Some coarse, dark green chlorite associated with pegmatitic white qtz veins.
						Core very broken & rubbly w/ short gouge intervals. Gouges about 10cm long. Recovery OK.

DDH [redacted]-01

CORRAGH RESOURCES INC.

Lithologic Log

Page

Date: June 27/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	141160	141214		1211	5TC10131	[5F03]
						Pale to medium green, calcareous, homogeneous, both CS2-foliated and PS2-foliated chloritic phyllite. Moderately soft. Calcite as thin diffuse bands and stringers. Contains dark green chlorite streaks both in S1 and S2 cleavages. Upper and lower contacts sharp subparallel S2.
						Core intact w/ excellent recovery. S2 surfaces are pale waxy green.
L	141214 0	141314 6		1212	5B17101	[5D FIELD] (5C03 [5F03]) 60:40
						Major unit is moderately hard, slightly calcareous, pale green, thinly bedded, fine-grained phyllite. Banding defined by 1cm or less variations in shades of pale green. Cut surface has smooth feel and appearance. S2 surfaces are pale silvery green. Dominantly CS2-foliated w/ minor PS2-foliated intervals.
						Intebanded w/ rock similar to Unit # 21 (416-424) Pale to medium green, PS2-foliated, slightly calcareous, homogeneous, moderately soft phyllite. Dark green streaks in S2-plane visible on cut surface. S2 surfaces are pale green. Marginal contacts are sharp parallel S2.
						TOI-432 Core intact to slightly broken. Recovery OK.
						432-EOI Core very broken w/ rubble. Recovery OK.
	141314 6	141415 0		1213	5TC10131	& 3
						Soft, pale green, PS2-foliated, moderately calcareous, chloritic phyllite locally slightly dolomitic instead of calcareous. Relict igneous texture defined by pepper and salt spotted appearance on cut surface. Also contains dark green streaks in S2 plane. Scattered very small, noncalcareous, pale tan streaks parallel S2. Marginal contacts sharp parallel S2.
						Core very broken w/ short rubbly intervals & 1 incipient gouge zone. EOI. Recovery OK.

C.R.I. 1987 E-3A

DDH B.S.D.S.-01 2

CURRAGH RESOURCES INC.

Lithologic Log

Page

Date: June 27/89 Logged By: LGP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	141415 0	141517 0		1214	51817101	→ (5B7$) 75:25
						Moderately soft, pale olive green, thinly banded, moderately calcareous, dolomitic phyllite. Banding laminated in shades of green. S2 surfaces are pale silvery green. Generally CS2-foliated With depth becomes dolomitic and weathers to a very pale tan. At same time becomes laminarily PS2-foliated. Upper contact hidden in minor gouge & rubble. Lower contact marked by colour change & start of rubble. Core mod. broken & slightly poker chipped. Recovery OK.
	141517 0	141811 0		1215	5TB121$1	→ (5C4$ [5D4$]) 65:35
						Top of unit is moderately soft, medium grey, dolomitic, CS2-foliated phyllite. S2 surfaces are shiny grey. Dolomite in thin, tan-weathering bands associated w/ quartz. At about 471' unit changes to moderately soft, dolomitic, pale tan to pale green, PS2-foliated phyllite. Massive, homogeneous appearance. One piece contains a spot of bright green "fuchsite". S2 surfaces are silvery beige or silvery pale green. Difficult to see through alteration to know if unit originally SD or SC.
						Core rubble w/ only minor gouge. TOI-472 recovery OK / 472-477 only 2.5' core / 477-EOT 2.5' core.
	141811 0	151415 0		1216	G10141GIE	
						Silvery grey, calcareous, mud gouge. Contains fragments up to 2-3 cm thick of typical SB$ phyllite. S2 surfaces of pieces silvery grey. Upper contact hidden in rubble. Lower contact also rubble w/ ground pebbles. Major fault.
						TOI-482 1' core / 482-487 3' core / 487-494 4' core / 494-500 3.5' core / 500-507 6' core / 507-513 1.5' core / 513-517 4' core / 517-533 0.7' core / 533-537 2' core / 537-544 2' core / 544-EOT 0.5' core Recovery bad

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Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	151415.0	151615.0		1217	57B101&1$	
						Moderately soft, calcareous, CS2-foliated, pale medium grey phyllite. Unit locally dolomitic as well as calcareous. Dolomitic intervals weather to a pale tan. Thinly banded w/ bands defined by pale grey carbonate-qtz intervals/bands/laminae. Thickness ranges from 1-2 mm to 2-3 cm. Scattered rubbled and pyrite porphyroblasts up to 1 cm across. S2 surfaces are steely to shiny grey.
						Core mod broken. TOT - 561 // 561 - EOT mod broken & poken, chippy. Recovery OK.
	151615.0	151712.0		1218	57B101&1$	Rubble Gouge.
						Same as Unit # 27 (545-565) CS2 foliated, moderately soft, calcareous & locally dolomitic, medium grey phyllite. Scattered pyrite porphyroblasts. More extensive qtz-carbonate veining. Thinly banded. Not a major fault.
						Rock very broken & rubbly w/ some gouge. Gouge possibly washed away. Most rubbly in qtz-veins intervals. Recovery 567-572 only 4' core.
	151712.0	161417.0		1219	57B101&1$	
						Pale to medium grey, CS2-foliated, moderately soft, moderately calcareous phyllite. Locally dolomitic, these intervals weather w/ pale tan. Thinly banded w/ bands defining pale grey qtz-carbonate microlithons and S2 parallel bands. Thickness of bands ranges 1-2 mm - 2-3 cm. Scattered pyrite porphyroblasts. S2 surfaces shiny grey.
						Core slightly broken w/ good recovery.
						REAMED CASING DOWN - in process hole deviated slightly so some core upcorked.

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CORRAGH RESOURCES INC

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Date: June 22/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	151813.0	161812.0		1310	51B101$1	
						Moderately soft, PS2 to gravelly CS2-foliated, pale grey, calcareous and/or dolomitic, phyllitic S2 surfaces are shiny medium grey. Thinly banded w/ banding defined by pale grey carbonate-qtz silty intervals 2mm - 2cm thick. Bands parallel S2 and defining poor microlithons. Grey qtz-carbonate weathers pale tan where dolomite abundant. Scattered pyrite porphyroblasts. Minor qtz-carbonate bull qtz veins are crudely foliaform.
						TOI - 593 Mod. broken w/ local rubbly. Recovery OK
						593 - 594.5 Calcite cemented breccia w/ randomly oriented phyllitic angular clasts up to 1cm across. Core rubbly. Contacts lost in rubble. Recovery OK
						594.5 - EOI Core slightly broken w/ short mod. broken intervals. Intvl 647-657 about 1' core missing. Elsewhere recovery OK
	161812.0	161817.0		1311	51B101$1	GOUGE
						Same as Unit #30 (583-682) only rubbly w/ minor gouge. Thinly banded calcareous & dolomitic, pale grey, moderately soft phyllite. Contains abundant qtz-calcite veins locally the veins are weathering very recessively - especially along recutting fractures. Not a major / significant fault.
						Core rubbly. Broken 677-687 here 4.5' core missing — probably in this interval.
L	161817.0	171617.0		1312	51B101$1	S2
						Moderately soft, pale to medium grey, CS2-foliated, calcareous and locally/commonly dolomitic, phyllitic. Thinly banded w/ bands defined by pale grey qtz-carbonate intvls up to 2cm thick. Dolomitic silty bands weather to a very pale tan. S2 surfaces are shiny to waxy grey. Scattered pyrite porphyroblasts up to 1cm across.

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Date: June 20/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
				1312		TOI - 717 Mod. broken w/ local gokan chippy intvls. Recovery OK
						717 - 720 Gokan chippy w/ small rubbly intervals. Recovery OK
						720 - 767 Core slightly broken Recovery excellent
	171617 0	181010 0		1313	5781$1	
						Moderately soft, poorly CS2-foliated, medium grey, dolomitic phyllite. Dolomite associated
						w/ qtz as pale grey bands and laminae up to 2cm thick. Bands parallel S2 and
						also defining micro-lithons. Typically the bands weather beige to pale orange.
						S2 surfaces are shiny/silvery grey. Scattered specks graphite blebs. Stage qtz-carbonate
						fractures are locally vuggy w/ drusy, rounded mounds of crystals growing inwards from
						fracture walls.
						TOI - 771 Very broken & rubbly Recovery not 100% but OK
						771 - 782 Very broken w short rubbly intervals. Recovery OK
						782 - EOI Mod. broken w/ good recovery. 10cm rubble @ 797.
	181010 0	181150		1314	5101$191	(SBA#) 70:30
						Moderately soft, PS2-foliated, pale olive green, homogeneous chloritic phyllite. S2 surfaces
						are silvery pale olive green. Weathers w/ even beige/pale tan colours. Contains
						foliation qtz veins w/ abundant irregular bay red sphalerite and galena. Sulphides look
						like fracture infillings w/in qtz vein. Overall grade low because of extensive dilution.
						Interbanded w/ medium dark grey, mod. soft, CS2-foliated, dolomitic phyllite.
						S2 surfaces are dark shiny grey. Dolomite associated w/ qtz in silty bands defining
						micro-lithons and parallel S2.
						Core slightly to moderately broken 802.5-804 rubbly in association w/
						qtz vein and steep fracture. Recovery OK.

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Date: June 28/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	181150	181217.5		1315	5181$1	
						Medium grey, CS2-foliated, moderately soft, dolomitic phyllite. Dolomite w/ pt in silty bands defining S1 microlithons and parallel S2 silty bands weathers orange-beige. S2 surfaces are medium dark shiny grey. Lower contact gradational w/ decrease in shiny tan weathering aspect. Scattered pyrite porphyroblasts. Core intact - recovery good
	181217.5	191017.0		1316	5B101±1$	
						Moderately soft, CS2-foliated, medium grey, calcareous phyllite. Locally dolomitic w/ dolomitic intervals weathering pale tan. S2 surfaces are shiny grey. Thinly banded w/ banding defined by pyr-carbonate silty intervals up to 2cm thick parallel S1 and S2. Scattered pyrite and pyrrhotite porphyroblasts. Both upper and lower contacts gradational.
						Core slightly broken w/ good recovery. Short rubbly intervals @ 847.0-847.2, 848.0-848.4, 865.5-867.0, 882.0-884.5, 896-897
	191017.0	191417.7		1317	5B1017	±$ (SD6 ±$) Minor
						Medium grey, calcareous, CS2-foliated, moderately soft, thinly banded phyllite. S2 surfaces are silvery grey. Locally silty bands are dolomitic rather than calcareous. Cut surface has definite medium green tinge in pelitic intervals. Both py and po as scattered porphyroblasts - po dominant. Minor vuggy features of inward growing crystals near TOI. Near EOI very minor pale green, soft, homogeneous, PS2-foliated, noncalcareous to dolomitic chloritic phyllite. Core slightly broken w/ good recovery. Short rubble zones @ 912, 914.5, 922.5
	191417.7	191825		1318	5B1017	(SD0) 80:20
						Thinly banded, moderately soft, CS2-foliated, calcareous, medium pale grey phyllite. S2 surfaces are silvery grey. Cut surface has medium green tinge through the grey. Contains interbands

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Date: June 20/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		191812 5		1318		of homogeneous, PS2-foliated, pale olive green, calcareous phyllite. S2 surfaces are pale waxy green. Bands: ranges from 3cm to 50cm thick. Marginal contacts sharp and subparallel S2. Interbands occur dominantly in top ½ of unit. Contain diffuse small qtz-calcite veinlets parallel S2. Pelite contains scattered py > po grains. Unit slightly broken up good recovery. Rubbly from 984-985.5 w/ qtz vein.
L	191812 5	1101217 0		1319	5TD101	(5B70) 65:35 Pale green, moderately soft, calcareous phyllite. S2 surfaces are pale silvery green. Scattered pyrite and pyrrhotite porphyroblasts. Intimately interbanded homogeneous phyllite and CS2-foliated, microlithonod phyllite. Homogeneous phyllite PS2-foliated although locally it has diffuse white laminae. Difficult to distinguish between known 5D and known 5B7. Marginal contacts locally sharp but also locally appears gradational. Core intact to slightly broken with good recovery.
L	1101217 0	1101912 0		1410	5TB10171	(5D0)(5B20) 70: 20:10 Dominant unit is medium grey, calcareous, moderately soft, thinly banded phyllite. CS2-foliated (locally PS2-foliated) w/ banding and microlithons defined by pale grey quartz-calcite bands & laminae up to 2cm thick. Cut surface has a medium green tinge through ambient grey. S2 surfaces are shiny grey. Contains scattered py and po porphyroblasts. Most of this type is in bottom ½ of DDH interval. Interbanded dark grey, thinly banded, calcareous phyllite and pale olive green, calcareous, homogeneous, PS2-foliated, chlorite phyllite make up rest of interval. These 2 types occur mainly in top ½ of interval. Chlorite phyllite contains faint white qtz-calcite laminae locally. Marginal contacts of chlorite phyllite are sharp w/
1						

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Date: June 29/89 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1101217 0	1101912 0		1410		small scale interfingering along S2. Thicknesses of chloritic phyllite range from 5cm to 50 cm.
						TOI - 1033 Mod. broken w/ good recovery
						1033 - 1034 Very broken w/ numerous steep qtz-carbonate infilled veinlets/ fractures. Dolomite instead of calcite as dominant carbonate. Recovery OK
						1034 - 1041 Core slightly broken w/ good recovery
						1041 - 1043 Very broken w/ local rubble & gouge. Associated w/ fracture system w/ known contact of 35/000 wrt S2. Dolomite instead of calcite as the dominant carbonate. Recovery OK
						1043 - EOI Slightly broken w/ local gabby chippy intervals Recovery OK
	1101912 0	1111113 0		1411	5D10	(5B70) 80:20
						Moderately soft, calcareous, olive green, PS2-foliated, homogeneous chloritic phyllite. Locally veinlets and diffuse laminae of white qtz-calcite up to 5mm thick. Cut surface has mouldy silky aspect. Locally cut surface has bluish green sheen. S2 surfaces silvery green to medium green. Locally core thinly banded w/ well developed microlithons. Generally a slightly darker green, more micaceous aspect. S2 surfaces silvery green. Breaks w/ more gabby chippy aspect.
						Some scattered gy porphyroblasts. Locally vuggy along steep fractures w/ crystals growing inward from fracture walls.
						TOI - EOI Slightly broken to intact w/ excellent recovery
L	1111113 0	1111510 0		1412	5MB17101	(5D0) 50:50
						Similar lithologies as last unit # 41 (1092-1113) only proportions differ. Scattered gy and gn porphyroblasts. S2 surfaces of 5B silvery pale green. Marginal contacts between units steep parallel S2. Locally difficult to distinguish between

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Date: Jun 29/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	11111.3 0	11151.0 0		1412		Re two units. 587 more dominant in top ½ of interval.
						TOI - 1146 Mod. broken w/ good recovery
						1146 - EOI Very broken & rubbly 1147-1150 has 1' core loss — probably in the broken interval.
	11151.0 0	11181.2 0		1413	5181	
						Moderately soft, CS2 - foliated, thinly bedded, medium grey, dolomitic phyllite. S2 surfaces steely grey. Weathers w/ pale beige — especially in qtz-carbonate bands which define the S1 microlithons. Unit slightly broken when typical SB. - but only slightly.
						Scattered pyrrhotite porphyroblasts
						TOI - 1157 Very broken w/ OK recovery
						1157 - EOI Mod. broken w/ good recovery
L	11181.2 0	11181.7 0		1414	5B101	
						Same as last Unit # 43 (1150 - 1182) only carbonate in pale grey qtz-carbonate bands and laminae is calcite, instead of dolomite. S2 surfaces are silvery to steely grey. Core slightly broken to intact w/ reasonable recovery.
L	11181.7 0	11210.8 5		1415	5D101	(5B30)(5B20) 50:30:20
						Dominant unit is moderately soft, olive green, calcareous, homogeneous to diffusely laminated, largely PS2 - foliated chloritic phyllite. Diffuse microlithons locally defined by thin white calcite-qtz laminae. S2 surfaces are wavy olive green. Marginal contacts w/ other units sharp and generally parallel S2 but locally microlithoned along S1. Intervals are 10cm to 50cm thick.
						Second most common unit is moderately soft, CS2 - foliated, thinly bedded, calcareous, medium greenish grey to medium green phyllite. S2 surfaces generally are silvery grey.

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Date: June 29/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	111817.0	112018.5		1415		Distinguished from previous unit by microlithonod texture and by grey aspect to S2 surfaces. Final unit is medium dark grey, CS2-foliated, calcareous, moderately soft, thinly banded phyllite. S2 surfaces are dark steely grey and do not mark fingers. Scattered po and py porphyroblasts in all 3 units. 5B20 contains small ovoid, dark grey to black, hard "clasty" concretions (?). Core slightly broken w/ good recovery.
	112018.5	112114.2		1416	5D141$1	(5B2$) 80:20 PS2-foliated to CS2-foliated, moderately soft, pale grey, dolomitic, muscovite-q to phyllite. S2 surfaces are silvery grey to white. Weathers to a pale tan. CS2-foliated intervals may be altered 5B. Interbanded on 5 - 30cm scale w/ moderately soft, dark grey, thinly banded, CS2-foliated, dolomitic phyllite. S2 surfaces are dark shiny grey.
						Similar to last unit — extension of last unit — only dominant carbonate is dolomite and chlorite appears altered to muscovite. Core slightly broken and recovery is good.
	112114.2	112411.0		1417	5D101±$	(5B20 ± $) 80:20 Moderately soft, calcareous and/or dolomitic, pale olive green, homogeneous chloritic phyllite. Dominantly PS2-foliated; locally laminated and CS2-foliated. Contains slight tan-weathering buff — especially in more dolomitic intervals. S2 surfaces silvery olive to silvery cream.
						10 - 100 cm interbands of calcareous and/or dolomitic, dark grey, CS2-foliated, thinly banded phyllite. S2 surfaces are steely grey. Marginal contacts are sharp and parallel S1. Thin unit dominantly in upper ½ of interval. Lower contact gradational & marked by increasing alteration. Core slightly broken — recovery good.

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Date: June 29/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	112141.0	112417.0	1	1418	SDI41$1	
						Moderately soft, PS2-foliated, pale creamy, slightly dolomitic, muscovite-qtz phyllite. Contains thin white qtz-bands & laminae similar to classic "SD core". Also locally has faint olive green tinge on cut surface locally. S2 surfaces are silvery creamy. Locally qtz veins are green because of carbonate weathering out.
						Core very rubbly No gouge Recovery OK
L	112417.0	112616.8	1	1419	SDB121$1	($SD4$)(SB) 60:25:15 ± Gouge
						Dark grey, moderately soft, thinly banded, CS2-foliated phyllite. Dolomitic and locally calcareous S2 surfaces dark steely grey and do not mark fingers. Occurs dominantly near lower ½ of interval
						Interbanded pale grey w/ olive tinge, moderately soft, PS2-foliated, slightly dolomitic, chlorite-muscovite-qtz phyllite. S2 surfaces are silvery cream. Intervals 3cm - 100cm
						Recessive pale grey, CS2-foliated, moderately soft, thinly banded, dolomitic phyllite. S2 surfaces silvery grey. Occurs dominantly in middle ⅓ of interval.
						TOI - 1250 Very broken & rubbly w/ gouge. Upper contact 25/000 wrt S2 lower contact hidden in rubble. Recovery looks OK
						1250 - 1253 Mod. broken & golden chippy. Recovery OK
						1253 - 1263 Very broken & rubbly & golden chippy. Only incipient gouge. Recovery OK
						1263 - EOI Tectonic bxa and gouge. Intense fabric dips @ 30° lower contact 40/000 wrt S2 Upper contact hidden in rubble. Recovery seems reasonable
						Could be a significant fault

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Date: June 29/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	112.6	121.7		1ST0	STB121	(5D4) 80:20
						Moderately soft, CS2-foliated, medium dark grey, dolomitic phyllite. Thinly banded w/ banding parallel S1 and S2 — bands are pale grey dolomite-qtz and weather pale tan. S2 surfaces are steely grey. Upper 2' core contains 2 bands of moderately soft, PS2 foliated, pale cream muscovite-qtz-dolomite phyllite. Weathers to a pale tan, S2 surfaces are silvery cream. Margins are sharp parallel S1 and generally conformable w/ S2. Lower contact is gradational into unit w/ calcite as dominant carbonate. Scattered po porphyroblasts.
						Interval intact to slightly broken w/ excellent recovery.
L	121.7	131.3		1ST1	STB1012	(5D0) 90:10
						Moderately soft, medium to medium dark grey, calcareous, thinly banded, CS2-foliated phyllite. Calcareous bands up to 2cm thick display S1 microlithons. S2 surfaces are shiny, steely grey.
						Minor interbands of homogeneous, PS2-foliated, slightly calcareous, olive green chloritic phyllite. S2 surfaces are silvery olive green. Moderately soft locally has diffuse, poorly defined laminae and microlithons. These bands are up to 1cm thick; they occur largely near top of interval.
						Scattered po porphyroblasts and 1 py porphyroblast w/ irregular po rim.
						Core slightly broken w/ good recovery.
	131.3	131.6		1S2	STD101	(5B20) (5B07) 50: 20:30
						Moderately soft, largely PS2-foliated, calcareous, pale olive green chloritic phyllite. S2 surfaces vary to silvery olive green. Contains thin white qtz-calcite veins which are parallel S2 and define S1 microlithons. Marginal contacts sharp parallel S1 — Photo of faulted contact @ 136.1' Intervals range from 1cm thick to centimetres

DDH Diamond Drill Hole

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Date: June 29/89 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
	1131213	1131616.5		1572		Above 4.5m thick.
						Interbanded w/ SD are shades intervals of medium dark grey, moderately soft, calcareous, thinly banded phyllite. CS2 - foliated w/ microlithons defined by pale grey qtz-calcite siltstone bands and laminae up to 2cm thick. S2 surfaces steely grey and do not mark fingers. At 1335' have 1.5cm thick dark grey-black, hard, spherical "chert" nodule. Carbonaceous bands generally 10cm - 50cm thick and occur mainly near TOI
						Interbanded w/ other unit are medium grey, CS2 - foliated, calcareous, thinly banded phyllite. S2 surfaces are silvery grey. Cut surface has definite medium green tinge on micaceous bands when wet. Distinguished from SD by microlithon texture and by grey on S2 surfaces. Occurs dominantly in lowest ½ of unit.
						Some scattered qtz porphyroblasts. Minor lalamite in SB near gouge & rubble @ 1346'
						TOI - 1337.5 Slightly to moderately broken w/ good recovery
						1337.5 - 1340.0 Very broken & poker chippy, local incipient gouge. Recovery good
						No major faults
						1340.0 - 1346. Slightly to moderately broken. Recovery good
						1346 - 1347 Rubble & very broken w/ incipient gouge. Upper contact gouge & S2
						Recovery good
						1342 - EOI Mod broken. Recovery good.
	1131616.5	1131917.5		1573	SB1017	± ϕ
						Medium grey, CS2 - foliated, thinly banded, moderately soft phyllite. S2 surfaces silvery grey to greenish grey. Cut surface has medium green tinge when wet. Upper contact gradational & marked by decrease in carbon. Lower contact gradational & marked by further carbon decrease and appearance of SD bands. Scattered qtz porphyroblasts. Banding defined by pale grey qtz-carbonate. Interval 1373.5 - 1376.5 primary carbonate is

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Date: June 29/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	113161.5	113191.5		513		dolomite rather than calcite. Dolomitic interval weathers pale tan and is marginal to a 1 foot thick gouge zone.
						TOI - 1374 Slightly broken w/ good recovery
						1374 - 1375 Mud gouge. Upper contact 20/000 wrt SZ lower contact parallel SZ Recovery good
						1375 - 1376.5 Healed fractured brx. Orientation 20/000 wrt SZ Recovery good. Core intact
						1376.5 - EOI Core intact w/ good recovery.
	113191.5	114121.5		514	5B1701	(SDO) 95:05
						Moderately soft, calcareous, CSZ-foliated, pale greenish grey, thinly banded phyllite. SZ surfaces waxy grey w/ greenish tinge. Cut surface strongly microlithoned and banded w/ pale grey qtz-calcite and medium green chlorite-muscovite banding locally pressure calc chutes are a slightly darker grey. Banding is on scale 1-3cm.
						Contains intrabands of homogeneous, pale olive green, PSZ-foliated, calcareous, chloritic phyllite. SZ surfaces are waxy olive green. Thickest band is about 30cm. Marginal contacts are sharp, parallel SI which in many cases is subparallel SZ.
						Interval contains scattered pyrhotite porphyroblasts.
						TOI - 1401.0 Intact w/ excellent recovery
						1401.0 - 1402.0 Mod broken & rubbly on steep fracture going down core axis
						1402.0 - 1423.5 Mod broken w/ reasonable recovery.
						1423.5 - 1424.5 Gouge and broken chippy rubble in SR lower contact has fracturing parallel SI and SZ. Recovery seems OK.

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Date: June 30/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1412150	1415170	1	155	5B17101	
						Moderately soft, calcareous, thinly banded, CS2- foliated, pale greenish grey phyllite. Banding on scale 1-3 cm S2 surfaces waxy greenish grey. Cut surface grey-green when wet. Strong colour banding between pale grey and medium grey-green on wet cut surface. Excellent microlithon texture developed. Scattered pyrrhotite porphyroblasts
						Interval intact w/ excellent recovery
						WEDGE SET @ 1447' for top of wedge.
	1414170	1416148	1	156	5B17101	
						Same as Unit # 55 (1425-1457) Interval redrills some of previous unit from top of wedge (at 1447) Wet cut surface is medium green, CS2- foliated w/ abundant to sparse pale grey calcite-quartz microlithons. Scattered po porphyroblasts. Core intact w/ good recovery
	1416148	1418130	1	157	5B17101	(SDO) 95:05
						Pelite is exactly same as last 2 units # 55 (1425-1457) and #56 (1447-1464.8) Medium green (wet), moderately soft, CS2- foliated, calcareous phyllite. S2 surfaces are waxy grey w/ greenish tinge.
						Contains interbands of calcareous, homogeneous, moderately soft, BS2- foliated, olive green phyllite. Thickest band = 20cm Sharp marginal contacts parallel S1 and folded by S2. See thin bands going around S2 fold hinges
						Core slightly broken & poker choppy w/ excellent recovery.

End

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Fault Log Date: May/89 Logged By: J. H. DAVIS

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		
F	87.40	87.42	Q								cofolial
F	87.65	87.70	Q								"
F	87.90	87.95	Q								"
F	88.15	88.24	2,R,Q								"
F	88.85	88.87	Q								"
F	89.47	89.50	Q								"
F	90.30	90.39	Q								irregular patchy
F	90.45	90.48	Q								cofolial
F	91.00	91.12	Q								irregular patchy
F	94.06	94.14	Q								cofolial
F	97.74	97.76	Q								"
F	98.40	98.72	1,R,Q								cofolial + patchy 50% veining
F	98.80	98.83	Q								cofolial
F	84.80	84.84	T								
F	86.67	86.69	T								
F	88.10	88.35	Q,R								
F		89.43	J				19	180			
F		89.66	J				30	900			
F	102.53	102.55	Q		35	180			77	990	patchy vein
F	103.27	103.37	T,R								
F	103.80	103.82	Q								cofolial
F	104.00	104.16	J				12				foliation horizontal
F	104.31	104.36	G								
F	104.82	104.91	Q								cofolial
F	105.89	105.94	T								
F	107.70	107.75	R								
F	109.20	109.30	J				080	000			
F	111.50	111.53	Q								cofolial
F	114.60	115.65	R,T								20% cofolial veins
F	117.35	117.40	T								bearing cofolial & random
F	117.97	118.00	R								
F	119.26	119.23	Q								cofolial
F	124.10	126.60	TR								"
F	127.10	127.15	Q								"
F	128.83	128.86	Q								"
F	128.90	128.97	Q								"

DDH DS89-01 (2 8) CURRAGH RESOURCES INC. Page 22 of 29

Fault Log Date: May/89 Logged By: J.H. DAVIS

Code	FROM	TO (At)	Feature	REC.	UPPER Dip Direct	INTERNAL Dip Direct.	LOWER Dip Direct	Description
I	10 14	16 20	22 24	28	28 32	34 38	40 44	
F	1,2,9,8 8	1,2,9,9 6	Q					cofolial
F	1,3,0,0 6	1,3,0,1 0	Q					"
F	1,3,0,4 3	1,3,0,4 5	Q					"
F	1,3,0,6 0	1,3,0,6 4	Q					"
F	1,3,0,6 8	1,3,0,7 0	Q					"
F	1,3,0,9 9	1,3,1,0 3	Q					"
F	1,3,1,3 0	1,3,1,4 0	Q					"
F	1,3,1,4 7	1,3,1,5 2	Q					"
F	1,3,3,7 0	1,3,4,0 0	T,R					
F	1,3,4,6 0	1,3,4,6 4	R					
F	1,3,7,4 0	1,3,7,5 3	G					
F	1,4,0,1 0	1,4,0,2 0	Q,T					vertical frac.
F	1,4,2,3 6	1,4,2,5 0	R,G					
F	1,4,5,9 5	1,4,5,9 9	Q		7,2 0,0,0		6,4 1,8,0	2 small veins

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

PROJECT DY-SHAFT
LOCATION DS89-01
LOGGER J. H. DAULS
DRILLHOLE NO. ____
HOLE SIZE ____
INCLINATION ____
COORDINATES: N ____ E ____
ELEVATION ____
DATE MAY/89
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feet

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS (Hardness)	DEGREE OF BREAKAGE (# of break) CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING (cavernity)	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS (just joints) NO.	CROSS JOINTS FREQ.	COMMENTS
27	7	6.1		0													
37	10	4.0		0													20' overburden
47	10	10.0		2.9													
57	10	8.5		0													
67	10	9.5		4.7													
77	10	10		6.5													vert frac soln brec 57-63'
87	10	10		2.7													
97	10	10		0.9													
100	3	3		0													
107	7	7		0													
117	10	10		2.5													
127	10	10		7.7	MI	TAKE ?											
137	10	10		1.7		←											
147	10	10		3.6													
157	10	10		5.0													
167	10	10		6.8													
177	10	10		7.1													
187	10	9.2		2.9													
197	10	10		3.4													
207	10	10		1.5													
217	10	9.6		3.2													
225	8	8		4.6													
235	10	10		7.3													
245	10	10		2.0													
255	10	10		1.6													
265	10	10		0.4													

Fig. 1. Typical rock mechanics core log.

PROJECT: D4-SHAFT
LOCATION: DS 89-01
LOGGED: J. H. DAVIS
DRILLHOLE NO.:
HOLE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: MAY / 89
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PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

feet

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		SHARPNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CHARACTER	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
273	8	7.7		0.4													
283	10	10		4.9													
287	4	4		1.4													
297	10	10		6.9													
306	9	9		2.8													
313	7	7		1.5													
323	10	10		8.4													
327	4	4		2.7													
337	10	10		7.4													
347	10	8.7		3.3													
357	10	10		5.1													
367	10	10		3.2													
375	8	8		0													
380	5	5		0													
387	7	7		3.9													
397	10	10		2.6													
407	10	10		0													
417	10	10		2.6													
427	10	10		6.8													
436	9	9		2.5													
443	7	7		0.5													
449	6	6		0													
457	8	6.7		0													
463	6	2		0													
469	6	3.7		0.4													
472	3	3		0													

Fig. 1. Typical rock mechanics core log.

PROJECT: D4-SHAFT
LOCATION: DS89-01
LOGGED: J. H. DAVIS
DRILLHOLE NO.:
HOLE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: MAY/89
PAGE: 25 of 29

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 DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
477	5	2.5		0													
482	5	3		0													
487	5	2.5		0													
494	7	4.2		0													
500	6	3.6		0													
507	7	6.1		0													
513	6	1.6		0													
517	4	2		0													
533	16	0.5		0													
537	4	1.9		0													
544	7	1.9		0													
550	6	6		0													
557	7	6.9		0.6													
567	10	10		2.7													
572	5	3.7		0													
582	10	10		5.6													
591	9	9		3.0													
597	6	6		1.2													
607	10	10		4.3													
617	10	10		4.6													
627	10	10		3.2													
637	10	10		6.5													
647	10	10		2.6													
657	10	10		2.0													
667	10	10		5.4													
677	10	10		4.5													

Fig. 1. Typical rock mechanics core log.

PROJECT: D4 - SHAFT
LOCATION: DS 89-01
LOGGED: J. H. DAVIS
DRILLHOLE NO.:
HOLE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: MAY/89
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PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (m)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CONDITION	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
687	10	8.8		2.9													
697	10	10		3.7													
707	10	10		2.6													
717	10	10		3.0													
720	3	2.6		0													
727	7	7		2.7													
737	10	10		3.2													
747	10	10		4.6													
757	10	10		5.0													
767	10	10		6.3													
772	5	4.5		0													
777	5	5		0													
787	10	10		0													
797	10	10		3.2													
807	10	10		3.3													
817	10	10		6.4													
827	10	10		3.9													
837	10	10		5.3													
847	10	10		7.7													
857	10	10		4.5													
867	10	10		2.6													
877	10	10		1.4													
887	10	9.3		2.5													
897	10	10		1.0													
907	10	10		7.8													
917	10	10		4.6													

Fig. 1. Typical rock mechanics core log.

PROJECT: D4 SHAFT
LOCATION: DS89-01
LOGGED: J. H. DAVIS
BOREHOLE NO.:
BORE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: MAY/89
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (ft)	LENGTH OF RUN	CORE RECOVERY		RQD		REMARKS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CONTENT	RE.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
927	10	10		6.0													
937	10	10		6.7													
947	10	10		6.5													
957	10	10		4.8													
967	10	10		7.0													
977	10	10		5.0													
987	10	10		5.6													
997	10	10		4.7													
1007	10	10		3.6													
1017	10	10		5.1													
1027	10	8.7		2.1													
1037	10	10		1.1													
1047	10	10		0.4													
1057	10	10		5.8													
1067	10	10		5.8													
1077	10	10		7.6													
1087	10	10		5.3													
1097	10	10		7.1													
1101	4	4		3.4													
1107	6	6		3.2													
1117	10	10		5.5													
1127	10	10		7.8													
1137	10	10		8.3													
1147	10	10		4.7													
1157	10	8.8		0													
1167	10	10		6.9													

Fig. 1. Typical rock mechanics core log.

PROJECT: D4 SHAFT
LOCATION: DS89-01
LOGGED: J.H. DAVIS
DRILLHOLE NO.:
HOLE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: MAY/89
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		FRACTURES	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CONTINUITY	INT.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1177	10	10		6.4													
1187	10	10		5.7													
1197	10	10		5.4													
1207	10	10		7.3													
1217	10	10		5.9													
1227	10	10		8.2													
1237	10	10		1.1													
1247	10	10		0													
1256	9	9		0.5													
1266	10	10		0													
1277	11	11		4.0													
1287	10	10		8.2													
1297	10	10		6.4													
1307	10	10		4.6													
1317	10	10		7.5													
1327	10	10		6.0													
1337	10	10		3.3													
1347	10	10		2.2													
1357	10	10		3.2													
1367	10	10		6.9													
1377	10	10		2.8													
1387	10	10		5.5													
1397	10	10		5.1													
1407	10	10		4.3													
1417	10	10		3.5													
1423	6	5.6		0													

Fig. 1. Typical rock mechanics core log.

PROJECT: DY SHAFT
LOCATION: DS 89-01
LOGGED: J. H. DAVIS
BOREHOLE NO.:
HOLE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: MAY 89
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		EXTENT	INT.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1430	7	7		0.8													
1437	7	7		4.0													
1447	10	10		7.9													
1457	10	10		8.1													
1462	5	5		3.2													
1467	5	5		1.9													Wedge #1 - 1447 - 1483
1477	10	10		3.9													
1483	6	6		1.1													

Fig. 1. Typical rock mechanics core log.

PROJECT DY-SHAFT DRILLHOLE NO. 89 DS 01 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of _

LOGGER Reznik & Kerber INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD >2½"		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.	
27	7	5.5	—	0	—	—	3	—	C	—	—	—	—	—	1	—	
37	10	3.8	—	0	—	—	3	—	C	—	—	—	—	—	1	—	
47	10	9.0	—	1.3	—	—	6	—	D	—	—	—	—	—	1	—	
57	10	7.8	—	[illegible]	—	—	6	—	D	—	—	—	—	—	1	—	
67	10	9.2	—	4.7	—	—	7	—	D	—	—	—	—	—	2	—	
77	10	10.0	—	6.15	—	—	8	—	D	—	—	—	—	—	1	—	
87	10	10.0	—	2.8	—	—	7	—	D	—	—	—	—	—	0	—	
97	10	10.0		1.3			6		D						0		
100	3	3		.35			6		D						2		
107	7	7		.9			6		D						4		
117	10	9.1		2.60			[illegible]		D						4		
127	10	10		6.65			6		D						0		
137	[illegible]	[illegible]		[illegible]			6		D						5		
147	13	13		5.3			8		D						5		
157	10	10		[illegible]			7		D						1		
167	10	10		5.45			[illegible]		E						3		
177	10	10		5.7			9		E						3		
187	10	9.2		2.25			7		F						1		
197	10	9.85		3.15			7		F						1		
207	10	10		.7			6		E						2		
217	10	8.8		1.9			6		E						3		
225	8	8.0		4.3			6		D						2		
235	10	10		5.95			7		E						6		
245	10	10		2.3			6		E						5		
255	10	10		1.35			6		D						8		
265	10	9.5		1.25			6		D						9		
273	8	7.1		1.30			6		D						5		
283	10	9.5		3.75			7		E						5		

Fig. 1. Typical rock mechanics core log.

PROJECT DY-SHAFT DRILLHOLE NO. 89-DS 01 COORDINATES: N _____ DATE _____ 19__

LOCATION I. HOLE SIZE _____ E _____ PAGE 2 of _

LOGGER Reznik & 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		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
287	4	4		1.60			7		F						0		
297	10	10		5.55			7		E						1		
306	9	8.65		2.65			6		E						3		
313	7	7		2.45			6		E						3		
323	10	10		6.15			9		F						3		
327	4	3.8		2.35			7		F						0		
337	10	10		6.45			10		F						1		
347	10	8.65		3.50			7		E						2		
357	10	10		2.30			7		D						6		
367	10	10		1.1			5		D						6		
375	8	8		.35			5		E						2		
380	5	4.7		.35			5		E						3		
387	7	7		3-30			7		E						1		
397	10	10		3.4			7		E						7		
407	10	10		0			6		E						4		
417	10	9.8		2.35			6		E						5		
427	10	10		6.15			10		E						6		
436	9	7.9		3.05			7		E						5		
443	7	7		1.45			6		E						3		
449	6	6		0.35			6		E						8		
457	8	6.2		0.85			6		E						3		
463	6	2.15		0			6		E						1		
469	6	3.75		.4			6		E						1		
477	8	5.65		0			6		E						2		
482	5	3.4		0			5		E						1		
487	5	3.5		0			1		E						0		
494	7	4.05		0			1		E						0		
500	6	3.5		0			1		E						0		

Fig. 1. Typical rock mechanics core log.

PROJECT DY-SHAFT · DRILLHOLE NO. 89 DS-01 · COORDINATES: N _____ · DATE _____ 19__

LOCATION _____ · HOLE SIZE _____ · E _____ · PAGE 3 of __

LOGGER Reznik & 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		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
507	7	6.3		0			1		E						0		
513	6	1.7		0			2		E						0		
517	4	2.1		0			2		E						0		
533	16	0.8		0			2		E						0		
537	4	2		0			2		E						0		
544	7	1.95		0			2		E						0		
550	6	6		1.75			6		D						1		
557	7	7		2			6		D						0		
567	10	10		2.7			6		E						3		
572	5	4		0			6		E						2		
582	10	10		5.9			9		E						1		
591	9	9		3.85			8		D						4		
597	6	5.9		1.0			6		D						2		
601	4	4.0		1.85			7		E						2		
607	6	5.4		4.05			11		E						2		
617	10	9.5		6.0			8		E						0		
627	10	10.0		3.65			7		E						5		
637	10	10		6.50			10		E						2		
647	10	9.9		3.25			7		E						1		
588	?	5.1		0.70			6		E						0		
597	9	9		1.05			6		E						0		
607	10	10		5.3			7		E						2		
617	10	10		7.35			9		E						0		
627	10	10		2.55			7		E						2		
637	10	10		7.55			8		E						1		
647	10	10		5.65			9		E						1		
657	10	9.1		2.8			7		E						1		

Fig. 1. Typical rock mechanics core log.

PROJECT DY-SHAFT
LOCATION
LOGGER Reznik & Kerber
DRILLHOLE NO. 89 DS 01
HOLE SIZE
INCLINATION
COORDINATES: N
E
ELEVATION
DATE 19
PAGE 4 of

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.	
667	10	10		5.65			8		E						1	1	
677	10	10		4.75			7		E						3		
687	10	9.5		2.25			6		D						2		
697	10	10		6.2			7		D						1		
707	10	10		5.75			7		D						2		
717	10	10		2.35			6		D						1		
720	3	2.5		0.35			6		D						1		
727	7	6.65		3.25			7		E						2		
737	10	10		4.15			7		E						4		
747	10	10		5.15			7		D						1		
757	10	10		5.15			7		D						2		
767	10	10		7.85			8		D						3		
772	5	4.7		0			6		D						2		
777	5	5		0.4			6		D						3		
787	10	10		0.7			6		D						3		
797	10	10		3.85			7		D						3		
807	10	10		3.5			7		D						4		
817	10	9.9		5.85			9		D						4		
827	10	10		4.65			7		D						2		
837	10	10		5.7			7		D						1		
847	10	10		8.2			7		E						1		
857	10	9.8		5.05			6		D						0		
867	10	9		2.85			6		E						3		
877	10	10		5.55			7		E						4		
887	10	9.4		2.65			6		E						2		
897	10	10		2.1			7		E						4		
907	10	10		6			7		E						0		
917	10	9.4		4.4			7		E						1		

Fig. 1. Typical rock mechanics core log.

PROJECT DY-SHAFT DRILLHOLE NO. 89 DS01 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 5 of __

LOGGER Rezak + KEEBEE 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.	
927	10	10		6			8		E						2		
937	10	10		6.3			9		E						0		
947	10	10		6.55			7		E						1		
957	10	10		4.6			7		E						0		
967	10	10		6.75			9		E						0		
977	10	10		6.45			9		E						0		
987	10	9.9		5.2			7		E						1		
997	10	10		5.55			9		E						1		
1007	10	10		3.8			7		E						2		
1017	10	9.95		5.65			9		E						0		
1027	10	8.2		2.6			7		E						0		
1037	10	10		2.85			7		E						3		
1047	10	10		1.74			7		D						4		
1057	10	10		6.15			9		E						0		
1067	10	9.7		5.25			7		E						1		
1077	10	9.8		6.85			10		E						0		
1087	10	10		5			9		E						0		
1089	2	1.55		.4			7		E						0		
1097	8	8		5.8			8		E						1		
1101	4	4		3			10		D						0		
1107	6	5.5		2.9			9		E						0		
1117	10	10		6.25			10		E						0		
1127	10	9.8		6.6			10		E						0		
1137	10	9.9		8.35			10		E						0		
1147	10	10		4.8			8		E						1		
1157	10	8.8		0			6		D						2		
1167	10	10		6			10		D						1		
1177	10	9.9		6			10		D						1		

Fig. 1. Typical rock mechanics core log.

PROJECT DY - SHAFT DRILLHOLE NO. 89 DS 01 COORDINATES: N _____ DATE _____ 19__
LOCATION _____ HOLE SIZE _____ E _____ PAGE 6 of __
LOGGER Reznik & 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		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1187	10	10		5.7			9		D						2		
1197	10	9.7		4.95			10		D						2		
1207	10	9.9		6.75			10		D						2		
1217	10	9.7		5.75			10		D						1		
1227	10	9.8		8.25			10		D						0		
1237	10	9.6		3.55			8		D						0		
1247	10	10		.35			6		D						2		
1255.5	8.5	8.5		.45			5		D						0		
1266.5	10	10		.35			5		D						2		
1276.5	11	10.7		4.55			7		D						0		
1286.5	10	10		7.75			10		E						0		
1296.5	10	10		6.65			10		E						0		
1306.5	10	9.7		5.6			9		D						1		
1316.5	10	9.9		6.35			9		E						0		
1327	10.5	9.8		5.5			10		E						0		
1337	10	9.4		4.55			9		E						2		
1347	10	9.5		2.35			6		E						0		
1357	10	10		3.55			8		E						1		
1367	10	9.9		7.2			9		E						0		
1377	10	10		5.45			9		D						2		
1387	10	10		6.65			10		D						2		
1397	10	10		5.52			10		E						1		
1407	10	10		2.95			9		E						1		
1417	10	9.5		4.35			7		E						3		
1423	6	5.4		.7			7		E						1		
1430	7	7		2.3			7		E						0		
1437	7	7		4.4			9		E						0		
1447	10	10		7.55			10		E						2		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89 DS 01 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE 7 of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1457	10	9.8		7.25			10		E						0		
Wood 1447-	#1.																
1483.																	
1447-	5	4.2		1.95			8		E						0		
1452																	
1457	5	4.9		3.8.			9		E						0		
1462	5	4.9		2.85			8		E						0		
1467	5	5.0		2.6.			8		D						0		
14TT	10	9.8		5.3			9		D						1		
1483	6	6.		2.05			7		D						0		

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89 DS-02

Reference Fabric Orientation Diagram:

Project: Dy

Location: _____

Claim: _____

Terr ~~Plane~~ Co-ords.: UTM 6,901,358.9 N

597,337.9 E

Grid Co-ords: _____

Elevation: 1107.8M

All symmetry determinations looking

Total Depth: 1287 ft.

NW with 52 dipping

Inclination: -90° vertical

SW with dip azimuth ____.

Purpose: Pilot Hole for Dy shaft

Reason hole Terminated: _____

Logged by: LCP

Date(s) Logged: _____

Drilling Contractor: Arctic Diamond

CORE Size	From	To
Hw	0	28'
HQ	7	291'
NQ	291'	1287'

Hole Cemented: _____ Steel down Hole: _____

Collar Cased and Capped: ____

Assay Lab: _____

Certificate No's: _____

Started: June 2/89 Completed: _____

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH 89.D.S.-0.2 (2 … 8)

Date: ______ Logged By: ______

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2–8	10–16	17–24	25–32	34–39	41 42	
T	89DS-012						

FEET

	Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	1	2–8	10–14	22–26	28–32	34–56
*	R	89DS-012	100	-90.0	0.0	AT COLLAR
*	R	89DS-012	3540	-89.4	216.0	SPERRY-SUN SINGLE SHOT
{	R	89DS-012	4140	-88.7	251.0	SPERRY-SUN
}	R	89DS-012	4140	-88.0	255.0	SPERRY-SUN
*	R	89DS-012	4140	-88.4	253.0	AVERAGE OF ABOVE 2
*	R	89DS-012	4540	-88.2	196.0	SPERRY-SUN
*	R	89DS-012	5240	-88.5	219.0	SPERRY-SUN
	R		5240	-89.0	106.0	SPERRY-SUN
*	R		5970	-89.5	071.0	SPERRY SUN
*	R		7000	-89.0	156.0	SPERRY SUN
	R		8000	-89.5	181.0	SPERRY SUN
	R		8970	-89.5	051.0	SPERRY SUN
	R		9630	-89.2	299.0	SPERRY SUN
	R		10070	-88.5	256.0	SPERRY SUN
	R		10230	-89.0	351.0	
	R		10830	-89.5	306.0	
	R		11000	-88.0	354.0	
	R		11430	-88.0	331.0	
	R		11970	-88.5	351.0	
	R		12440	-88.0	341.0	
	R					
	R					
	R					
	R					

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

DDH B90S-01 (2 8 FEET)

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 10/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10.0	17.0 / 21		1	*	Tricone2 — No recovery
	17.0	12.15.4 / 7.7		2	SICBI	8# [SF]
						Very soft, fissile, green, homogeneous, massive chloritic phyllite. Strongly PS2 and CS2 foliated. Cut surfaces medium to pale green dry and medium dark green wet. S2 surfaces are light silvery green. Non magnetic. Contains small randomly scattered chloritic(?) phenocrysts. Calcite locally disseminated as small grains. Strongly foliated chloritic phyllite = highly deformed metabasite. Very locally S2 surfaces have orange brown mottling from weathering. Minor S2-parallel qtz veins @ 16.9 and 22.5.
						TOI - 7.5 regrounded core & pebbles of metabasite
						7.5 - EOI moderately broken and poker chippy
						TOI - 17 recovery OK / 17 - 22 have only 3.2 feet core / 22 - EOI recovery OK
	12.15.4	13.15.0 / 10.7		3	SICBI	8 # (5876) 80:20 [SCB 8# (SD FIELD)]
						Major unit similar to last unit (7.0 - 25.4). Very soft, medium to medium dark green, fissile, chloritic phyllite. Dominantly PS2 foliated - locally CS2 foliated. Contains small white calcite as disseminated specks locally - generally noncalcareous. S2 surfaces are silvery green.
						Contains 0.5 - 1.0 foot interbeds of soft, laminated green phyllite. Noncalcareous laminae 1mm - 5mm thick locally cut and S2 surfaces have silvery grey to dark grey surfaces.
						Minor quartz vein at 32 feet TOI: 32 moderately broken / 32 loss rubble & regrounded core 26-32 only 4 feet core - likely missing @ 32. / 32 - EOI moderately broken w/ good recovery

DDH 89DS-02

CURRAGH RESOURCES INC.

Page 4

Lithologic Log

Date: June 19/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131.50	173.3		14	JTC1815	& MAGNETITE & BIOTITE
		22.3				Very soft, dark green to almost green-black, chlorite phyllite. PS2 - foliated S2 surfaces are dark green. General mottled appearance with pale grey to off-white subrounded dolomite up to 2mm across. Mottling occurs in distinct bands. Locally weathered with rusty brown crust on fractures locally contains minor disseminated biotite. Intervals are magnetic - general mottled appearance and magnetic core suggests portions are serpentinized and therefore have ultramafic parent (possible pyroxenite). Relict mottling = former plagioclase and is best preserved in centre of unit. Fractures are orange-rust weathered
						foliated. Minor quartz-calcite veins subparallel S2. Contains two small zones of moderately hard, thinly banded, noncalcareous, green phyllite @ 73.3 and 78.5 feet. Locally has speckled texture w/ small calcite and/or dolomite disseminated as light coloured spots. Main distinction from previous unit is general lack of mottling and presence of 2 thin bands which may be metasediments. Contacts of these bands generally parallel S2
						TOI - 74.7 very broken w/ gouge and rubble 74.7 - 78 moderately broken 78 - EOI very broken w/ a few thin gouged intervals } recovery OK
	181.27	110.68		16	5JC1816	& MAGNETITE
		3.26				Similar to Unit #4 (35 - 73.3)
						Very soft, dark green, noncalcareous, chlorite phyllite. PS2 foliated. Locally slightly to moderately magnetic. Fractures weathered w/ orange-rust coating. Coarse-grained

DDH 89-05-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 17/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						mottling w/ subrounded dark green porphyroblasts in medium dark green matrix. Softness, mottling, and fine magnetite suggests serpentinized ultramafic / pyroxenite. Core very broken w/ local rubbly intervals. TOI has reground core. EOI also has reground core. TOI - 92 has 7' core / 92-102 has 6' core / 102 - EOI has 1.5' core w/ reground core ends. Generally poor recovery for this material.
	110	112		17	5C1816	(5B76) [SD field] 95:05
		3 8 6				Moderately soft to soft, pale olive green, noncalcareous, PS2 foliated, chlorite phyllite. Contains scattered dark green, spots flattened in S2 foliation. Minor quartz-calcite veining. S2 surfaces are light olive grey.
						Interval 118-119 is medium to dark green, finely laminated, noncalcareous, moderately hard, chlorite phyllite. Contact w/ chlorite homogeneous phyllite is sharp and generally parallel S2.
						TOI - 118.5 rubbly w/ abundant intervals of reground core. Highly fractured qtz vein material near 117. TOI - 112 has 3' core / 112 - 117 has 4' core.
						118.5 - EOI moderately broken w/ reasonable recovery.
	112	113		18	STD101	
		4 0 2				Pale olive green, thinly laminated, moderately soft, calcareous chlorite phyllite. CS2-foliated. Diffusely laminated in 1mm - 1cm scale in shades of olive green & grey. Minor qtz-calcite vein cutting fractures. S2 surfaces are pale olive green.
						TOI - EOI moderately to very broken. Recovery OK.
						Upper contact hidden in rubble. Lower contact parallel S2 - gradational over 2-3 cm w/ dramatic increase in grey = carbon content.

Lithologic Log

Date: Mar 19/87 Logged By: LLC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	36
	113118	114158		19	5B1201	
		44 4				
						Moderately soft, dark steely grey, calcareous phyllite CS2- foliated with thin light grey to off-white calcite-quartz bands and laminae. S2 surfaces are dark steely grey. Commonly S2 has mottled rust-brown weathering pattern. Upper contact parallel S2 // lower contact hidden in small rubble and gouge.
						Interval very broken to rubbly. Minor gouge @ TOI and EOI. Tends to be poker chipping along CS2. 142-147 has only 4' core recovered
	114158	118154		110	5C401	± ± ±
		56 5				
						Moderately hard, dark to medium green, non-calcareous to dolomitic to slightly calcareous chloritic phyllite. Poorly PS2 foliated. S2 surfaces are dark green. Minor quartz-calcite veins dominantly in cutting fractures. Contains relict equigranular diabasic texture, speckled between grey and dark green. Locally has fine subhedral tan specks which do not react to acid. Interval 2 feet becomes progressively more strongly PS2 foliated. Cutting fractures have brown-rust weathering surfaces. Lower contact sharp and parallel S2. Massive, homogeneous. Overall core intact w/ good recovery. Interval 151.5-153.5 is rubbly & very broken on steep fractures.
	118154	118174		111	5D101	
		57 1				
						Moderately soft, pale olive green, thinly laminated, calcareous chloritic phyllite. Diffusely laminated in shades of green and grey. Dominantly PS2 foliated although minor folds are locally visible. S2 surfaces are pale olive green. Core intact. Upper and Lower contacts are sharp, parallel S2. Minor qtz-calcite veins and beads parallel S2

DDH 89DS-02 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 19/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	118174	119170		112	STC10	"ZEBRA ROCK"
		60 0				Medium green to medium dark green, soft, calcareous, chlorite phyllite. Strongly foliated - both PS2 and CS2 foliated. Calcite forms thin discontinuous white bands defining both S1 and S2 foliations. Locally has incipient zebra rock texture. As go down DDH zebra striping becomes less and instead get dark green flattened spots in S2 foliations. Upper contact sharp. Lower contact looks sharp but actual contact hidden in rubble. S2 surfaces are medium green. Upper zebra-textured portions contains pale tan, noncalcareous spots and specks. Core intact and recovery good
	119176	121015		113	STC1$1	
		62 6				Very soft, very dark green, slightly dolomitic, PS2-foliated chloritic phyllite. Poorly preserved relict mottling with chunky vague grey specks and streaks. Nonmagnetic. Dark green colour and soft chunks suggests unit serpentinized. Fractures and some S2 surfaces have rust brown weathering coat. S2 surfaces are dark green. Some quartz-calcite veins. Lower & upper contacts gradational over very short interval. Core very broken and rubbly w/ minor thin gouges. Recovery OK
	121015	121216		114	STC10	±# ± B10 [SFO ±# ± B10]
		69 0				Moderately soft to soft, noncalcareous to locally calcareous, medium green, homogeneous chloritic phyllite. Dominantly PS2 foliated. Contains disseminated, scattered pale tan specks and dark brown biotite specks. Calcite locally as thin bands. Lower contact is very gradational. Core moderately to slightly broken. Minor incipient gouge locally. Recovery OK.

DDH B-90-S-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 19/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	121216	131014 92		115	5IC161	I ± MINOR ± BIOTITE ± MAGNETITE
						Dark green to blackish green, very soft, noncalcareous, homogeneous, massive chlorite phyllite. Commonly slightly magnetic. Contains relict mottled texture w/ irregular greyish-green subrounded phenocrysts (?) in a dark green matrix. Poorly PS2 foliated. Phenocrysts are locally slightly dolomitic. Bottom 4 feet is strongly PS2-foliated, medium green, with scattered biotite porphyroblasts. S2 surfaces are medium to dark green. Dark green sections are slightly to moderately magnetic. Suspect interval is dominantly serpentinized ultramafic (pyroxenite ?) — some ankerite veining present (25')
	131014 2			1		TOI - 232.0 intact w/ good recovery
						232.0 - 240.0 slightly broken to mod. broken w/ good recovery
						240.0 - 259.0 mod. broken to very broken. Some quartz veins up to 20cm thick. Recovery OK
						259.0 - 262.0 intact - yet 260-262 only has 1.5' core
						262 - 269.0 slightly broken to intact w/ good recovery
						269.0 - 289.0 intact w/ good recovery
						At 289.5 changes to NQ core. 289 - 289.5 is very broken.
						289.5 - EOI intact w/ good recovery
	131014 2	131019 94 5		116	5IB1716	[SD field]
						Moderately hard to hard, thinly banded, noncalcareous, PS2-foliated, pale olive green phyllite. S2 surfaces are medium olive green. Banded on scale of 1cm to 1mm. Contains numerous steep fractures - locally w/ qtz-calcite-pyrite infillings. Upper & lower contacts appear concordant w/ S2. Upper contact offset along steep fracture.
						Core intact to slightly broken — recovery good

DDH B.9.D.S.-0.2.3 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 20/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131019	131130		117	STC0131	
		95				Moderately hard, dark olive green, massive chloritic phyllite. Moderately calcareous to very calcareous PS2-foliated. Contains abundant tiny noncalcareous tan specks on cut surface. Some late steep fractures.
						Core moderately broken w/ good recovery
L	131130	131154		118	5B17161	[SD field]
		96				Same as Unit # 16 (304.2 - 309.9) Thinly banded on 1mm - 1cm scale. PS2-foliated. Noncalcareous, moderately hard, dark olive green. S2 surfaces are dark green. Upper & lower contacts lost in rubble.
						Core moderately broken to very broken. Extensive steep fractures w/ thin pyrite beads occurring along fractures.
L	131154	131319		119	STC0131	(5B76 [SD FIELD]) 90:10
		103				Moderately soft to soft, pale green to medium green, calcareous & slightly dolomitic chloritic phyllite. Strongly PS2 foliated and fissile - locally CS2-foliated. Stranded/mottled texture w/ numerous dark green chloritic streaks up to 1cm long strongly flattened in S2. Calcite in matrix and in pb-calcite veinlets.
						Upper ½ contains some intervals of medium to dark green, PS2-foliated, thinly banded chloritic phyllite. Moderately hard.
						Lower contact of metabasite subparallel S2. S2 surfaces pale to medium green.
						TOI - 325 very broken, no rubble, recovery OK
						325 - 329 mod broken, recovery OK
						329 - EOI slightly broken to intact, recovery OK

DDH 89DS-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 20/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	131319	131450		1210	5181716	[SD FIELD]
		1052				Noncalcareous, thinly banded, medium green to pale green, chloritic phyllite
						Banding on scale 1mm to 1cm. Dominantly PS2-foliated although
						locally CS2-foliated. Moderately soft. Upper core contact sharp and
						parallel S2, lower contact very gradational w/ increase of grey over
						10-20 cm interval. S2 surfaces pale green with silvery tint.
						Core moderately broken w/ good recovery.
L	131450	131490		1211	5181721	7 MINOR (SD6) MINOR
		1064				Moderately soft, CS2-foliated, medium dark grey, slightly dolomitic phyllite
						Contains tinges of olive green on cut surface. S2 surfaces are
						shiny, steely grey to dark grey. Thin quartz-dolomite bands form gradual
						to well developed microlithons. TOI has 3cm interval of noncalcareous,
						soft, pale olive green chloritic phyllite. Contacts are sharp parallel S2.
						Lower contact of unit characterized by beginning of calcite.
						Core moderately broken - recovery good.
						Scattered pyrite euhedral porphyroblasts up to 1cm across.
L	131490	131583		1212	5181201	(SD0) 95:05 [SB02]
		1092				Moderately soft, CS2-foliated, medium dark grey, calcareous phyllite. Microlithons
						defined by thin quartz-calcite bands and laminae. S2 surfaces are
						medium to dark steely grey. A+ TOI have 0.5 feet of calcareous,
						pale olive green, soft, chloritic phyllite. Chloritic phyllite contains thin qtz-calcite
						"veins" and beads parallel S2. Scattered euhedral pyrite porphyroblasts
						up to 1cm across. Contact w/ chloritic phyllite sharp parallel S2.
						Core moderately broken and slightly poker chippy. Recovery looks OK

Lithologic Log

[redacted] Date: [redacted] 21/[redacted] Logged [redacted] A[redacted]

Code	From	To	Recov.	No.	Unit	Description
	1 10 14	16 20	22 24	26 28	30 34	35
L	131518 3	131615 7		1213	51C1$1	C# (587$ 8#) 50:50 [SD field]
		11 1 5				Interval unit of dolomitic and calcareous metabasite rimmed by laminated greenish chloritic phyllite. Metabasite soft, slightly dolomitic to calcareous, pale olive green phyllite. Contains thin dark green chlorite streaks parallel S2 giving it a mottled appearance. S2 surfaces olive green w/ dark green spots.
						Metabasite rimmed by pale green, CS2-foliated, thinly-banded, dolomitic to calcareous chloritic phyllite. S2 surfaces are silvery olive green laminae 1mm - 1cm thick.
						Contacts between the units are hidden in rubble. Unit mod broken to very broken. Gouge and rubble @ 359-360. Interval 356-366 has only 7.5' core - likely lost @ 359-360 interval.
L	131615 7	141014 5		1214	5B1216	± # MINOR
		1,2,3 3				Moderately soft, noncalcareous, dark grey phyllite. PS2-foliated to CS2-foliated approaching PS2-foliated. Microlithons poorly defined by thin pale grey bands and/or quartz veins. Very micaceous interval. S2 surfaces are dark steely grey. Minor small, euhedral pyrite porphyroblasts.
						Core moderately broken to poker chippy. Minor gouge & rubble @ 387 with about 0.5' core loss. 0.5 feet calcareous mud gouge @ EOI. Gouge contains angular clasts of qtz vein material. Upper contact lost in rubble, lower contact parallel S2. Probably 0.5' core loss here.
L	141014 5	141114 2		1215	5B21$1	
		1,2,6 2				Dark grey, moderately soft, CS2-foliated, dolomitic phyllite. S2 surfaces are dark steely to shiny grey. Microlithons defined by thin pale grey dolomite-quartz bands to laminae. Scattered euhedral pyrite phenocrysts up to 1cm across. Minor qtz-dolomite

DDH 89DS-02
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L						veining both parallel S2 and in three xcutting fractures. Interval moderately broken and poker chippy. Interval 412 - EOI very broken, poker chippy, rubbly, lower contact lost in rubble. Recovery looks good.
	14114 2	14120 2		1216	SDHOLE	(SB2#) 50:50
		128 1				Pale tan, slightly dolomitic, PS2-foliated, muscovite-dolomite phyllite. S2 surfaces are pale tan. Locally contains very minor "fuchsite" streaks parallel S2. Upper contact lost in rubble. Lower contact sharp parallel S2. Minor large euhedral pyrite porphyroblasts. Occurs in intervals TOI - 415.6 and 419.7 - 420.2. Lower interval terminated by fault.
						Interbedded w/ moderately soft, PS2 to gently CS2-foliated, dark grey, slightly dolomitic phyllite. S2 surfaces are dark steely to shiny grey. S2 has wet weak fingers. Contains large scattered pyrite euhedral porphyroblasts. TOI - 415' rubble. 415 - EOI intact to slightly broken. } recovery looks good
L	14210 2	14218 0		1217	FAULT	[SB GOUGE]
		130 5				Medium dark grey, moderately calcareous mud gouge. Contains clasts of vein quartz, SB phyllite, euhedral pyrite. Uppermost 0.5' is colourless bxa. rather than fault gouge. Upper contact 25/000 wrt S2 lower contact 40/000 wrt S2. Recovery reasonable, interval 425-427 has 1.8 feet mud gouge. Fault is steeper than S2.

DDH 89D3-02

CORRAGH RESOURCES INC.

Lithologic Log

Date: June 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	141280	141416 4		1218	5B21$	
		136 1				Dark grey, moderately soft, PS2-foliated, slightly dolomitic phyllite. S2 surfaces are dark steely grey and only slightly mark fingers. Scattered euhedral pyrite porphyroblasts. Veins of qtz-dolomite-calcite are vuggy because carbonate has weathered out.
						Interval slightly to moderately broken. Recovery OK.
L	141416 4	141818 9		1219	1101E191$	[IOE ALTERED]
		149 0				Hard, massive, pale tan to pale green feldspar-quartz porphyry. Contains clear quartz and white feldspar phenocrysts in a fine-grained matrix. Largest feldspar phenocrysts up to 1.5cm long and show concentric zoning. Cut surface rough because of alteration of feldspars to clays & carbonate. Upper contact 60/090 w.r.t S2. Contact is sharp. Phenocrysts about 40% of rock. Lower contact gradational over short interval. Massive w/ no visible foliation.
						TOI-455 intact w/ good recovery
						455-465.4 moderately broken. - recovery OK. Minor rubble of qtz vein-grey phyllite at 463'.
						465.4- EOI intact w/ good recovery
L	141818 9	141916 5		1310	1101E1019	$
		151 3				Small qtz-biotite-feldspar phenocrysts in an aphanitic pale green to pale tan matrix. Unit hard. Slightly dolomitic. Only 2% white concentrically zoned feldspar phenocrysts. Biotite commonly relict to slightly altered. Core intact recovery good. Lower contact 10° w.r.t core axis. S2 contorted into near parallelism w/ contact - very steep w.r.t core axis. Massive w/ no visible foliation.

C.R.I. 1987 E-3A

CONTRACT RESOURCES INC.

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Lithologic Log

Date: June 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	141916 5	151217 0		131	51B121$1	8 #
		1606				Moderately soft, medium dark grey, dolomitic phyllite locally calcareous and has abundant calcite-quartz veins infilling fractures. CS2-foliated. Minor banding in shades of grey parallel S2. Scattered pyrite porphyroblasts - noted one po porphyroblast. S2 surfaces shiny, steely grey and do not mark fingers.
						TOI - 507 very broken & rubbly S2 sharp, subparallel intrusive contact 497-505 only 4.5 feet of core.
						507 - EOI slightly broken, recovery good
						WEDGE SET AT 527 feet
L	151015 0	151517 0		1312	5TB121$1	8 #
		1698				Medium dark grey to dark grey, moderately soft, dolomitic and locally calcareous phyllite. Carbonate veins in association w/ qtz in pale grey, slightly coarser grained bands. Abundant calcite also in xcutting fractures. S2 surfaces steely grey and only slightly mark fingers. Banding parallel S2 on 1cm - 3cm scale caused by variations in shades of grey. Poorly CS2-foliated to PS2-foliated. Core moderately to slightly broken w/ good recovery.
						TOI - 508.5 very broken & shows wedge as core in new direction. Lower contact very gradational and arbitrary
L	151517 0	161210 0		1313	5TB101	87 & 3 BOTH HNDL
		1890				Medium to pale grey, calcareous, CS2-foliated, moderately soft phyllite. S2 surfaces are silvery grey to steely grey. Cut surface has faint tinge of light green from dolomite. Scattered subhedral pyrite porphyroblasts up to 1cm across

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CURRAGH RESOURCES INC

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Lithologic Log

Date: June 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
				1313		Banding defined by pale grey qtz-calcite intervals forming micro-lithons and re-parallel bands. Locally there are medium x'line grey marble (i.e. very calcite-rich) Both upper and lower contacts are very gradational and arbitrary.
						TOI - 573 Slightly broken w/ overall good recovery Gouge for 10cm. at 565'.
						573 - 580 Very broken w/ minor gouge @ 578' Recovery OK
						580 - 607 Slightly broken to intact recovery OK
						607 - 610 Mod. broken to very broken - poker chippy - recovery OK
						610 - EOI Mod. broken to slightly broken - recovery OK
	161210	171615		1314	518101	2 MINOR & 7 MINOR
		2332				Moderately soft, calcareous, poorly CS2-foliated, medium grey phyllite. Slightly darker than above unit # 33 (557 - 620) locally cut surface has a faint greenish tinge from chlorite. S2 surfaces are steely grey to shiny grey & do not mark fingers. Microlithons defined by laminae and bands of pale grey qtz-calcite. Again upper and lower contacts are gradational and arbitrary. Scattered embedded to subhedral pyrite porphyroblasts. Begin to see the occasional pyrrhotite porphyroblast - like @ 717' and 742' & 757'
						TOI - 633.5 Mod. broken, slightly poker chippy - recovery OK
						633.5 - 636 Very broken & rubbly Only 1' core recovered
						636 - 647 Slightly broken - recovery OK
						647 - 665 Mod. broken & poker chippy - recovery OK
						665 - 735 Slightly broken w/ local short rubble zones associated w/ qtz veins. recovery OK
						735 - 737 Poker chippy recovery OK

DDH 89DS-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	161210 0	171615 0		1314		737- EOI Mod. broken w/ local short rubbly intervals Recovery OK
						763-765 have incipient crackle brx w/ hairline veins of qtz-calcite Sa/S1 laminae & bands are slightly obscured
	171615 0	181010 0		1315	51801	7 MINOR
		2560				Pale grey to medium grey, calcareous, moderately soft, poorly CS2-foliated phyllite. S2 surfaces are shiny grey Unit slightly lighter than previous unit # 34 (620-765) Poorly defined thick bands in shades of grey parallel S2 Minor qtz-calcite veins up to 30cm thick Qtz-calcite forms thin grey bands & laminae defining PS2 and S1 microlithons Upper contact gradational Core intact to slightly broken Recovery OK
	181410 0	181514 5		1316	151801	82 MINOR (500) 60:40
		2605				Major unit is mediums to pale grey, calcareous, moderately soft phyllite. S2 surfaces are shiny grey Dominantly PS2-foliated with lesser intervals of poorly visible CS2 foliations. Calcite-qtz forms slightly coarser, pale grey bands and laminae Banding in shades of grey parallel S2.
						Contains interbands of moderately soft, pale olive green chloritic phyllite. S2 surfaces are silvery olive and locally have grey patches. Contains thin veins of quartz-calcite Calcareous Marginal contacts parallel S2. Range from sharp to gradational w/ increase of grey Thicknesses range from 3cm to 60cm.
						Core slightly broken w/ good recovery.
						Both pa and py scattered euhedral porphyroblasts. Have not seen mixed porphyroblasts yet in this DDH.

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Lithologic Log

Date: June 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	1 10 14	16 20	22 24	26 28	30 34	35
	1B1514 5	1B1616 0		1317	15D01	(5B0)(10 89 cpy, sphal, ga, po) 50:40:10
		264 0				Similar to last Unit # 36 (840 - 854.5) Major unit is calcareous,
						pale olive, homogeneous, PS2- foliated, chlorite phyllite. Contains thin qtz-calcite veins
						along S1 and S2. S2 surfaces silvery olive. Marginal contacts generally sharp.
						Interbanded is medium to pale grey, PS2-foliated to poorly CS2-foliated, calcareous
						phyllite. S2 surfaces are shiny grey. Qtz-calcite as thin bands and laminae.
						Contains 10cm qtz veins with infillings of sphalerite, galena, chalcopyrite,
						pyrrhotite. Very splashy w/ sulphides forming irregular stringers / fracture fillings /
						shattered aggregates within qtz veins. Sphalerite dark red Overall estimated grade
						3-4 % (Pb+Zn) (or less because of dilution) Scattered po and py porphyroblasts in phyll
						TOI - 858.5 slightly broken w/ good recovery
						858.5 - 860.5 - mod. broken and rubbly recovery good
						860.5 - EOT slightly broken w/ good recovery
L	1B1616 0	1913 11 2		1318	5B101	7 MINOR (5D0) TRACE
		283 8				Moderately soft, medium to pale grey, laminarthy PS2-foliated, calcareous phyllite
						S2 surfaces are shiny grey locally cut surface has medium greenish tinge where
						west. Contains very minor thin bands of homogeneous, massive, pale olive
						green phyllite. Both po and py euhedral porphyroblasts
						Core moderately broken w/ good recovery. Interval 885.5 - 887.5 is
						incipient crackle brx w/ abundant thin qtz-calcite veinlets.
L	1913 11 2	1913 15 7		1319	5D101	(5B70D3) 70:30
		285 2				Moderately soft, calcareous, pale olive green, PS2-foliated chlorite phyllite S2 surfaces are
						silvery olive green Contains diffuse interval thin bands / laminae of qtz-calcite Marginal
						contacts appear gradational over very short interval

C.R.I. 1987 E-3A

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	191311 2	191315 7		1319		Contains thin interbands of moderately soft, PS2- and CS2- foliated, medium to medium dark grey, calcareous phyllite. Locally very calcareous. Cut surface has dark green chlorite tinge when wet. Large euhedral pyrite porphyroblasts. Minor qtz-calcite veining parallel S3. Core intact w/ good recovery. S2 surfaces are shiny grey.
L	191315 7	191613 0		1410	51B101	
		2935				Moderately soft, calcareous, pale grey, PS2-foliated phyllite. Thin bands parallel S2 of pale grey qtz-calcite. S2 surfaces are shiny grey. Contains isolated py and py porphyroblasts. At 957' have one combined py+cpy porphyroblast. Very faint greenish tinge visible locally on cut surface. Core intact w/ good recovery.
	191613 0	191619 3		1411	110918 #	(580) 50:50
		2954				Abundant pegmatitic white bull qtz veins containing calcite and dark green chlorite. Veins are crudely S2 foliaform. Minor vugginess from leaching of calcite. Interbands of pale grey, calcareous, moderately soft, PS2-foliated phyllite. S2 surfaces are silvery grey. Core intact w/ good recovery.
	191619 3	191815 0		1412	51B101	(5D6)
		3002				Dominantly PS2-foliated, calcareous, medium pale grey, moderately soft phyllite. S2 surfaces are light shiny grey. Very very faint green tinge on cut surface. Interval 982.3-983.3 consists of calcareous, homogeneous, pale olive, moderately soft chloritic phyllite. Upper contact sharp & lower contact more gradational. S2 surfaces very pale green. Core slightly broken/recovery OK/intervals 972-973, 984-985 are very broken

DDH B88S-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 22/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	191815	191817		1413	5181/171	
		300				
						Moderately soft, medium pale grey, dolomitic, PS2-foliated phyllite. Thinly banded w/ pale grey dolomite-qtz bands which weather to a pale tan. Banding on scale 1cm or so. Cut surface has pale green tinge. S2 surfaces are shiny grey. Core mod. broken w/ good recovery
L	191817	191913		1414	5181071	
		302				
						Moderately soft, medium grey, calcareous, PS2-foliated phyllite. Thinly banded w/ calcite-quartz-actinolite bands within a grey micaceous matrix. S2 surfaces are shiny grey. NB the disseminated green actinolite (?) in the calcareous bands giving a distinct green tinge to cut surface. Both qa and qg as separate scattered porphyroblasts. Core mod. broken w/ good recovery
L	191913	1101018		1415	51D101	(5870) 60140
		307				
						Moderately soft, pale olive green, calcareous phyllite. Contains thin qtz-calcite bands and laminae. S2 surfaces are olive to silvery olive. These are diffuse. Contains interbands of green to greenish grey, thinly banded, calcareous moderately soft, CS2- and PS2-foliated phyllite. Difficult to differentiate between these two units. 5870 suggested because of abundant thin laminae. Core intact w/ good recovery. Extra core @ 1003 and 1003.5 consists of numerous rounded pebbles — this is considered cave.
L	1101018	110120		1416	51B/81	
		3085				
						Pale grey, PS2-foliated, thinly banded, moderately soft, dolomitic phyllite. Thin qtz-dolomite bands weather to pale tan. S2 surfaces are shiny grey. Core mod. broken except for interval 1007-1009 which is very broken. Recovery OK

C.R.I. 1987 E-3A

DDH 89DS-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 23/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	1011120	1016150		1417	5TB101	(5B #) 70:30
		3246				Pale grey, PS2-foliated to poorly CS2-foliated, moderately soft phyllite. Calcareous at top & bottom & dolomitic in central portion of unit. Dolomitic intervals weather pale buff & have waxy nature because of carbonate weathering crust. S2 surfaces are shiny grey Both po and py as scattered porphyroblasts in phyllite.
						TOI - 1037 intact w/ good recovery
						1037 - 1057.5 mod. broken & poker chippy good recovery
						1057.5 - EOT mod. broken & poker chippy Minor mud gouges @ 1057.5 & 1060
L	1016150	1018887		1418	5TD101	(5B02 X 5B70) 60:25:15
		3318				Moderately soft, calcareous, PS2- to CS2-foliated, pale olive phyllite. Homogeneous with some scattered quartz-calcite "veins" with diffuse margins. Marginal contacts are sharp to diffuse. Intervals range from 1-2cm to 70 cm in thickness.
						Interbanded w/ dark grey, calcareous, CS2-foliated, moderately soft phyllite. S2 surfaces are dark shiny grey. Contains py porphyroblast w/ small incomplete rims of po. Thinly banded w/ 1/2 - 1cm bands of pale grey qtz-calcite - silty appearing. Also interbanded with CS2-foliated, medium green, moderately soft, calcareous phyllite. S2 surfaces silvery grey w/ green tint. Well developed green mx micaceous intervals on cut surface. Banding delineated by 1mm pale grey qtz-calcite bands
						Core intact - recovery good.

DDH B-9-D-5-0.2

CURRAGH RESOURCES INC.

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Lithologic Log

Date: June 25/89 Logged By: LCO

Code	From	To	Recov.	No.	Unit	Description
	1 10 14	16 20	22 24	26 28	30 34	35
	110.18	111.617		1419	51B1017	
		3.55				
						Moderately soft, CS2-foliated, pale grey, calcareous phyllite. S2 surfaces are pale silvery grey. Cut surface pale grey when dry and grey-green when wet. Thinly banded with discontinuous, poorly defined microlithons delineated by pale grey quartz-calcite bands up to 1cm across. Scattered euhedral pyrite porphs up to 1cm across. Commonly these porphs have pressure shadows of quartz.
						TOI - 1146.5 Core intact w/ good recovery
						1146.5 - 1149.5 Moderately broken and poker chippy. Local rubbly zones. 1149 has incipient fracture bxn infilled w/ qtz-calcite w/ orientations 25/000 wrt S2. Recovery OK
						1149.5 - EOT Core intact w/ good recovery
L	111.617	111.712		1510	51D101	
		3.57				
						Moderately soft, calcareous, pale olive green chlorite phyllite. Cut surface has silky roughness to it. Locally thin intervals are very micaceous. Generally PS2-foliated w/ minor intervals of poorly & irregularly CS2-foliated phyllite. S2 surfaces are pale green, locally with a silvery grey to grey tints. Core intact w/ good recovery. Scattered qtz-carbonate veinlets throughout interval.
L	111.712	111.911		1511	51B1017	
		3.63				
						Pale grey, moderately soft, dominantly PS2-foliated, calcareous phyllite. Cut surface has medium green tinge when wet. S2 surfaces silvery grey w/ slight "wet" green tinge. Thinly banded w/ banding defined by variations in shades of grey-green and by thin grey qtz-calcite bands. Scattered qtz-carbonate blebs. Interval 1185 - 1187.5 is pegmatitic white bull qtz veins crudely S2 foliaform. Interval mod broken w/ good recovery

C.R.I. 1987 E 3A

DDH 89D.S.-02 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 25/89 Logged By: WP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	111911 5	112111 6		1512	5B1210	
		369 1				
						Moderately soft, dark grey, mainly PS2-foliated, calcareous phyllite. Thinly banded w/ 1 cm gh-calcite grey bands. Dk-calcite intervals have green tint from disseminated hornblende/actinolite (?) Scattered sulphide porphyroblasts are dominantly po w/ lesser py. S2 surfaces are shiny to streaky grey. Minor banding in shades of grey based on carbon content. Upper contact gradational. Lower contact sharp.
						Core intact w/ good recovery. Locally unit CS2-foliated
	112111 0	112121 0		1513	5D10	
		372 2				(5B70) 70:30
						Moderately soft, PS2-foliated, homogeneous, calcareous, olive chloritic phyllite. Cut surface has silky feel & appearance. Thin diffuse bands & streaks of white quartz-calcite. S2 surfaces are silvery olive-green.
						Contains at least 1 interbanded interval of moderately soft, CS2-foliated, pale grey, calcareous phyllite. Cut surface medium green when wet. S2 surfaces are pale silvery grey. Distinguished from SD on basis of numerous microlithons and silvery grey S2 surfaces. Proportions difficult to determine.
						TOI - 1217 mod. broken w/ good recovery
						1217 - EOI very broken w/ local rubble & incipient gouge. Recovery good.
4	112121 0	112141 8		1514	5D10	
		378 5				
						Moderately soft, PS2-foliated, calcareous, pale olive green phyllite. Cut surface has silky feel and appearance. Contains thin bands and laminae of white calcite-quartz parallel S2. Thin bands are "beaded" and streaky. S2 surfaces are shiny dark chlorite green on pale milky olive green.
						Core totally intact w/ excellent recovery

DDH 89DS-02

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
4	1121411 8	1121817 0		155	15181710	(5DO) MINOR
		392 3				Moderately soft to soft, calcareous, CS2-foliated, thinly banded phyllite. Cut surface medium to pale medium green when wet. Dry cut surface pale green w/ 1-2cm compositional bands parallel S2 which are pale grey. S2 surfaces mottled silvery green and silvery grey. Well-developed S1 microlithons defined by off-white, calcareous, qtz-calcite bands up to 2cm thick. Minors scattered pyrrhotite, irregular porphyroblasts.
						Top 2.5 feet of interval dominantly S2 foliaform, white, bull qtz-calcite veins, locally dark green chlorite associated w/ the veins.
						Interbands of pale olive green, homogeneous, PS2-foliated, soft, chlorite phyllite. S2 surfaces silvery grey green. Intervals located @ 1245'-1245.6', 1249.0-1249.4'
						Marginal contacts sharp, parallel S2, locally thin dolomite, small S2 fold hinges
						TOI-1277.0 Core intact to slightly broken w/ good recovery
						1277.0-1278.0 Core rubble and regrounded pebbles — drilling problem?
						1278.0-1287.0 Core intact w/ excellent recovery
						EOH

DDH DS.89-02 CURRAGH RESOURCES INC. Page ____ of ____

2 FEET 8 Structural Log . Date: June 22/89 Logged By: ____

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	
	1210	1215	C1S12	S		30 0100	69	Lithons + Micaceous Foliation
	1819	1825	C1S12	S		53 0100	811	" " "
	1418	1425	P1S12				518	Micaceous foliations in gabbro
	1617	1625	P1S12				416	" " " "
	1718	1725	P1S12				416	" " " "
	1815	1825	P1S12				414	Chlorite foliations in gabbro
	1212	1225	P1S12				514	Chlorite foliations in metabasite
	1312	1325	C1S12	Z			512	Chlorite foliations in S0 -
								minor fold has Z-symmetry
	1417	1425	P1S12				515	Chlorite fltn + streaking in metabasite
	1618	1625	P1S12				613	Chlorite streaking in metabasite
	1911	1925	C1S12	S		11 31219	711	Zebra striping in metabasite
	2017	2025	P1S12				514	Chlorite fltn in metabasite
	2116	2125	P1S12				715	Chlorite fltn in metabasite
	2214	2225	P1S12				615	Chlorite fltn in metabasite
	2615	2625	P1S12				519	Chlorite fltn in metabasite
	3105	3125	P1S12				317	Chlorite fltn in S0 field
	3217	3225	P1S12				410	Chlorite fltn in metabasite
	3310	3325	C1S12	S		217 31215	518	Chlorite fltns in metabasite
	3618	3625	C1S12	Z		713 0100	616	CS2 approaching PS2 // S2
								mica fltn // S1 silty bands
	3817	3825	P1S12				812	Micaceous fltn.
	3917	3925	P1S12				710	Micaceous fltn
	4110	4125	C1S12			210 21619	715	Micaceous fltn
	4317	4325	P1S12				612	Micaceous fltn
	5015	5025	P1S12				211	Micaceous fltn - disrupted immediately
								beneath dyke
	5117	5125	C1S12	S		212 31210	815	Micaceous foliation
	5113	5125	C1S12				814	Micaceous fltn - below wedge
	5216	5225	C1S12	S		210 01317	710	Micaceous fltn - compos. banding
	5419	5425	C1S12			411 11210	615	Micaceous fltn // compos. banding
	5713	5725	C1S12			419 01910	718	Micaceous fltn // comp. banding
	5911	5925	C1S12				818	Micaceous fltn - comp. banding
	6111	6125	C1S12			315 21516	716	Micaceous fltn - comp. banding
	6119	6125	C1S12			210 31115	518	Micaceous fltn - comp. banding
	6412	6425	C1S12				816	Micaceous fltn - comp banding

DDH 89D5-02 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Structural Log Date: June 23/89 Logged By: LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		161617	C1S12	S		115 3315	716	Micaceous f/tn - comp. banding
		161913	C1S12	Z		210 11310	618	Micaceous f/tn - comp. banding
		171016	C1S12			418 2912	715	Micaceous f/tn - comp. banding
		171213	C1S12	S		119 0101 0	810	Micaceous f/tn - comp. banding
		171414	C1S12			215 21117	714	Micaceous f/tn - comp. banding
		171619	C1S12			410 01715	713	Micaceous f/tn - comp. banding
		171821	C1S12			214 31212	614	Micaceous f/tn - comp. banding
		180910	C1S12	S		117 31217	815	Micaceous f/tn - comp. banding
		181190	P1S12				719	Micaceous f/tn
		181313	C1S12	S		118 01511	713	Micaceous f/tn - comp. banding
		181514	C1S12	S		315 31318	717	Micaceous f/tn - comp. banding
		181712	C1S12	S		218 31113	612	Micaceous f/tn - comp. banding
		181919	P1S12				813	Micaceous f/tn - PS2 approaching CS2 w/ qtz vein microfolds
		191214	C1S12	S		314 31412	618	Micaceous f/tn - comp. banding
		191313	C1S12	S		217 31314	716	Micaceous f/tn - comp. banding CS2 approaching PS2
		191517	P1S12				816	Micaceous f/tn - PS2 approaching CS2
		191810	C1S12	S		214 31413	810	Micaceous f/tn - comp. banding patchy marked by qtz veins
		191918	C1S12	S		216 31415	617	Micaceous f/tn - diffuse comp. banding
		110113	C1S12			416 31115	717	Micaceous f/tn - comp. banding
		110314	C1S12	Z		216 11810	715	Micaceous f/tn - comp. banding
		110512	C1S12	M		114 21610	618	Micaceous f/tn - comp. banding
		110613	C1S12	M		114 11710	811	Micaceous f/tn - comp. banding
		110619	C1S12	M				Phase 2 fold closure
		110911	C1S12	M		116 900	716	Micaceous f/tn - comp. banding
		111015	C1S12	S		213 01215	618	Micaceous f/tn - comp. banding
		110916	C1S12	M				Phase 2 fold axis in phyllite
		111216	P1S12				713	Micaceous f/tn
		111216	C1S13			315 01010	713	Micaceous f/tn + crinkle lin.
		111317	C1S12	M		010 900	811	Micaceous f/tn - comp. banding
		111617	C1S12	S		513 0010	810	Micaceous f/tn - comp. banding
		111718	C1S12	M		010 0010	719	Micaceous f/tn - comp. banding
		112012	C1S12	M		115 2135	713	Micaceous f/tn - comp. banding

DDH DS89-02 (2 / 8)

CURRAGH RESOURCES INC.
Diamond Drill Core Log

Date: June/89 Logged By: J.H. DAVIS

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	DS89-02	0	0	0	feet	S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	DS89-02	0	180.0	0.0	ATCOLLAR
R	DS89-02	52	180.0	9.0	ACID
R	DS89-02	132	180.0	0.0	ROTO
R	DS89-02	167	180.0	9.0	ROTO
R	DS89-02	202	180.0	0.0	ROTO+ACID
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 DS.89-02 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Structural Log Date: June/89 Logged By: J.H. DAVIS

Code	From	To	Feature	sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		140	P,S,2				65	micaceous foliation
S		350	P,S,2				71	" "
S		470	P,S,2				52	" "
S		620	P,S,2				57	" "
S		770	P,S,2				53	" "
S		930	P,S,2				57	" "
S		1220	P,S,2				50	" "
S		1360	P,S,2				54	" "
S		1510	P,S,2				58	" "
S		1860	P,S,2				71	" "
S		2070	P,S,2				32	" "

DDH DS89-02 (2 / 8)

CURRAGH RESOURCES INC.
Fault Log

Page _____ of _____

Date: June/89 Logged By: J.H. DAVIS

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	
F								

PROJECT: D4 SHAFT
LOCATION: DS 87-02
LOGGED: J.H. DAVIS
DRILLHOLE NO.:
HOLE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: June/89
PAGE: of

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (ft)	LENGTH OF RUN	CORE RECOVERY: LENGTH	CORE RECOVERY: %	RQD: LENGTH	RQD: %	REMARKS	DEGREE OF BREAKAGE: CONCENTRATION	DEGREE OF BREAKAGE: NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP: DEPTH	BEDDING DEP: ANGLE	BEDDING JOINTS: NO.	BEDDING JOINTS: FREQ.	CROSS JOINTS: NO.	CROSS JOINTS: FREQ.	COMMENTS
7	7	0		0													
17	10	9.7		0.5													
22	5	3.4		0.5													
26	4	3.1		0													
32	6	4.1		0.8													
37	5	5		0.4													
42	5	5		0.7													
47	5	5		2.8													
52	5	5		0.4													
57	5	5		0.5													
62	5	5		2.5													
67	5	5		2.5													
72	5	4.5		2.1													
77	5	5		1.0													
82	5	5		0													
92	10	7.2		0.5													
102	10	6		0.5													
112	10	6		0													
117	5	5		0													
127	10	10		1.0													
137	10	10		0.5													
142	5	5		0													
147	5	5		0.5													
152	5	5		3.5													
157	5	5		3.7													
162	5	5		2.4													

Fig. 1. Typical rock mechanics core log.

PROJECT: DY SHAFT
LOCATION: DS89-02
LOGGED: J.H. DAVIS
BOREHOLE NO.:
HOLE SIZE:
INCLINATION:
COORDINATES: N
E
ELEVATION:
DATE: June/89
PAGE: of

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	%		CHARACTERISTIC	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
167	5	5		2.7													
177	10	10		6.2													
182	5	5		3.2													
187	5	5		3.2													
192	5	5		4.3													
197	5	5		2.3													
202	5	4.5		0													

Fig. 1. Typical rock mechanics core log.

LONGEST DAY OF THE YEAR!

PROJECT _____ DRILLHOLE NO. DS89-02 COORDINATES: N _____ DATE June 21 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER Reznik & Kooker INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

start: 7.75 ft.

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY LENGTH	CORE RECOVERY %	RQD LENGTH	RQD %	HARDNESS	DEGREE OF BREAKAGE CATEGORY	DEGREE OF BREAKAGE NO.	DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP DEPTH	BEDDING DIP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
17	9.25	9.25		0			6		D							3	
22	5	3.25		0.4			6		D							2	
26	4	3.15		0			6		E							0	
32	4	3.95		1.8			7		D							1	
37	5	5		1.1			7		D							4	
42	5	5		0.7			7		D							2	
47	5	5		3.1			9		D							2	
52	5	5		0.7			6		D							2	
57	5	4.65		1			7		D							2	
62	5	5		2.25			7		D							1	
67	5	5		2.25			7		D							1	
72	5	4.35		2.4			8		D							3	
77	5	4.6		1.35			7		D							2	
82	5	5		0			6		D							2	
92	10	7.3		1.7			6		D							3	
102	10	6.15		1.4			6		D							2	
107	5	1.95		0			6		D							7	
112	5	3.35		0.45			6		D							0	
117	5	4.85		0.35			6		D							1	
128	11	11		3.25			7		D							2	
132	4	4		1.1			7		D							3	
137	5	4.1		0.35			6		D							2	
142	5	5		0			6		D							2	
147	5	4.35		0.55			6		D							3	
152	5	5		2.85			8		D							0	
157	5	5		3.1			9		D							2	
162	5	5		2.1			9		D							1	
167	5	5		2.45			10		D							3	
																3	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO 89-DS-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER REZNIK & KERBEL 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.	
177	10	10		4.65			9		D							5	
182	5	5		2.75			7		D							2	
187	5	4.75		3.95			9		D							0	
192	5	5		3.55			9		E							1	
197	5	4.35		2.1			9		D							3	
202	5	4.4		0			6		D							1	
212	10	10		3.45			7		D							3	
222	10	10		3.3			7		D							2	
232	10	10		4.75			8		D							2	
241	9	9		2.95			9		D							2	
252	11	11		1.15			6		D							2	
260	8	8		3.25			7		D							2	
262	2	1.65		1.35			10		D							1	
267	5	4.95		0			7		E							1	
272	5	5		1.3			7		E							1	
282	10	10		4.7			9		E							2	
287	5	5		4.65			10		E							0	
293.5	6.5	5		1.25			7		D							2	
303.5	10	9.35		5.7			9		D							1	
313.5	10	9.8		1.95			7		D							2	
317	3.5	3.5		0.4			6		D							1	
325	8	8		0.7			6		E							2	
335.5	10.5	10.5		2.4			8		E							1	
341	5.5	5.5		1.4			7		E							0	
347	6	5.9		1.5			7		E							2	
356	9	9		0.35			6		E							2	
366	10	7.5		0.35			6		D							1	
376.5	10.5	10		2.1			6		E							2	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-DS-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER Reznik & 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		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
387	10.5	9.45		1.05			6		E							2	
397	10	10		2.4			7		E							1	
407	10	9.6		2.65			7		E							0	
415	8	7.5		.75			7		E							0	
425	10	9.4		6.55			3		E							1	
427	2	1.8		.8			1		E							0	
437	10	9.3		4.1			9		D							0	
446	9	9.2		2.1			7		E							3	
457	11	10.8		5.75			9		E							4	
463	6	6		0			6		E							4	
473	10	10		5.95			10		E							5	
483	10	8.7		5.6			10		E							4	
493	10	10		7.55			11		E							2	
497	4	4		3.8			12		E							1	
505	8	4.3		1.2			6		E							1	
515	10	10		2.95			7		E							4	
527	12	11.4		4.8			7		E							2	
505	wedge																
511	6	5		.4			6		E							1	
522	10	9.9		5.75			8		E							1	
527	5	4.9		2.2			9		E							2	
532	10	10		1.45			7		E							2	
547	10	9.9		5.35			8		E							0	
557	10	10		2.75			8		E							1	
567	10	9.6		3.85			9		E							2	
577	10	10		6.8			9		E							2	
580	3	2.5		0			6		E							2	
587	7	7		1.2			6		E							1	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DS-89-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER Reznikv 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		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
597	10	10		4.35			7		E							1	
607	10	10		1.65			7		E							3	
617	10	10		2.95			8		E							1	
627	10	10		3.8			7		E							0	
637	10	8.6		1.85			7		E							2	
647	10	10		2			7		E							4	
655	8	6.7		.35			6		E							2	
665	10	10		1.2			7		E							2	
675	10	9.7		3.8			7		E							1	
685	10	10		2.65			8		E							0	
695	10	10		1.65			9		E							0	
705	10	10		5.95			10		E							1	
715	10	9.9		3.91			10		E							0	
727	12	12		7.10			9		E							0	
737	10	9.3		2.40			6		E							0	
747	10	9.60		1.50			7		E							1	
756	9	9		2.45			7		E							2	
766.5	10.5	10		2.15			7		E							0	
777	11.5	10.6		7.45			10		E							0	
787	10	10		5.55			10		E							1	
797	10	10		5.45			9		E							1	
807	10	9.35		4.15			7		E							1	
817	10	10		3.65			8		E							0	
827	10	10		6.35			10		E							1	
837	10	9.7		8.00			10		E							0	
847	10	10		8.00			10		E							0	
857	10	9.5		3.60			8		E							0	
867	10	9.7		5			9		E							1	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89 0509 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER Rezoik & 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		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
877	10	10		3.95			8		E								
887	10	9.4		1.15			7		E							0	
897	10	10		5.25			9		E							1	
907	10	10		4.35			7		E							0	
917	10	9.9		4.65			10		E							0	
927	10	9.8		7.9			9		E							0	
937	10	10		8.3			11		E							0	
947	10	9.8		8.2			13		E							0	
957	10	9.6		5.1			12		E							0	
964	7	6.7		5.55			12		E							0	
969	5	5		2.8			7		E							1	
972	3	2		.35			7		E							0	
982	10	9.9		2.9			7		E							0	
992	10	10		4.1			10		E							1	
1003	11	10.65		7.41			10		E							2	
1003.5	0.5	0.5		0			6		D							0	
1004	0.5	0.5		0			6		E							0	
1005	1	1		0.7			7		E							0	
1011	6	6		4.25			7		D							3	
1027	16	10.9		8.35			10		E							4	
1037	10	10		7.1			10		E							1	
1047	10	10		2.6			7		E							6	
1054	7	7		0.7			7		E							2	
1064	10	10		2.4			6		E							0	
1074.6	10.6	10.8		7.95			12		E							0	
1085	10.4	10.4		6.2			10		E							1	
1095	10	10		6.3			12		E							0	
1106	11	10.75		6.4			11		E							1	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 91-DS-02 COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER Bezuk & 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		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1116	10	10		6.7			10		E						1		
1127	11	10.35		4.55			9		E						1		
1136	9	8.95		4.4			6		E						1		
1140.5	4.5	4.5		3.2			7		E						3		
1154	13.5	8.2		.35			7		E						3		
1164	10	10		4.05			10		E						2		
1175	11	9.7		5.5			12		E						0		
1185	10	10		3.1			9		E						1		
1182.5	2.5	2.5		2.05			10		E						0		
1197	10.5	9.5		5.55			10		E						3		
1207	10	10		6.6			12		E						0		
1217	10	9		4.1			10		D						1		
1227	10	10		5.8			13		E						0		
1237	10	9.6		8.6			13		E						1		
1247	10	10		8.35			13		E						1		
1257	10	10		8.35			12		E						1		
1267	10	9.8		7.30			13		E						0		
1277	10	9.7		8.0			12		E						0		
to be cont'd																	
1287	10	10.0		5.1			10		E						1		

Fig. 1. Typical rock mechanics core log.

DDH 89DS-02 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Structural Log Date: June 26/89 Logged By: REDDIK/LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		112.1017	P1512				619	Micaceous flts
		112.1312	P1512				718	Micaceous flts
		112.1519	C1512	M		010 0100	619	Micaceous flts - comp. banding
		112.1714	C1512	M		010 0010	714	Micaceous flts - comp. banding
		112.1815	C1512	M		010 0130	716	micaceous flts - comp. banding
								EOH

BK 73

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

May 19, 1989
INVOICE # 2633

Curragh Resources
117 Industrial Rd.
Whitehorse Yukon
Y1A 2T8

Drilling charges for the period April 21 - May 15, 1989.

Mobilization:		
To Highway Point as per Clause 13 ½of $6000.00		3000.00
Moving + Setting Up on First Hole		
304 man hours @ $33.50 per man hour		10184.00
Hole #1 -90xNQ		
Overburden		
0-20=20 ft @ $20.00 per foot	400.00	
Reaming Casing		
20-583=563 ft @ $15.00 per foot	8445.00	
Core Drilling		
20-997=977 ft @ $25.00 per foot	24425.00	
Reaming Cave		
106 Man hours @ $33.50 per hour	3551.00	
53 Machine hrs @ $15.00 per hour	795.00	
Testing		
49 man hours @ $33.50 per hour	1641.50	
24.5 machine hrs @ $15.00 per hour	367.50	39625.00
Equipment Supplied		
Roto - Dip Rental @ $975.00 (2 mons. Min.) + 10%		2145.00
D-6 Tractor Rental - April 21- May 15 = 25 days @ $240.00 per day		6000.00
150 NQ Coreboxes @ $8.00 per box		1200.00
25 NQ Corebox Lids @ $3.00		75.00
Total Amount Due This Invoice		$62,229.00

CODE	JH1230-321
APPROVED	
DATE	June 6/89

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

June 21, 1989
INVOICE # 2645

Curragh Resources
117 Industrial Road,
Whitehorse Yukon
Y1A 2T8

Drilling charges for the period from May 16 - 31, 1989 (962)

Hole #1 -90xNQ		
Core Drilling		
997-1000 = 3 ft @ $25.00 per foot	75.00	
1000-1483 = 483 ft @ $26.50 per foot	12799.50	
Wedging		
#1 82 man hours @ $33.50 per hour	2747.00	
41 machine hrs @ $15.00 per hour	615.00	
#2 70 man hours @ $33.50 per hour	2345.00	
35 machine hrs @ $15.00 per hour	525.00	
1 Wedge @ $698.17 + 10%	767.99	
Cementing		
12 man hours @ $33.50 per hour	402.00	
6 machine hrs @ $15.00 per hour	90.00	
Testing		
35.5 man hours @ $33.50 per hour	1189.25	
17.75 machine hrs @ $15.00 per hour	266.25	
Standby Time		
18 man hours @ $26.30 per hour	473.40	
Material and Equipment Charges		
D-6 Dozer Rental - May 16-31 =		
16 days @ $240.00 per day	3840.00	
54 10' NW Wedges @ $698.17 + 10%	7522.42	
2 NQ Wedges @ $698.17 each + 10%	1535.98	35,193.79
Hole #2 90xHQ/NQ		
Moving		
78 man hours @ $33.50 per hour	2613.00	2,613.00

Total Amount Due This Invoice.....$37,806.79

CODE	JH1230 -321
APPROVED	
DATE	July 21 89

ARCTIC DIAMOND DRILLING LTD.

DAILY SHIFT REPORT SUMMARY

JOB # 8962 COMPANY Curragh Resources LOCATION Dy DRILL 56 DATE May 16-31/89

DATE	SHIFT	1 MOVING		2 CASING		3 CORE DRILLING		4 Wireline NON CORE DRILLING		5 REAMING CAVE		6 MAINTENANCE REPAIRS		7 CEMENTING		8 USE OF MUD		9 TESTING OR WEDGING		10 WATER SUPPLY		11 TRAVELLING TIME PAID		12 STANDBY TIME		TIME NOT ACCOUNTED FOR		13 TOTALS		14 OVERBURDEN	15 CORE DRILLING	16 REAMING CASING
		MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	MAN HOURS	MACHINE	TOTAL MAN	TOTAL MACH			
Hole #1				90° x NQ																												
May 16	D					20																									991	
	N					12												4										24			1047	1000' 90°; [illegible]
May 17	D					10												4						8				24			1101	1101 89°
	N					12½												4						10				24			1147	
May 18	D					21												5½										24			1217	90°
	N					18												3										24			1277	1267 88°30'
May 19	D					17												6										24			1347	[illegible]
	N					20												5										24			1417	
May 20	D																	4										24			1457	1370; 1410 88°30'
May 21	D							#1 24																(32)				32				
	N							24																				34				
May 22	D							24																				24				
	N																											24				
May 23	N																							(16)				16				
May 24	N							#2 24																(16)				16			1483	
May 25	D			8				16																				24				
	N			24																								24				
May 26	D													12														24				
May 27	D																							(20)				32				
	N																							(16)				16				
																								(16)				16				

cont

ARCTIC DIAMOND DRILLING LTD.

DAILY SHIFT REPORT SUMMARY

JOB # 89162 COMPANY Cumming's Resources LOCATION D.Y. DRILL 56 #1 DATE May 16-31/89

DATE	SHIFT	MOVING MAN HOURS	MOVING MACHINE	1 CASING MAN HOURS	CASING MACHINE	2 CORE DRILLING MAN HOURS	CORE DRILLING MACHINE	3 NON CORE DRILLING MAN HOURS	NON CORE DRILLING MACHINE	4 REAMING CAVE MAN HOURS	REAMING CAVE MACHINE	5 MAINTENANCE REPAIRS MAN HOURS	MAINTENANCE REPAIRS MACHINE	6 CEMENTING MAN HOURS	CEMENTING MACHINE	7 USE OF MUD MAN HOURS	USE OF MUD MACHINE	8 TESTING OR WEDGING MAN HOURS	TESTING OR WEDGING MACHINE	9 WATER SUPPLY MAN HOURS	WATER SUPPLY MACHINE	10 TRAVELLING TIME PAID MAN HOURS	TRAVELLING TIME PAID MACHINE	11 STANDBY TIME MAN HOURS	STANDBY TIME MACHINE	12 TIME NOT ACCOUNTED FOR MAN HOURS	TIME NOT ACCOUNTED FOR MACHINE	13 TOTALS TOTAL MAN	TOTALS TOTAL MACH	14 OVERBURDEN	15 CORE DRILLING	16 REAMING CASING
Hole	# 1			90' x NQ																												
May 28	D																															
	N																					(16)						16				
May 29	N							30														(16)						16				
May 30	D	38																										30				
May 31	D	40																										38				last 540 ft NW casing
		78		22		13½		42/70						12				36½				15/(142)						40	3			
																												614			486'	

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

June 21, 1989
INVOICE #2646

Curragh Resources
117 Industrial Rd.,
Whitehorse Yukon
Y1A 2T8

Drilling charges for the period from June 1-15, 1989 (962)

Hole #2 -90xNQ		
Moving		
31 man hours @ $33.50 per hour	1038.50	
Overburden		
0-10=10feet @ $20.00 per foot	200.00	
Reaming Casing		
10-42=32 feet @ $15.00 per foot	480.00	
Core Drilling		
10-291=281 feet @ $29.00 per foot HQ	8149.00	
291-887=596 feet @ $25.00 per foot NQ	14900.00	
Wedging		
42 man hours @ $33.50 per hour	1407.00	
17 machine hours @ $15.00 per hour	255.00	
Mud - Seal		
9 man hours @ $33.50 per hour	301.50	
4.5 machine hours @ $15.00 per hour	67.50	
Testing		
47.5 man hours @ $33.50 per hour	1591.25	
23.75 machine hrs @ $15.00 per hour	356.25	
Water Supply		
4 man hours @ $33.50 per hour	134.00	
Standby Time		
8 man hours @ $26.50 per hour	210.40	
Material and Equipment Charges		
D-6 Dozer Rental June 1-15 =		
15 days @ $240.00 per day	3600.00	
50 HQ Coreboxes @ $8.00 each	400.00	
		33,090.40

Total Amount Due This Invoice.....$33,090.40

CODE	JH1230-321
APPROVED	
DATE	May 31/89

3 Pails	20Kg Universal Resin @ $270.00 + 10%	891.00
1 Litre	Accelerator @ $22.00 + 10%	24.20
2	4 litre Pump Cleaner @ $25.00 + 10 %	55.00
4 (or 5)	NQ Displacement Plugs @ $12.00 ea	48.00
-	Freight - no charges rec'd yet- to follow----	
		4,817.31

TOTAL AMOUNT DUE THIS INVOICE $29,535.61

SEND TO: TORONTO ☐ FARO ☑

CODE	AMOUNT
TH1230-321	29535.61

APPROVED [signature] DATE Aug 5/89

ARCTIC DIAMOND DRILLING LTD.

DAILY SHIFT REPORT SUMMARY

JOB # 8962 COMPANY Curragh Resources LOCATION D4 DRILL BBS-36 #33 DATE June 1-15/89

DATE	SHIFT	1 MOVING MAN HOURS	1 MOVING MACHINE	2 CASING MAN HOURS	2 CASING MACHINE	3 CORE DRILLING MAN HOURS	3 CORE DRILLING MACHINE	4 TRY TO FREE RODS NEW CORE DRILLING MAN HOURS	4 TRY TO FREE RODS NEW CORE DRILLING MACHINE	5 REAMING CAVE MAN HOURS	5 REAMING CAVE MACHINE	6 MAINTENANCE REPAIRS MAN HOURS	6 MAINTENANCE REPAIRS MACHINE	7 WIRELINE OPERATIONS MAN HOURS	7 WIRELINE OPERATIONS MACHINE	8 USE OF MUD MAN HOURS	8 USE OF MUD MACHINE	9 TESTING OR WEDGING MAN HOURS	9 TESTING OR WEDGING MACHINE	10 WATER SUPPLY MAN HOURS	10 WATER SUPPLY MACHINE	11 TRAVELLING TIME PAID MAN HOURS	11 TRAVELLING TIME PAID MACHINE	12 STANDBY TIME MAN HOURS	12 STANDBY TIME MACHINE	13 TIME NOT ACCOUNTED FOR MAN HOURS	13 TIME NOT ACCOUNTED FOR MACHINE	14 TOTALS TOTAL MAN	14 TOTALS TOTAL MACH	15 OVERBURDEN	16 CORE DRILLING	16 REAMING CASING
Hole	# 2			90' x HQ																														
June 1	D	15																																
2	D	15																												16	3			
2	2			8		8																		(6)						20				
3	D					2			CASING 22					4												4		24			#3 0-10	10-26		
3	2					14½																								24			-32	NW 10-28
4	D					23								3		2½		4												24			-47	
4	2					20										1														24			122	R 9.°
5	D			7		16										4														24			202	R in 70°
5	2			4		13										1														24			255	-35 R 90°
6	D									(6)						4										(3)				24			291	R in 90°
6	2			5				(12)																		(18)				24			-	
7	D							(8)																						24			-	-42
7	2							(24)																		(6)				24			-	
8	D							(24)																						24				
8	2			8		12																								24				
9	D					20																				(4)				24			NW 291 -317	NW AT 291'
9	2					14										2														24			387	R 317 } 90° R 327 }
10	D					14								2		6								4						24			427	RA 335. RA 427 - 90°
10	2					21										4								4						24			463	RA. 180° ?
11	D					4				(18)						2														24			515	IR - 90°
11	H											8L				2														24			597	251 87½° 220° SW.
		Count																												32				

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

July 10, 1989
INVOICE #2649

Curragh Resources
117 Industrial Road
Whitehorse Y.T.
Y1A 2T8

Drilling charges for the period June 16-June 30, 1989.(DY - 962) Drill 56 #33

Hole #2 90xNQ		
Core Drilling		
887-1000=113 feet @ $25.00 per foot	2825.00	
1000-1287=287 feet @ $26.50 per foot	7605.50	
Reaming Cave		
81 man hours @ $33.50 per hour	2713.50	
40.5 machine hrs @ $15.00 per hour	607.50	
Cementing		
142 man hours @ $33.50 per hour	4757.00	
71 machine hrs @ $15.00 per hour	1065.00	
Testing		
28 man hours @ $33.50 per hour	938.00	
14 machine hrs @ $15.00 per hour	210.00	
Wedging		
10 man hours @ $33.50 per hour	335.00	
5 machine hrs @ $15.00 per hour	75.00	
Standby Time		
116 man hours @ $26.30 per hour	3050.80	
Relocate & Repair Power Plant		
16 man hours @ $33.50 per hour	536.00	24,718.30
Material and Equipment Charges		
D-6 Dozer Rental - June 16-19 = 4 days @ $240.00 per Day	960.00	
Roto Dip Rental @ $975.00 per month - no charges received yet - to follow	--- --	
2 Bags Fondu Cement @ $57.60 + 10%	126.72	
7 Bags Cal Seal @ $98.90 +10%	761.53	
6 Bags Permafrost Cement @ $57.60	345.60	
3 VK Grout Plugs @ $97.77 + 10%	322.47	
1 Bypass Wedge @ $698.17 ea + 10%	767.99	
1 NQ Bit #11578/4 @ $468.00 + 10%	514.80	
1 HQ W/L Bit (Hobic) #9Q441	n/c	
2 Pails 20kg Universal Resin	n/c	
1 litre Accelerator	n/c	
2 4 Litre Pump Cleaner	n/c	
4 NQ Displacement Plugs	n/c	
- Freight	n/c	

...../2

ARCTIC DIAMOND DRILLING LTD.

DAILY SHIFT REPORT SUMMARY

JOB # 8962 COMPANY CUERADA RESOURCES LOCATION Dy DRILL 56 & 53 DATE 16 - 30 June 89

DATE	SHIFT	1 MOVING MAN HOURS	1 MOVING MACHINE	2 CASING MAN HOURS	2 CASING MACHINE	3 CORE DRILLING MAN HOURS	3 CORE DRILLING MACHINE	4 NON CORE DRILLING MAN HOURS	4 NON CORE DRILLING MACHINE	5 REAMING CAVE MAN HOURS	5 REAMING CAVE MACHINE	6 MAINTENANCE REPAIRS MAN HOURS	6 MAINTENANCE REPAIRS MACHINE	7 CEMENTING MAN HOURS	7 CEMENTING MACHINE	8 USE OF MUD MAN HOURS	8 USE OF MUD MACHINE	9 TESTING OR WEDGING MAN HOURS	9 TESTING OR WEDGING MACHINE	10 WATER SUPPLY MAN HOURS	10 WATER SUPPLY MACHINE	11 TRAVELLING TIME PAID MAN HOURS	11 TRAVELLING TIME PAID MACHINE	12 STANDBY TIME MAN HOURS	12 STANDBY TIME MACHINE	13 TIME NOT ACCOUNTED FOR MAN HOURS	13 TIME NOT ACCOUNTED FOR MACHINE	14 TOTALS TOTAL MAN	14 TOTALS TOTAL MACHINE	15 OVERBURDEN	16 CORE DRILLING	16 REAMING CASING
HOLE		2		90	x	NQ																											
June 16	D					12																											
16	N					22														5				12				29	–		887		
17	D					14										2	1											24	1		917		
17	N									(16)						4	2											24	2		969		
18	D					3				(12)																		12	–		1002		
18	N					1		21	12½																			24	10½		1002		
19	D					20		18	9									5										24	9		1003		
19	N					19		2	1	(2)																		24	1		1005		
20	D					16										5	2½											24	2½		1054		
20	N					19										8	4											24	4		1106		
21	D					22				(2)						3	1½											24	1½		1154		
21	N					10										2	1											24	1		1197		
22	D					3										4	2	TEST										24	7		1247		
22	N									(21)						10	5	WEDGE										24	–		1277		
23	D									(12)				(16)														24	–		1287		
23	N							24	12																			28	–		1287		
24	D							16	8			8	4															24	12	–	1287		
24	N																											24	12		1287		
25	D																					16		8*				24	÷		1289		
25	N											16	8									16				8*		16	–		1289		
												16	8															24	8		1289		
																												16	8		1289		

ARCTIC DIAMOND DRILLING LTD.

DAILY SHIFT REPORT SUMMARY

JOB # 8962 COMPANY Curragh Resources

LOCATION Dy DRILL 56 # 33 DATE 16-30 June 89

DATE	SHIFT	1 MOVING – MAN HOURS	MOVING – MACHINE	2 CASING – MAN HOURS	CASING – MACHINE	3 CORE DRILLING – MAN HOURS	CORE DRILLING – MACHINE	4 NON CORE DRILLING – MAN HOURS	NON CORE DRILLING – MACHINE	5 REAMING CAVE – MAN HOURS	REAMING CAVE – MACHINE	6 MAINTENANCE REPAIRS – MAN HOURS	MAINTENANCE REPAIRS – MACHINE	7 CEMENTING – MAN HOURS	CEMENTING – MACHINE	8 USE OF MUD – MAN HOURS	USE OF MUD – MACHINE	9 TESTING OR WEDGING – MAN HOURS	TESTING OR WEDGING – MACHINE	10 WATER SUPPLY – MAN HOURS	WATER SUPPLY – MACHINE	11 TRAVELLING TIME PAID – MAN HOURS	TRAVELLING TIME PAID – MACHINE	12 STANDBY TIME – MAN HOURS	STANDBY TIME – MACHINE	13 TIME NOT ACCOUNTED FOR – MAN HOURS	TIME NOT ACCOUNTED FOR – MACHINE	14 TOTALS – TOTAL MAN	TOTALS – TOTAL MACH	15 OVERBURDEN	16 CORE DRILLING	REAMING CASING
June 26	D																															
26	N													24	12													24	12		1287	
27	D																							16				16	–		1287	
27	N													24	12													24	12		1287	
28	D													24	12													24	12		1287	
28	N																							16				16	–		1287	
29	D											(6)												16				16	–		1287	
29	N																							10				16	–		1287	
30	D													24	12													24	12		1287	
30	N													6	3									10				16	3		1287	
																								16				16	–		1287	
T.						161				81	40½	(61)		142	71	(16)		38	19	(5)		(5)		116	(12)	16*		653	130½			* Man Power R…

LANGLEY, B.C.
V0X 4P8

5674

SOLD TO Arctic Diamond Drilling
184 Industrial Rd.
Whitehorse, YT

SHIP TO SAME

SALES REP	TERMS	SHIPPED VIA	AWB #	F.O.B.	DATE
J.C.	Net 30	C.A.In'l	)01831420712	Langley	June 27/89

	QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION	UNIT PRICE	AMOUNT
1	2	2	20 Kg. Universal Resin	--	--
2	1	1	1 Litre Universal Accelerator	--	--
3	2	2	4 Litre Pails D.O.P. Pump Cleaner	--	--
4					
5			TRIAL SAMPLES ONLY ____		N/C
6					
7					
8					
9					
10					

REDIFORM 7S021E TRIP

INVOICE

2

SPEEDIPLY PAT'D MCP PAT'D

rec'd July 24

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

July 25, 1989
Invoice #2652

Curragh Resources
117 Industrial Road,
Whitehorse Yukon
Y1A 2T8

DG

Drilling charges for the period July 01-11, 1989. Drill(56)#33 Job 962.

Hole #2 90xNQ

Moving		
35 man hours @ $33.50 per hour	1172.50	
Reaming Cave		
48 man hours @ $33.50 per hour	1608.00	
24 machine hours @ $15.00 per hour	360.00	
Cementing		
78 man hours @ $33.50 per hour	2613.00	
39 machine hrs @ $15.00 per hour	585.00	
Testing		
3 man hours @ $33.50 per hour	100.50	
1½ machine hrs @ $15.00 per hour	22.50	
Standby Time		
170 man hours @$26.50 per hour	4471.00 ✓	
Travelling Time		
16 man hours @ $26.30 per hour	420.80	11353.30
Material Left in Hole		
3 - 10 ft NW Casing @ $108.45	325.35	
6 - 5 ft HW Casing @ $ 95.25	571.50	
7 - 10 ft H W/L Rods @ 151.50	1060.50	
1 - 5 ft HQ outer-tube Assembly	425.35	2382.70

Total Due This Invoice.....$13,736.00

SEND TO:	TORONTO ☐ FARO ☑
CODE	AMOUNT
JH#1230-321	13,736.00
APPROVED	DATE July 5/89

ARCTIC DIAMOND DRILLING LTD.

DAILY SHIFT REPORT SUMMARY

JOB # 8962 COMPANY CUREALGH LOCATION: DY DRILL 56 #33 DATE 01-15 JULY 87

DATE	SHIFT	MOVING MAN HOURS	MOVING MACHINE	1 CASING MAN HOURS	1 CASING MACHINE	2 CORE DRILLING MAN HOURS	2 CORE DRILLING MACHINE	3 NON CORE DRILLING MAN HOURS	3 NON CORE DRILLING MACHINE	4 REAMING CAVE MAN HOURS	4 REAMING CAVE MACHINE	5 MAINTENANCE REPAIRS MAN HOURS	5 MAINTENANCE REPAIRS MACHINE	6 CEMENTING MAN HOURS	6 CEMENTING MACHINE	7 USE OF MUD MAN HOURS	7 USE OF MUD MACHINE	8 TESTING OR WEDGING MAN HOURS	8 TESTING OR WEDGING MACHINE	9 WATER SUPPLY MAN HOURS	9 WATER SUPPLY MACHINE	10 TRAVELLING TIME PAID MAN HOURS	10 TRAVELLING TIME PAID MACHINE	11 STANDBY TIME MAN HOURS	11 STANDBY TIME MACHINE	12 TIME NOT ACCOUNTED FOR MAN HOURS	12 TIME NOT ACCOUNTED FOR MACHINE	13 TOTALS TOTAL MAN	13 TOTALS TOTAL MACH	14 OVERBURDEN	15 CORE DRILLING	16 REAMING CASING
HOLE #	2			90° x N	2																										1287	
INVCN	D													16	8													16	8		1287	
01	N																					16						16			1287	
02	D													16	8													16	8		1287	
02	N																					16						16			1287	
03	D																					16						16			1287	
03	N																					16						16			1287	
04	D																					16						16			1287	
04	N																					16						16			1287	
05	D																					16						16			1287	
05	N																					16						16			1287	
06	D													6	3							6						12	3		1287	
06	N													24	12													24	12		1287	
07	D													8	4							8						16	4		1287	
07	N													8	4							4						12	4		1287	
08	D	(4)																				24						28			1287	
09	D							24	12																			24	12		1287	
09	N							24	12																			24	12		1287	
10	D	19		(51)		(2)												3	1½									24	1½		1287	
10	N			18																								18			1287	
11	D	16																										32			1287	
T		(4) 35		18		(2)		48	24			78	39			3	1½					16						374	64½		1287	@ DRILLED

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

August 28, 1989
Invoice # 2660

Curragh Resources
117 Industrial Road
Whitehorse Yukon
Y1A 2T8

Drilling charges for the period July 01-11, 1989. (962) Drill 56/#33

Hole #2 90xNQ

Freight charges for Universal Resin and Accelerator	260.48
Rental of Rotodip - June 20 to July 13, 1989.	720.00
Total Amount Due this Invoice	$980.48

TORONTO ☐	FARO ☑
CODE	AMOUNT
JH1230-321	980.48
APPROVED	DATE Sep 6/89

R 63201320 ACCT NO: 12560009 ITEM NO: 1 018 63201320

Name and Address

HIESSEN TERRACRETE SYSTEMS LTD
)663 199A STREET LANGLEY, B.C

Shipper's account Number

Not negotiable
Air Waybill*
(Air Consignment note)
Issued by

CANADIAN AIRLINES INTL
CALGARY, ALBERTA

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity

Consignee's Name and Address

80389 T
ARCTIC DRILLING
184 INDUSTRIAL ROAD
WHITEHORSE, YUKON

Consignee's account Number

12560009

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPERS ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIERS LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

Issuing Carrier's Agent Name and City

CANADIAN AIRLINES INTL YVRFF

Accounting Information

CT ARCTIC DIAMOND DRILLING 184
INDUSTRIAL RD WHITEHORSE, YT Y1A2V1
PRO PU ZON XX DL ZON XX

Agent's IATA Code

61 9 9185

Account No

Airport of Departure (Addr. of first Carrier) and requested Routing

VANCOUVER

To	By first Carrier (ROUTING AND DESTINATION)	to	by	to	by	Currency	CHGS code	WT/VAL PPD	WT/VAL COLL	Other PPD	Other COLL	Declared Value for Carriage	Declared Value for Customs
XY	CANADIAN AIRLINES						CC		X		X	NVD	NCV

Airport of Destination	Flight/Date (FOR CARRIER USE ONLY)	Flight/Date	Amount of Insurance
WHITEHORSE	621/0507		XXXXX

INSURANCE - If Carrier offers insurance, and such insurance is requested in accordance with the conditions on reverse hereof, indicate amount to be insured in figures in box marked 'Amount of Insurance'.

OTEDANGEROUS GOODS AS PER ATTACHED SHIPPERS DEC

B

No. of Pieces RCP	Gross Weight	kg lb	Rate Class / Commodity Item No.	Chargeable Weight	Rate / Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)
6	86.0K	Q		86.0	2.68	230.48	DANGEROUS GOODS
	84.0K						CNTNR NBR- AVEB135CP
	GUARANTEED AIR FREIGHT*						
6	86.0K					230.48	TIME ACCEPT 16:21

Prepaid	Weight Charge	Collect
		230.48

Other Charges RAC 30.00

Valuation Charge

Tax

Total other Charges Due Agent

Total other Charges Due Carrier
30.00

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.

Signature of Shipper or his Agent

Total prepaid	Total collect
	260.48

Currency Conversion Rates

CC charges in Dest. Currency
260.48

04 JUL 89 YVR

Executed on (date) at (place) Signature of Issuing Carrier or its Agent

For Carriers Use Only at Destination

Charges at Destination

Total collect Charges
260.48

TAF-1 84-85

018 63201320

INVOICE COPY