CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 88 FX-01

Reference Fabric Orientation Diagram:

Project: Ferro Northwest Exploration

Location: _____

Claim: _____

~~Terr.~~ UTM Plane Co-ords.: 6,915,610 N

581,350 E

Grid Co-ords: _____

Elevation: 1259 m.

All symmetry determinations looking

Total Depth: 996 feet (303.6 m) NW with 52 dipping

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

Purpose: test favourable horizon (Vangorda - Mt Mye contact) for sulphides

Reason hole Terminated: No sulphides encountered + out of money

Logged by: C.V. Reed / L.C. Pigage Date(s) Logged: Oct 18 - 20, 1988

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented: No Steel down Hole: _____

Assay Lab: _____

Certificate No's: _____

CORE Size	From feet	To	Collar Cased and Capped: Yes
NW	0	10 no core	10' casing
NQ	10	996	

Started: Oct 13/88 Completed: Oct 18/88

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH 88FX-01 (2–8)

Date: Nov 3/88 Logged By: LCP + CVR

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	88FX-01	1259	9156.10	5813.50	feet	52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2–8	10–14	22–26	28–32	34–56
R	88FX-01	0	180.0	0.0	AT COLLAR
R	88FX-01	0780 (23.8)	179.0	?.	DIRECTION UNREADABLE
R	88FX-01	3780 (115.2)	172.2	036.0	SPERRY SUN SINGLE SHOT
R	88FX-01	6780 (206.7)	167.5	044.0	SPERRY SUN SINGLE SHOT
R	88FX-01	9780 (298.1)	165.3	044.0	SPERRY SUN SINGLE SHOT
R	88FX-01	9780 (298.1)	164.7	043.0	SPERRY SUN SINGLE SHOT
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R					
R					
R					
R					
R					
R					

put in 036

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2–8	10–56
		AZIMUTH FOR TOP IS ASSUMED 036

DDH 88FX-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 18/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	100	1136		1	#1	TRICONED - NO RECOVERY
		41				
	1136	1415		2	13P10	± 9 weak Moderately Weathered
		126				Mod hard, dull dark green-grey, thinly PS2 laminated, calc-
						silicate phyllite Contains abundant patchy orange rust on S2 +
						fracture surfaces - local slight patchy rust on cut surface near
						TOH. Where fresh, S2 surfaces are dull dark green-grey to
						locally black w greenish hue. Contains abundant thinly PS2
						laminated, finely xtaline dark dull green hornblende ∓ chl?, ± qtz.
						Within this fine grained thinly laminated "groundmass" are
						thin slightly coarser white-grey ∓ apple green qtz + calc epidote bands, ranging from
						1mm to 4cm thick. Average thickness < 1/2 cm. Bands are
						aligned ‖ to S2 and are approx 5% of the unit volume
						Biotite occurs locally in traces developed in 1 to 2mm
						thick bands ‖ to S2.
						Unit is locally slightly carbonaceous in intervals up to
						1.5' thick and are 20% of unit volume. Within these
						carbonaceous "bands", carbon occurs locally concentrated on S2
						partings giving the rock a grey-black aspect + darkening
						S2 surfaces
						Only local ∓ minor thin filiform reg. qtz veins.
						Local thin fractures are infilled w cream-white calcite.
						The overall dark green, thinly laminated appearance of the
						non-carbonaceous intervals may suggest a metabasite parent
						for these intervals
						707 - 14.5 mod broken, mech good

DDH 88FX-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 19/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						14.5 - 16.5 rubble, recov. 0.K.
						16.5 - 36.4 ± broken, recov. 0.K.
						36.4 - EOT ± broken, recov. 0.K
						No obvious faults.
	141 5	147 2		13	13C14	#7 Unit weathered.
		144				Mostly soft, medium dull green, thinly PSz laminated, calcareous, chloritic altered metabasite. Margins of unit are sharp, // to Sz. Sz surfaces are dull medium olive green and locally show patchy rust. Carbide occurs disseminated in ± thin grey white laminations which are locally concentrated into thicker bands up to 2cm thick.
						Core ± broken, 3' recovered. Minor amounts of flaky gouge? sludge recovered.
	147 2	181 0		14	13D10	± 9 wash
		247				Same as unit # 2 except weathering is less intense, carbonaceous intervals are more prominant and thin brown biotite laminations are more common. Moving down the interval, rock is slowly losing green and becoming more grey. Carbonaceous bands range from a few inches to 2½ feet. Margins of bands are gradational over a few inches. Carbonaceous bands are 30-40% of unit volume. Biotite is locally developed in thin brown laminations locally concentrated into thin PSz bands up to 2" thick.

DDH BBFX-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: OCT 18/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Thin light tan-grey ± local blue-green hue, qtz + calcite ± epidote ± hornblende? bands range from 1mm to 1cm thick becoming more abundant moving down the interval. These bands locally define lithons. calc-silicate bands range from 5% of unit volume down to 6.9.8' and are 15% of volume down to the end of the unit.
						TOI - 56.0 ± broken, very good.
						56.0 - 56.6 ± broken, very O.K.
						56.6 - 57.0 incipient soft flaky gouge - mylonite band? very O.K.
						57.0 - 59.0 ± broken 1.8' rec'd.
						59.0 - EOI ± broken very good.
	181 0	1818 6		15	13019	±3 minor
		27 0				Moderate to very hard, thinly PS_2 laminated dark grey-black ± local slight green hue, carbonaceous, calc silicate phyllite S_2 surfaces are shiny black and only slightly mark fingers. Contains only local minor thin light grey-green-blue calc silicate ± qtz ± minor calcite bands. Band are < 1/2 cm thick and one upper 5% of unit volume. Core is mod-broken. Only slight patch cut on S_2 + fracture surfaces. No faults
	1818 6	1919 8		16	13019	
		30 4				Same as #5 except light qtz + calc silicate + calcite bands are very frequent. Overall appearance is a homogeneous

DDH 88FX-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: OCT 18/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
						dark grey ū green hue. Unit is moderately hard, thinly
						PS2 laminated calc-silicate phyllite. S2 surfaces are dull black-
						local pale green chl clots are visible. Contains local thin
						foliaform qtz veinlets in bottom 1' of interval.
						Core is broken, recy is good. No faults.
						Only local minor thin bio folia visible - may be masked
						by carbon.
	99.8	107.0 (32 6)		17	3C 4#	BIO (3DO ± 9 weak) (10QO) 50:40:10
						Dominant unit is mod soft, thinly PS2 laminated,
						calcareous, biotitic, light brown-grey-green, altered metabasite.
						Laminations defined by brown bio folia, light grey-white calcite
						+ qtz + sericite + dol?, and medium to dark green hornblende + chl? folia.
						Top 3" band against 3D is incipiently brecciated ū abundant
						calcite infilling fractures. S2 surfaces are a dull light olive
						green-grey. Entire interval contains abundant thin fractures infilled ū calcite.
						Interbanded ū metabasite are thin intervals of moderately
						hard, dark grey-green, locally moderately carbonaceous, calc-
						silicate phyllite. Calc-silicate bands are thinly PS2
						laminated and range in thickness from 5" to 1.0'.
						Margins are // to S2
						104.3 - 104.9 is highly broken due to folding? white
						pegmatitic qtz vein. Margins are highly broken + incipiently
						brecciated
						TOI - 103.3 ū broken along local steep fractures, recy
						good.

DDH 88FX-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: oct 19/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						103.3 - EOI ~ broken along fractures, very O.K.
	110 17	112 12	3	18	13 D 10	9 mark. (364 ft) Trace
		37	3			Mod hard, dark grey ~ local green hue, thin PSz laminated, moderately carbonaceous, calc-silicate phyllite. Sz surfaces are dull black ~ local minor bio + chl flakes. Fracture surfaces have abundant orange rust coatings. Unit contains only local ~ minor thin light grey-green "feathery" qtz ± minor calcite ± apple green epidote bands aligned // to Sz.
						Top 5' of unit contains abundant steep rusted fractures. Carbon is locally "bleached" out in thin bands within this interval. Thin fractures are infilled ~ calcite.
						Contact at 108.3 is highly broken + fractured, calcareous, rusted, 3" thick, mod soft malachite band.
						FOI - 110.8 ~ broken due to fracturing, very good.
						110.8 - EOI ~ broken, very good.
	112 12	116 17	1	19	13 D 10	± 9
		50	9			Mod hard, thinly PSz laminated, medium green-grey to locally black ~ green hue, calc silicate phyllite. Compositional banding is locally ~ well developed - defined by 2 mm to 2 cm thick concentrations of brown bio & qtz, medium to dark green hornblende ± chl? ± qtz? bands, and finely crystalline bands of qtz + apple green epidote ± blue-green hornblende. ± minor calcite. Banding defines Sz.
						Carbon occurs locally on Sz partings in local intervals up to 10' thick. Core is dark grey to black + Sz is dull

DDH B.B.F.K-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 19/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						carbon black within trace intervals. White creamy infills local minor steep fractures. Core slightly broken, recovery good. No faults.
L	11617	11783 54 3		110	131D101	± BXA (INCIPIENT) ± GOUGE I 9 TRACE TOI - 172.5 is highly fractured, medium to pale green, moderately hard, fine-grained, thinly BS2 - laminated, calc-silicate. Contains local bands ranging from 0.5 cm - 5 cm consisting of pale apple green epidote / hornblende-quartz with traces of fine biotite. Biotite also defines local thin bands parallel S2. Locally traces of carbon in thin folia also define dark grey to black bands parallel S2. Banding commonly disrupted & displaced by thin abundant fractures which are steep (30° core axis). Thin apple-green rimmed by blue green banding within biotite-matrix is absent in this unit so probable retrograding? Fractures infilled by cream white calcite. Interval 172.5 - 177.0 is very soft, dark green mud gouge and brecciated rubble. Margins of gouge not recovered, rubble consists of highly fractured, very hard, dull light green calc-silicate. Fractures are infilled with white quartz. Only 1.3 feet recovered. Interval 177-EOI is same highly fractured, moderately hard, light green 3D as @ TOI. TOI - 172.5 slightly broken w/ good recovery // 172.5 - 177 gouge & brx w/ 1.3 ft recovered // 177 - EOI slightly broken w/ good recovery
L	11783	11812 55 5		111	1101D8	Dominant unit is moderately soft, noncalcareous, pale green-grey, chloritic schist. Abundant chlorite occurs in elongate, pale green clots up to 0.5 cm thick. Chlorite possibly relict andalusite (?). Clots elongate parallel S2 cleavage. S2 surfaces are dotted light silvery grey and dull pale green. Local minor biotite developed in thin folia parallel S2. Core mod. broken w/ good recovery.

DDH 88FX-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 19/88 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
L	1812	1816.4 (56.8)		12	F41$	B10 — 15 (1CD8) 35 85:15
						Moderately soft, thinly PS2-laminated, pale tan cream, brown, and dull green banded, altered metabasite. Banding defined by local biotite, dolomite, chlorite variations and ranges on scale 0.5 cm – 3.0 cm. Banding parallel S2. Interbanded w/ metabasite on scale 3 inches – 10 inches are intervals of pale green-grey, chlorite-clotted, moderately soft, PS2-foliated, noncalcareous schist. Unit same as higher ICD (Unit # 11) Margins of ICD8 bands are parallel S2 and sharp.
						Entire intvl contains local thin fractures infilled w/ qtz and lesser calcite. Fractures steep - generally less than 20° to core axis.
						S2 for metabasite ranges from dull olive green to medium brown.
						TOI - 183.5 mod. broken w/ good recovery // 183.5 - 185.5 very broken on local fractures w/ good recovery // 185.5 - EOI mod. broken w/ good recovery
L	1816.4	1914.4 (59.3)		13	ICD18	
						Moderately soft, light to medium green-grey, chlorite-clotted, noncalcareous schist. Moderately biotitic. S2 surfaces light greyish green w/ local med. green lath's of chlorite (clots on cut surface) up to 0.5 cm long. Biotite occurs locally developed in thin folia and bands parallel S2. Minor andalusite (fine) associated with biotite bands locally. Biotite bands less than 0.5 cm thick and are parallel S2. Some local thin white quartz veinlets / commonly w/ dark green chlorite infilling fractures. Veinlets slightly broken because of tight folding.
						TOI - 188.5 very broken w/ good recovery // 188.5 - 189.7 slightly broken w/ good recovery // 189.7 - EOI mod. broken along fractures & S2 w/ good recovery.

DDH 88FX-01 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: OCT 19/88 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	119.14	119.93 60	7	14	IIFI$1	BIO Thinly PS2-laminated, dull medium green w/ local thin brown bands, moderately soft to locally hard, locally moderately dolomitic metabasite. Top 1 foot is moderately hard with abundant thin qtz-rich laminae - no biotite in this intvl. Remaining unit moderately soft and contains thinly laminated brown biotite bands ranging 0.5 cm - 3.0 cm thick. Biotite bands commonly have cores of pale green chlorite. Dolomite occurs locally associated w/ biotite and chlorite bands. S2 surfaces are dull medium green grey and locally contain small brown biotite flakes. Local minor medium green chlorite clots. Cleavage only locally poorly developed. Medium dull green colour, lack of chlorite cleavage, thinly laminated textures, and local indicates metabasite rather than metapelite. Core mod. broken w/ good recovery
L	119.93	121.17 66	0 1	15	ICIDIOI8	[ICD I8] (IF $ 4) 90:10 Dominant unit is moderately soft light brown grey to locally green grey, PS2-foliated, noncalcareous, chlorite-biotite schist. Poorly PS2-banded w/ banding defined by fine brown biotite in matrix locally biotite associated w/ minor greenish-white andalusite. Contains abundant chlorite clots averaging 0.5 cm long - elongate in S2. S2 surfaces are dull brown grey w/ local med. to dk green chlorite clots. 210.0-211.8 is light tannish green and tan-white striped, moderately soft, dolomitic, slightly altered metabasite. Banding planar and defined by paper thin chlorite foliae alternating w/ thicker tan grey dolomite. Margins sharp and parallel S2. Unit locally altered to dull yellow tan. TOI-212 mod. broken on S2, recovery good / 212-214 very broken, recovery good / 214-EOI slightly broken, recovery good. Last 8" abundant thin white quartz veinlets

DDH 88FX-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 19/88 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
L	2117 0	2211 1 (67 4)		16	F$	
						Homogeneous, thinly banded, dolomitic, medium green metabasite. Moderately soft. S2 surfaces are dull medium green w/ local dark green chlorite specks. Chlorite schist. Abundant chlorite defines medium green PS2-bands ranging from 1mm - 5mm. White-tan dolomite finely dissem within these bands and locally forms thin laminae parallel S2. No biotite.
						Top contact slightly oxidized against vein qtz. Lower contact also slightly oxidized.
						TOI-220 slightly brken, good recovery / 220-EOI very brken on steep fractures, recovery good
L	2211 1	2166 0 (81 1)		17	CD0	±8 minor (IF$) TRACE
						Light brown-green to locally green-brown, noncalcareous, PS2-foliated, biotite-chlorite ± andalusite schist. S2 surfaces mottled brown, pale green, and dark green. Contains abundant poorly defined brown biotite-andalusite bands ranging up to 3cm thick. Also contains abundant chlorite clots which commonly have biotite-andalusite overgrowths; clots range up to 1cm long; elongate parallel S2. Local intervals up to 1.5' thick, dominantly near EOI - biotite ~~in matrix does not occur - only~~ occurs in biotite-andalusite bands/clots.
						239.5-240.2 is light olive green and tan-white thinly banded, moderately soft, dolomitic metabasite. Banding less than 0.5 cm thick and defined by local concentrations of chlorite and dolomite, light brown biotite developed in traces parallel S2. Contains local tiny black specks of a nonmagnetic mineral.
1						S2 surfaces are dull, light apple green. Also has local light brown biotite flakes. Margins sharp parallel S2.
						TOI-232 mod. brken, recovery good / 232-234.2 very brken on fractures, recovery good / 234.2-242.5 slightly brken, recovery good / 242.5-245.0 mod. brken

on steep fractures, / 245-264.9 mod brken, rec good / 250-251.4 highly brken, pegmatitic qtz vein / 264.9-EOI very brken, recovery good. No obvious faults

DDH 88FX-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 19/88 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	121616	121619.82	2.1	1/18	1/1C1D18	(IF$ BIO) 75:25
						TOI - 267.5 Thinly laminated, medium to dark green, light brown, and light tan, moderately soft, dolomitic metabasite. Local concentrations of thin brown biotite folia define PS2 parallel bands up to 2cm thick. Contains abundant dolomite in thin tan laminae and bands parallel S2. S2 surfaces mixable — light, buff brown along biotite folia and clotted dark green and tan along chlorite-dolomite folia. Margins of metabasite sharp parallel S2.
						267.5 - 268.7 Similar to Unit # 17 ( ) only biotite occurs only in biotite-andalusite clots with no biotite in matrix
						268.7 - 269.2 same metabasite as higher only dolomite less abundant. Biotite bands less than 0.5 cm thick
						Core mod. broken, recovery good
L	121619.2	310169.35	8	1/19	1/1C1D10	8 (IF$ BIO) MINOR
						Very light brown green, PS2-foliated, noncalcareous, muscovite-chlorite slightly > biotite ± andalusite schist. Brown biotite incipiently developed in matrix. Biotite more abundant in elongate clots which commonly contain light pink andalusite. Clots range up to 1cm thick. Light green chlorite (+muscovite) occurs in abundant clots ranging up to 0.5 cm across. Chlorite also dominant component in matrix.
						S2 surfaces commonly clotted silvery grey and buff medium green. Locally S2 has abundant brown biotite flakes
						Core mod. broken, recovry good. No obvious faults
1						Contact @ 296' is 2 inch band of pale green and brown, dolomitic PS2-foliated metabasite. Margins parallel S2.

DDH 88-FX-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 19/88 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	131016	131145		210	11F1$1	
		95	9			Homogeneous, thinly laminated, med. green and tan, moderately soft, dolomitic metabasite. Relict diabasic texture preserved. S2 surfaces are clotted med green w/ lighter apple green and local thin tan patches. Abundant dolomite occurs in thin tan laminae and fine specks which define the relict diabasic texture. No visible biotite. Contain local concentrations of fine black specks (opaque mineral?). Core slightly broken, recovery good. Margins sharp parallel S2.
L	131145	131464		211	11CD1	GARNET
		105	10			Medium brown-green, noncalcareous, PS2-foliated, moderately soft, chlorite-biotite-andalusite garnet schist. Matrix comprised of biotite ± chlorite in thin brown and green laminae which are locally concentrated to form diffuse bands ranging from 0.5cm - 4cm in thickness. Within matrix are abundant subrounded chlorite clots and biotite with tiny pink andalusite intergrowths in clots up to 1cm thick. Garnet are pink and occurs locally in small subhedral porphyroblasts up to 3mm long. Garnets not present below about 329.5 feet.
						TOI - 320.5 very broken on local sharp fractures, rec. good / 320.5 - EOI mod. broken, rec. good
L	131464	131511		212	11F1$1	(1CD) 90/10
		107	1			Moderately soft, dolomitic, med green & tan-white, PS2-laminated metabasite. S2 surfaces are clotted pale apple green, dk green w/ local patches of light tan dolomite. Abundant med green chlorite occurs in very thin laminae separated by thicker dolomite-pale bands or laminae. Locally a relict diabasic texture defined by white-tan dolomite specks. Margins sharp parallel S2.
						Metabasite contains thin bands of moderately hard, light brown biotite-chlorite schist.

DDH 88FX-01

2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 19/88 Logged By: CVR/ICP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Bands are 6 inches thick lowest band contains small subrounded, med green
						chlorite clots (ie ICD metapelite) Core mod brken, rec good
L	1351 5	1374 4 (114 1)		23	1CD8	
						light green-brown, noncalcareous, chlorite > biotite ± andalusite, PS2-foliated
						schist Matrix consist of dominant pale green to locally med green chlorite +
						muscovite + quartz forming thin PS2-laminae Pale green, subrounded,
						chlorite clots occur dominantly in upper half of unit Chlorite clots appear to
						be replaced by biotite-andalusite clots in lower half of unit S2 surfaces
						are dominantly light shiny grey with abundant pale to medium green chlorite and
						lesser disseminated brown biotite
						TOI-357 mod brken along local fractures / 357-359.6 slightly brken, rec good /
						359.6-360.8, very brken w/ local minor incipient gouge parallel S2, rec good /
						360.8-EOI slightly brken, rec good
L	1374 4	1377 4 (115 0)		24	1F$	BIO (ICD 8) 65:35
						Very mixed unit consisting of interbanded, thinly laminated metabasite and light
						green-brown, clotted schist. Metabasite bands are moderately soft to hard
						and contain locally thick bands of medium green chlorite-quartz-minor dolomite
						and thinner brown biotite-dolomite bands Possibly the hard band contains
						hornblende Margins with clotted schist gradational over 1 inch parallel S2
						Clotted schist mod soft, noncalcareous. with abundant med green chlorite clots
						elongate parallel S2 Biotite-andalusite clots absent Schist intervals range 2 in-
						7 in thick
						Core slightly broken on S2, rec good

DDH 88FX-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 19/88 Logged By: KDR/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	131.717 4	131.815 3 117 4		1215	1/1C1D18	Clotted, pale to medium greens, med soft, noncalcareous, PS2-foliated, chlorite-muscovite-quartz-minor biotite schist. As go down unit, it becomes lighter green in colour. Contains abundant large, medium greens w/ local brown biotite clots up to 1.5 cm long. Bottom 3 feet of interval has less intense clotting. S2 surfaces are patchy light brown, pale greens, and silvery grey and become noticeably lighter near EOI. Last 3 feet contains abundant pyrite thin light tan grey, muscovite foliae defining S2 — ie. matrix consists dominantly of muscovite TOI - 388.5 intact / 388.5 - EOI very broken on local steep fractures parallel core axis. Rec OK
L	131.815 3	131.912 1 119 5		1216	1/1C1D18	BXA + GOUGE TOI - 387 very soft pale greens, incipient flaky mud gouge. Within gouge have incipiently brecciated light dull green chlorite schist fragments. Major fracture 20°/000 relative S2. Slickensides in gouge indicate strike slip. 387 - EOI highly (incipiently) fractured and brecciated, light to medium greens, thinly PS2-foliated, chloritic schist. S2 surfaces are dull greens grey. Dominant fractures are steep (<20° core axis). Fractures infilled w/ white quartz + trace calcite. Appears to be slight displacement along fractures. 388.6 - 389.5 highly fractured + broken qtz vein w/ abundant thinly laminated chlorite filling fractures. Bottom 1.5 feet steep fractures are incipiently gouged. Core very broken. Rec. good

DDH 88FX-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: OCT20/88 Logged By: CVR/LCP

Code	From	To	Recov.	No.	Unit	Description
L	1391.21	1403.5 (123.0)		1217	1F01	I$ MINOR I4 MINOR BIO (1CD8) 95:05
						TOI-394 and 395.2-395.7 are green to pale brown, soft, PS2-foliated, noncalcareous chlorite-muscovite-biotite schist. Unit characterized by locally abundant dark green, subrounded to irregular chlorite clots. Biotite disseminated in matrix (pale brown) and also forms dark brown biotite-andalusite bands and clots elongate parallel S2.
						Major unit is dark green, planar PS2-foliated, locally slightly dolomitic chlorite-hornblende schist. Contains thin bands parallel S2 which are dark brown from locally developed metamorphic biotite. Margins of unit are sharp parallel S2. Locally altered to pale tan with more extensively developed dolomite. S2 surfaces dark green with patchy biotite development.
						Core intact except for slightly broken 395.2-395.7. Recovery good.
L	1403.5	1411.0 (125.0)		1218	1CD1	(1F BIO $ MINOR) (10Q0) 40:30:30
						Major unit is moderately soft, greenish-brown, noncalcareous, PS2-foliated, biotite-chlorite-andalusite schist. Contains numerous subrounded dark green chlorite clots elongate in S2. Also has dark brown, irregular biotite-andalusite clots and bands. S2 surfaces are silvery brown.
						Interval contains interbands of moderately soft, locally slightly dolomitic, planar PS2-laminated, brown to tan biotite-chlorite schist. More consistently brown than green typically associated with metabasite. Two bands present in 2.5 and 0.3 feet thick locally (2 cm) Rim altered to light tan and more dolomitic. Margins sharp parallel S2.
						Thicker metabasite extensively fractured w/ steep qtz veins @ 15° core axis. Qtz veins also extensively fractured.
						Core mod broken, recovery good.

DDH 88FX-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	141/10 0	141315 / 132 6		1219	1/C1D10	[IDO] Moderately soft, PS2-foliated, grey-brown, noncalcareous, biotite-andalusite-chlorite-quartz schist. Minor irregular, scattered, dark green chlorite clots. Minor small biotite-andalusite aggregates. S2 surfaces are micaceous brown w/ slightly silvery grey tinge/sheen. No garnets noted. Only minor chlorite readily visible. Core intact - recovery good.
L	141315 1	141413 6 / 135 2		1310	1/C1D10	(IF O Bio) 75:25 Dominant unit essentially identical to last unit @ 29 (410 - 435.1). Dark grey-brown, PS2-foliated, noncalcareous, biotite-chlorite-andalusite-quartz schist. Dark green chlorite clots and dark brown biotite-andalusite aggregates are scattered irregularly through schist. S2 surfaces grey w/ brownish biotite tinge. Contains scattered interbands of moderately hard, noncalcareous, PS2-planar laminated, dark green chlorite-biotite-hornblende schist. Contains 1-3 cm thick brown biotite bands. Biotite bands and external marginal contacts sharp parallel S2. Metabasites range from 0.1 - 0.8 feet thick. Characterized by planar lamination and dark green colour (typically with slight bluish tinge). Core intact - recovery excellent.
L	141413 6	141519 5 / 140 1		1311	1/C1D1	→ ICD 4 minor. Moderately soft, noncalcareous, PS2-foliated biotite-chlorite-muscovite-andalusite-quartz schist. As go down DDH colour changes from grey brown to paler brownish grey and then back to grey brown. Change indicates slight increase in muscovite content. Contains scattered dark green chlorite clots and brown biotite-andalusite aggregates. S2 surfaces are shiny grey to silvery grey w/ brownish biotite tinge. TOI - 450 intact w/ good recovery / 450 - 454.5 mod. broken w/ good recovery / 454.5 - 455.5 gouge w/ qtz vein fragments, rec. good / 455.5 - EOI intact w/ good rec. No major faults.

DDH 88EX-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 20/88 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	141595	141810 9 146 6		1312	1 1 C D 10	(IF $) 70:30 Intervals 459.5 - 461.7, 469.1 - 470.2, 477.8 - 480.9 consist of medium to dark green, moderately soft, PS2 - foliated, moderately dolomitic calcitic schist. S2 surfaces are micaceous medium dark green. Contains thin, scattered, discontinuous, S2 stringers marked by greenish-grey dolomite-rich laminae. Marginal contacts gradual S2. Not really able to pick margin because of gradual fading in of biotite and extreme deformation of chlorite clots in enclosing schist. Enclosed by grey-brown, noncalcareous, PS2-foliated, biotite-muscovite-chlorite-andalusite schist. Dark green chlorite clots range from 1cm scattered subrounded clots, to much more abundant, fine (1-2mm) subrounded clots. Minor biotite-andalusite aggregates. Clots generally smaller and more flattened in S2 foliation adjacent to metabasites. Thin fine contact looks gradational. S2 surfaces silvery white w/ slight patchy brown biotite tinge. TDI-463 mod. broken, rec good / 463-EOI intact, rec good
L	141809	141817 5 148 6		1313	1 1 C D 10	→ (ICDH) 60:40 Moderately soft, PS2-foliated, noncalcareous, biotite-muscovite-chlorite-quartz schist. Upper 4' is dark grey-brown with scattered, irregular dark green chlorite clots. S2 surface silvery grey w/ slight brown biotite tinge. Gradual change as go down DDH to pale grey-brown schist. Chlorite clots are subrounded pale to medium green. S2 surfaces have silvery muscovite sheen. Core intact w/ good recovery. Alteration appears to be associated w/ next unit.

DDH 88FX-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	141817	141912 3 150 1		1314	1101QHH	(1CD4) 70:30 Greenish grey, extensively fractured, pegmatitic qtz veins. Vein contains numerous randomly oriented schist clasts. Also contains interstitial calcite infilling fractures. Fractures cut across both qtz vein and enclosing schist. Schist is noncalcareous, pale green-grey, moderately soft, muscovite-chlorite-biotite-andalusite schist. Minor relict biotite-andalusite clots. Faint brownish tinge from minor biotite in matrix. Vein has angle 180/10 relative to S2 and core axis. Core intact w/ good recovery.
L	141912 3	151016 6 154 4		1315	1 1C1D10	Moderately soft, noncalcareous, PS2-foliated, dark brown, biotite-chlorite-muscovite-andalusite-quartz schist. Chlorite forms large irregular to subrounded dark green clots elongate in S2. Minor dark brown biotite-andalusite compositional bands parallel S2 or irregular clots elongate in S2. S2 surfaces silvery w/ brownish biotite tinge. Uppermost 1 foot slightly altered to pale brown. Related to fractured qtz vein in immediately overlying unit. Schist contains a couple 1-3 cm dark green, moderately hard, slightly dolomitic hornblende-garnet-chlorite bands. Garnet as pale pinks, 1-2mm small irregular grains. Lower contact gradational into next unit. Core intact w/ good recovery.

DDH 88FX-01 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 20/88 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	151016	151183		1316	1ICID16	4
		158 0				Moderately soft, pale cream, noncalcareous, muscovite-biotite-andalusite schist. Matrix consists dominantly of muscovite although locally minor biotite is present. Contains irregular to rounded, elongate, dark brown biotite-andalusite lenses/clots. Locally these are extensively altered to a pale cream muscovite and only relict texture is present. S2 surfaces are silvery cream. Minor interstitial pyrrhotite infills fractures in pegmatitic white qtz veins. Upper and lower contacts are gradational. Core intact w/ good recovery.
L	151183	151518	0	1317	1ICID10	
		170 1				Moderately soft, noncalcareous, PS2-foliated, medium brown to gray-brown biotite-muscovite-chlorite-andalusite-quartz schist. Biotite and lesser chlorite disseminated in matrix with muscovite. Also have med green to dark green relict, subrounded chlorite clots elongate // S2-foliation. Overprinting chlorite clots are dark brown, irregular biotite-andalusite aggregates/clots. Minor quartz veins. In one locale they are extensively fractured. In another veins have pegmatitic pink andalusite associated w/ quartz. Upper contact gradational. Core intact w/ good recovery. S2 surfaces silvery to gray-silvery w/ slight brownish biotite tinge.
L	151518	151711	5	1318	1ICID16	4 → (ICD4) (1F4# Bio) 80:20: TRACE
		174 2				Top 0.6 feet consists of moderately soft, moderately calcareous, lt-green chlorite-calcite schist (i.e. altered metabasite). Biotite occurs as thin streaks parallel S2 locally forming bands up to 1cm thick. Margins sharp parallel S2.

DDH BBEX-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dominate unit consists of med soft, nonlaminated pale grey→ cream musc + bio + andalusite schist. Matrix is dominately musc w minor bio. Schist contains irregular bands + lenses of dark brown bio + andal up to 1 cm thick elongate // to S_2. Locally, bio-andalusite lenses are absent - all that remains are smaller sub-rounded pale green chl-clots. Minor peg vein qtz near EOI contains coarse pink andalusite. Alteration possibly associated w gouge as described below.
						TOI - 562.5 core is brecciated, very good
						562.5 - 563.1 med gouge - pale cream highly altered. Lower contact 000/65°, upper contact 000/25 very good
						563.1 - EOI med broken, very good
						S_2 surfaces silvery w faint patchy bio + dark green chl fingers.
	151711 5	151815 0		1319	11C1D10	
		178 3				med soft, nonlaminated, PS2 foliated, brown-green-grey, biotite musc + chl + andalusite schist. Minor scattered diffuse medium green chl lenses - equally minor irregular dark brown bio + andalusite bands + clots. Matrix contains dusty musc + chl + bio. S_2 surfaces silvery grey. Minor peg qtz veins have coarse pink andalusite. Both upper + lower contacts gradational.
						Core is broken, very good.

DDH 88FX-01
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 20/88 Logged By: LCR

Code	From	To	Recov.	No.	Unit	Description
1	10 – 14	16 – 20	22 – 24	26 – 28	30 – 34	35
	1585 0	1605 0 184 4		140	11CD0	2 (ICDO) 70:30 mod soft, noncalcareous, PS2 foliated, dark grey biotite + chl + andalusite schist. S2 surfaces are dark shiny grey. Contains scattered irregular bio + andal. clots elongate // to S2. Unit is mildly carbonaceous rather than strongly carbonaceous. Contains interbands of regular ICD. S2 surfaces silvery-grey. TOI-593.5 is mod broken, good recovery. 593.5-597.0 is ? broken, ? some incipient gouge. Core loss of 1'. 597.0-EOI m to ? broken recovery O.K. This may be the favourable horizon ??? unfortunately without an orebody !!!
	1605 0	1611 5 186 4		141	11CD0	8 (IFD) 65:35 Dominate unit is a mod soft, noncalcareous, green-brown PS2 foliated schist. Matrix contains chl + musc + minor bio. Scattered diffuse bands + clots consisting of biotite + andalusite + chlorite. Contains intervals up to 1' thick of noncalcareous planar PS2 laminated medium green soft chl schist. Margins of chl schist sharp // to S2. ICD S2 surfaces are green-silver-grey + contain plates / streaks of py. Core is mod broken - good recovery.
	1611 5	1624 0 190 2		142	11CD0	8 Same as #41 only does not contain metabasite

C.R.I. 1987 E-3A

DDH 88FX-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 20/88 Logged By: CCP

Code	From	To	Recov.	No.	Unit	Description
						interbands
						TOI - 615.0 c̄ broken very good.
						615.0 - 617.0 m̄ broken " "
						617.0 - 617.5 c̄ broken " "
						617.5 - EOI m̄ to c̄ broken very good.
	16240	16390 194.8		143	1CD4	± 68
						Most soft noncalcareous, pale cream - green musc + chl schist. Texturally one can see c̄ elongate relict clots which are now musc + minor chl. Locally relict clots are preserved as bio ∓ adal aggregates in fine grained mtx of musc. Near EOT alteration less intense. Bio + chl occur both in mtx + S2 // clots. Alteration appears to be associated c̄ incipiently developed fracture cleavage c̄ orientation at 000/35° Minor brecciation infilling fractures c̄ qtz + dol + minor py. Reg white vein qtz has associated pink andalusite. Core is mod broken, very good.
	163?0	16455 196.7		144	1F8	(1CD8) 60:40
						TOI - 642.5 soft, dolomitic, medium olive green, chl schist. Thinly banded between dark green chl + light green dolomitic bands up to 5mm thick S2 surfaces shiny olive green. Rest of interval is soft noncalcareous brown-green biotite - chl schist. Biotite + chl diss in mtx, locally abundant fine sub-rounded chl clots elongate // to S2.
						Core intact. Very good.

DDH 88FK-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	16145	16150		145	IIFI	I 4
		2027				Soft, slightly to mod dolomitic, PS2 foliated chl schist. Colour ranges in unaltered portions dark green to ū altered portions pale olive green. Unit is poorly CS2 foliated ū dark green chl stringers defining S2 + lighter coloured chl bands between these stripes. S2 surfaces are dark green chloritic ranging to pale olive green in altered intervals. Cleavage is through entire interval - No select texture.
						TOI - 657.0 intact
						657.0 - 659.0 m broken to ū broken very good.
						659.0 - EOI m broken, very good.
	16150	16711		146	IIC DB	
		2047				Mod soft PS2 foliated noncalcareous, pale green chl + musc schist. Locally contains small medium grained chl clots delineating pelitic origin. Locally faint brown tinge due to bio in mtx.
						Both contacts sharp, // to S2.
						Core is ū broken, very O.K
						At 667.5 there is 0.2' of incipient rubbled gouge, very O.K
	16711	16855		147	IIFI	minor
		2091				Dark green mod soft → hard PS2 laminated, slightly dolomitic chl schist. S2 surfaces dark microwavy green. Upper 3/4 of interval is fine grained. At bottom of interval more coarsely x-talline, ū poorly developed CS2 fabric ū dark green chl stringers separating dolomitic "microlithons".

DDH 88FX-01
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: OCT 20/88 Logged By: CCP

Code	From	To	Recov.	No.	Unit	Description
						Core intact - very good.
	1685.9	1693.8		148	1FH	$
		211.5				Soft, pale olive green, PS2 foliated chl + musc schist. Unit is
						dolomitic - dolomite diss throught mtx. Start of alteration at top
						that has is v rapid - ie within an inch - from 689 to 692
						extremely well developed conjugate bxa fracture set with chl +
						qtz infilling fractures. Also extremely soft bluish-green - pale
						turquoise mineral infilling fractures. In place? - or there as a
						result of drilling? Extreme alteration likely related to this
						fracture set. Fractures are 20° + 40° to core axis in opposite directions.
						Core is intact TOZ - 689.0
						689 - 692.0 Slightly → mod broken.
						692 - EOZ intact, very good
	1693.8	1719.0		149	1F$	
		219.2				Dark green, PS2 foliated, slightly dolomitic mod-soft → hard, chl
						schist. S2 are shiny micaceous dark green. Unit ranges from
						finely → medium Xtaline. Contains minor qtz - calcite veining.
						Core intact - very perfect.
	1719.0	1737.3		150	1CAB	
1		224.7				Mod soft, PS2 foliated, noncalcareous, chl + musc + bio schist.
						Overall colour pale green to pale brown-green w mtx
						consisting of diss chl musc ∓ bio. Abundant small 1-
						5mm lensoid chl clots constitute 30 - 40% of schist.

DDH 88FX-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
						TOI - 725.5 intact, recovery perfect
						725.5 - 726.5 w/ broken + rubbly, recovery O.K.
						726.5 - 733 intact recovery perfect
						733 - 734 rubble recovery O.K
						734 - EOT intact recovery perfect.
	1737 3	1747 0 227 7		51	1F$	(1CDO) 90:10
						Dominate unit w/ similar to unit # 49. Soft, slightly dolomitic, PS2 foliated dark green. Contains a 1' thick interval of dark brown, noncalcareous, ?-like schist in the center of the 1F$. S2 surfaces of 1F$ dark micaceous green.
						Core intact, recovery perfect.
	1747 0	1754 7 230 0		52	1F4$	"Zebra Rock"
						Soft, mod dolomitic CS2 foliated, medium olive green, dol-chl schist. Chl forms thin dark green laminae // to S2 w/ lighter dol rich interbands. Striping on order of 1cm thick. Minor intervals are PS2 foliated.
						TOI - 750 Intact. } Recovery Perfect.
						750 - 751.5 Intermittently gouged }
						751.5 - EOT Intact }
1	1754 7	1760 0 231 6		53	1F$	± B/O
						Similar to # 51 (737.0 - 747.0). Soft, dark green, slightly dolomitic contains diffuse brown bands // to S2 which are green-brown w/ metamorphic biotite.

DDH 88FX-01

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
						Core intact, very perfect
	760.0	771.0 / 235.0		514	11FH1$	"Leopard Rock"
						Soft, dolomitic, pale olive-cream, chl-dol schist. CS2 foliated in thin dark green chl laminae + 1cm thick tan-cream dol rich interbands. Contains spots + streaks of bright blue-green "fuchsite". As go down interval chl becomes progressively grey from green chl → musc. S2 surfaces silvery.
						761-763.0 is broken
						762-764.0 intact.
						764-766.0 is broken in local rubbly stretches.
						766-769 intact
						769-EOT is broken very good.
						Unit is progressively more altered moving down the drill-hole.
	771.0	781.5 / 238.2		515	11CA4	
						Soft, noncalcareous, cream, musc+qtz schist. S2 surfaces pale silvery-cream. Unit is PS2 foliated. Texturally, one can see relict tensional clots which now consist mostly of musc. Unit extremely muscovite rich.
						Core is broken in rubble sections + incipient gouge. Recovery is reasonable. Cannot see major fault although may be related to faulting.

DDH 88-FX-01 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: OCT 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1718 11	1813 19 0		15 16	1 1 C D 16	4
		255 7				Soft. noncalcareous, pale grey micro + bio + andalusite + minor chl schist. Mtx consists dominantly of musc ± minor chl, bio + chl forming large irregular bio + andalusite clots + bands elongate // to Sz. Locally contains minor pale green chl lenses / veinlets. Proportion of clots varies from 5 to 40%.
						TOI - 783.0 in broken ± minor incipient gouge - very good
						783.0 - EOT intact, very good
	18 13 17 0	18 15 18 7		15 17	1 1 C D 14	7 BXA
		261 7				Similar to #55 771.0 → 781.5. Relict bio + andalusite clots are now muscovite in muscovite schist. Minor qtz veins - opaque white ± coarse pink andalusite. Locally, soft intervals of incipient to well developed breccia apparently along steep fractures. BXA includes clast of schist + qtz vein material in a flaky almost gouge mtx.
						TOI - 842.0 Intact, good very
						842.0 - 850.5 Breccia + Gouge core is competent, only moved broken. Top contact slightly steeper than Sz 000/50°
						Bottom contact lost in rubble
						Internal fabric appears to be slightly steeper than Sz
						850.5 - 855.5 in broken. very good.
						855.5 - 857.0 incipiently brecciated, only slightly moved fractures 180/45° core in broken. very good.
						857 - EOI core intact, very is good.
						Likely not a significant fault.

DDH 88FX-01
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	181518	191013 5		1518	1/1C1D16	4 (1CD4) 75:25
		275 4				Soft, noncalcareous, pale cream grey musc-schist. Contains 1cm to 3cm thick irregular bio + andalusite clots // to S2. Locally these clots are altered to musc for 1' to 5' intervals. S2 surfaces are silvery-cream. At 894.0, 0.2 inch thick band of pale highly altered olive "metabasite" (similar to 5D4) Upper + lower contacts gradational. This interval displays an intermediate degree of alteration. Core intact. Recov Perfect.
	191013 5	191117 5		1519	1/1C1D16	4minor
		279 7				Mod soft, PS2 foliated, musc + bio + chl + andalusite schist. Overall colour pale green-brown caused by disc bio + chl in musc mtx. Biotite rich mtx typically forms diffuse bands several cm thick // to S2. Contains irregular bio + chl + ~~andalusite~~ clots up to 2cm thick // to S2. Not as strongly altered as analysis 1CD64 because it still contains mtx biotite - but it is definately altered. Minor pcj white qtz occurs as thin lenses // to S2. Core intact, recov good.
	191117 5	191217 0		1610	1/1C1D16	4
1		282 5				Soft, PS2 foliated, noncalcareous, musc + chl + qtz schist. Contains minor irregular bio + andalusite bands & clots. Overall colour greenish-cream w dark brown mots. Locally bio + andalus clots altered to musc + chl.

DDH 88FX-01

CURRAGH RESOURCES INC.
Lithologic Log

Date: OCT 20/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
						S_2 surfaces are silvery - cream
						→? → 926.0 Intact, very good.
						926.0 - 927.0 in broken, locally incipiently fractured, very good.
	927.0	932.0 (284.1)		161	1F4	± Bx'a
						Mod soft, PS_2 foliated, pale cream, musc + qtz schist.
						Contains thin streaks + laminae of bright green "fuchsite".
						928.0 - 930.5 is a coherent bx'a, consisting of clasts -
						dominantly of opaque white vein qtz in a musc - "fuchsite"
						schistose mtx. S_2 is steeper than higher up unit. Fractures
						in breccia are nearly // to core axis. Again - strong
						alteration overprint - fact that altered metabasite on either
						side of bx'a suggests that it is likely not significant.
						928.5 mod broken
						929.2 rubble + incipient gouge } Recy O.K
						EOI in broken
	932.0	944.0 (287.7)		162	1CD4	
						Pale cream - mod soft noncalcareous, musc + qtz schist.
						S_2 surfaces are silver - cream. Within schistose musc mtx
						there are relict traces typically of chlor. musc +
						locally in lesser bio + andal. that classifies this
						unit as a highly altered pelite. No bright green
						"fuchsite" spots noted. Lower contact gradational. Upper
						contact marked by disappearance of bright green +
						appearance of bio + andal. chlts.

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
						TOI - 933.0 Intact
						933.0 - 937.0 broken → rubbly 7 incipiently gouges + bxa
						esp qtz vein material along steep fractures.
						937.0 - EOI mod broken
						Recy good For entire interval.
	1944 0	1984 1 (300 0)		163	1CD6	4
						Similar to # 58 (858.7 → 903.5) mod soft, PS2 foliated
						pale cream musc + chl schist. Contains numerous thin bands +
						irregular clots of bio + andal. Locally contains medium green
						chl clots which sometimes appear to be earlier than bio +
						andalusite + sometimes appear to be retrograde bio + andalusite.
						Proportion of bio ranges from 10% to 40% through the
						interval. Locally some bio occurs in mtx. S2 surfaces are
						silvery - cream w locally developed patchy brown biotite.
						Core is intact. Recy is good.
						1' of sand / mud at 977, was removed as cave
	1984 1	1996 0 (303 6)		164	1CD0	→ 1CO
						Upper contact gradational. Noncalcareous, mod hard, PS2
						foliated bio + musc + qtz + andal schist. Mtx consists of
						bio + musc. Thickly banded between dark brown bio
						rich & brownish grey musc - rich intervals. Bio + andalusite
						tends to form bands instead clots because of extensive
						growth. S2 surfaces silver - brown. Biotite ↑ moving
						down interval. Contains minor thin peg qtz veins.

Core intact. Recy GOOD. — EOH —

PROJECT 88FX-01 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ INCLINATION _____ ELEVATION Oct 20 88

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

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 DEP: DEPTH	BEDDING DEP: ANGLE	BEDDING JOINTS: NO.	BEDDING JOINTS: FREQ.	CROSS JOINTS: NO.	CROSS JOINTS: FREQ.	COMMENTS
										Depth		Rec	RQD				Depth Rec RQD
16.5		7.8		0						204		11.1	1.9				447 9.9 9.0
22		5.5		0						214		10.7	2.7				455½ 8.2 2.1
26		8.0		0						224		10.8	7.1				463 7.8 3.9
32.5		4.4		0						235		10.3	3.7				467 4.1 .8
37		5.5		0						245½		11.1	4.7				477 10.3 7.5
42		5.5		0						255		11.2	4.7				487 10.3 7.8
47		2.6		0						266		10.4	4.0				495 9.0 4.2
57		9.2		1.6						276½		11.5	4.5				505 10.3 8.7
59		1.7								286½		10.6	7.4				516 10.9 7.2
69		8.0		1.8						296½		11.0	5.4				526½ 10.5 8.2
77		10.3		5.6						307		11.0	3.9				537 10.9 7.2
87		10.5		4.0						317		10.9	6.3				547 10.8 9.0
88		.9								327		11.3	3.9				557 10.4 8.3
97		9.5		5.6						337		10.1	5.2				567 10.5 6.6
99		2.4		1.1						347		10.3	7.4				577 10.2 3.8
107		8.5		1.1						357		10.3	1.7				586 10.5 3.5
117		11.3		2.2						367		10.7	4.8				596 9.0 .8
127		10.6		5.4						377		10.3	9.0				602 6.0
137		10.9		7.0						387		10.3	6.5				612 11.1 3.7
147		10.5		6.8						394		7.1	2.1				617 6.2 1.6
157		10.4		7.3						403		8.5	6.5				624 5.2 .8
167		10.8		8.7						407		4.9	3.8				627 2.8 1.8
177		6.8		3.4						417		10.5	9.2				637 10.5 3.8
187		11.7		4.5						427		10.2	9.5				647 10.7 5.6
193½		7.0		.7						437		10.2	8.6				cont. on pg 2

Fig. 1. Typical rock mechanics core log.

PROJECT 88 FX-01 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ INCLINATION _____ ELEVATION Oct 20 88

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (ft)	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 DEP DEPTH	BEDDING DEP ANGLE	BEDDING JOINTS NO.	BEDDING JOINTS FREQ.	CROSS JOINTS NO.	CROSS JOINTS FREQ.	COMMENTS
657		9.9		8.9						887		10.4		8.0			
664		7.1		2.1						897		10.1		8.8			
671		7.7		2.0						907		10.5		7.1			
677		6.1		4.8						917		10.1		9.0			
687		10.4		9.6						927		10.3		7.1			
697		10.3		8.1						936.5		10.5		2.5			
707		10.4		7.0						947		11.4		4.8			
717		10.3		9.2						957		10.3		3.6			
727		10.4		8.1						967		11.1		7.0			
737		11.1		7.0						977		10.1		7.7			
747		9.5		8.3						986		10.5		6.8			
757		10.3		9.2						996		10.4		10.4			
767		11.0		6.0													
775½		8.9		3.2													
778		2.9		0													
787		9.4		5.0													
797		10.4		8.5													
807		10.7		7.4													
817		10.0		8.2													
837		10.3		8.5													
847		10.5		4.9													
850.5		3.3		0													
857		6.6		2.8													
867		10.5		8.3													
877		10.3		7.1													

EOH

Fig. 1. Typical rock mechanics core log.

DDH 88FX-01 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: OCT 20/88 Logged By: CUR/LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		6.2 1210 5	P1S12				810	micaceous foliation
S		12.3 1410 5	P1S12				718	micaceous foliation
S		19.1 1612 5	P1S12				612	biotite foliation
S		23.8 1718 2	P1S12				710	micaceous foliation
S		29.6 1917 0	P1S12				619	micaceous foliation
S		36.3 1119 0	P1S12				618	micaceous foliation
S		40.1 1131 5	P1S12				71	carbonaceous foliation
S		46.0 1151 0	P1S12				613	carbonaceous folia
S		55.5 1182 0	P1S12				712	micaceous foliation
S		59.4 1191 5 0	P1S12				712	chlorite banding
S		64.0 1211 0 0	P1S12				717	dolomite banding
S		69.8 1219 0	P1S12				713	micaceous foliation
S		75.3 1217 0	P1S12				710	micaceous foliation
S		81.4 1216 7 0	P1S12				716	chlorite banding
S		86.9 1218 5 0	P1S12				715	micaceous foliation
S		92.4 1310 3 0	P1S12				513	biotite folia
S		98.8 1312 4 0	P1S12				714	micaceous foliation
S		103.3 1313 9 0	P1S12				714	biotite folia
S		109.4 1315 9 0	P1S12				810	micaceous foliation
S		114.6 1317 6 0	P1S12				710	biotite banding
S		120.5 1319 5 5	P1S12				810	micaceous foliation
S		126.8 1411 6 0	P1S12				710	micaceous foliation
S		132.6 1413 5 0	P1S12				619	biotite banding in IF
S		138.1 1415 1 3 0	P1S12				716	micaceous foliation
S		144.3 1417 1 3 5	P1S12				618	micaceous foliation
S		151.2 1419 1 6 0	P1S12				618	micaceous foliation
S		155.4 1511 1 0 0	P1S12				712	micaceous foliation
S		162.2 1513 1 2 0	P1S12				616	biotite folia
S		167.0 1514 1 8 0	P1S12				715	micaceous foliation
S		175.6 1516 1 7 0	P1S12				613	micaceous foliation
S		178.6 1518 1 6 0	P1S12				710	micaceous foliation
S		185.0 1610 1 7 0	P1S12				615	micaceous foliation
S		190.8 1612 1 6 0	P1S12				510	micaceous foliation
$					310 010 10			late fracture cleavage
S		192.6 1613 1 2	P1S12				710	micaceous foliation
S		197.2 1614 1 7	P1S12				618	Approaching CS2 ch1 foliation

DDH BBFX-01 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: OCT 30/88 Logged By: LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		201.8 16 16 12 O	P 1 S 1 2				7 10	chl foliation
S		208.8 16 18 15 O	P 1 S 1 2				7 13	approaching cgz / chl laminae
S		215.5 17 10 17 O	P 1 S 1 2				7 13	chl laminae
S		214.8 17 12 11 O	P 1 S 1 2				5 15	micaceous foliation
S		224.6 17 13 17 O	P 1 S 1 2		3 18 010 10		6 15	micaceous foliation
S		226.2 17 14 12 O	C 1 S 1 2			7 15 019 10	7 18	chl laminae in metasilt
S		236.5 17 17 16 O	P 1 S 1 2				6 13	micaceous foliation
S		241.7 17 19 18 O	P 1 S 1 2				8 10	micaceous foliation
S		249.0 18 1 17 O	P 1 S 1 2				6 15	micaceous foliation
S		255.0 18 3 16 S	P 1 S 1 2				6 15	micaceous foliation
S		259.4 18 5 11 O	P 1 S 1 2				7 10	micaceous foliation,
S					2 10 010 10			→ later incipient fracture cleavage.
S		265.8 18 7 12 O	P 1 S 1 2				7 P	micaceous foliation
S		271.9 18 9 12 O	P 1 S 1 2				7 15	micaceous foliation
S					5 15 010 10			→ incipient crenulation cleavage
S		278.0 19 1 12 O	P 1 S 1 2				6 15	micaceous foliation
S		281.0 19 2 12 O	P 1 S 1 2				5 15	micaceous foliation
S		282.5 19 2 17	P 1 S 1 2				2 15	micaceous foliation
S		286.8 19 4 11 O	P 1 S 1 2				5 10	micaceous foliation
S		288.6 19 4 17	P 1 S 1 2				6 15	micaceous foliation
S		292.9 19 6 11	P 1 S 1 2	M			6 10	fold nose - PS_2 micaceous foliation
S		249.9 19 8 H O	P 1 S 1 2				6 15	micaceous foliation
S		303.3 19 9 15 O	P 1 S 1 2			2 10 010 10	6 10	S_2 micaceous foliation - S_1 compositional banding
		EOH						

Oct 8/1988

Proposed drill hole 88FX-01

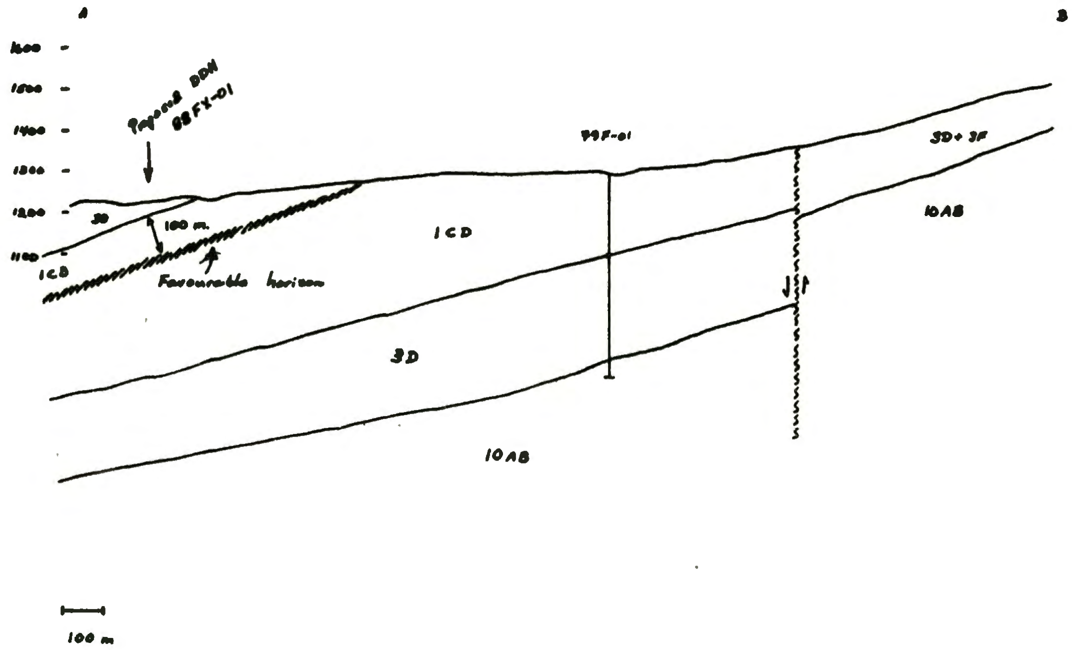
Collared in 3D calc-silicates just above the ICD schists.
location chosen because

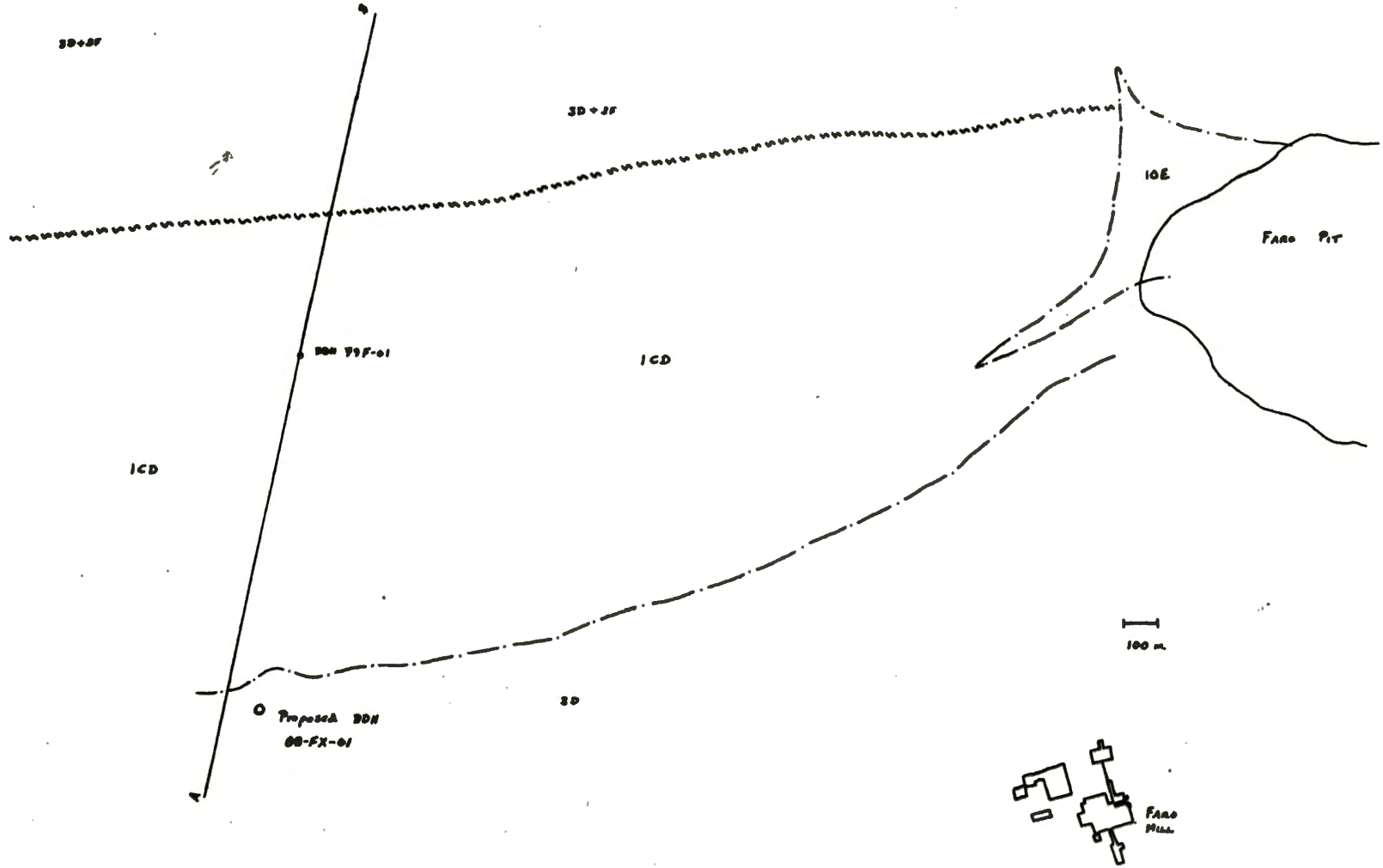
1.- contact between ICD and 3D is exposed
2.- this contact includes 3A transitional lithologies indicating it is a conformable contact.
3- from this location assessment work can be applied to HECK and TSS claims which are due in March, 1989.

Target is the first 150 ~~feet~~ meters of ICD schist beneath the 3D Calc-Silicate. This corresponds to the Faro Minesite mineralization. Results from DDH 79F-01 indicates granite (10+B) should not be a problem.

Major mitigating concerns

1.- Collar location is SW of favourable curvilinear trend of deposits
2- No strong soil geochemical anomalies.


A
B
1600
1500
1400
1300
1200
1100
88FX-01
79F-01
3D+3F
1CD
10AB
100 m.
Favourable horizon
1CD
3D
10AB
100 m


3D+3F
3D+3F
10E
FARO PIT
DDH 79F-01
ICD
ICD
100 m.
3D
Proposed DDH
88-FX-01
FARO MILL

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89FX-01A

Reference Fabric Orientation Diagram:

Project: FARO NORTHWEST -1989

Location: _____

Claim: _____

~~Terr.Plane~~ UTM Co-ords.: 6,915,610.1 N

581,350.9 E

Grid Co-ords: _____

Elevation: 1259m

All symmetry determinations looking

Total Depth: 2007 feet

_____ with _____ dipping

Inclination: -90° VERTICAL

_____ with dip azimuth _____.

Purpose: Deepens 88FX-01 for structure + geophysics

Reason hole Terminated: Drilled to target depth in IOF

Logged by: LCP

Date(s) Logged: SEPT 17-23, 1989

Drilling Contractor: ARCTIC

Size	CORE From	To
NQ	994	2007 feet

Collar Cased and Capped: Yes

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 10/89 Completed: Aug 19/89

White pipe down hole for geophysics

CURRAGH RESOURCES INC.

Diamond Drill Core Log

Date: _____ Logged By: _____

DDH 89EX-01A

FEET

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

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R		301.4 / 9/8/89	-74.0	042.0	ATCOLLAR
R		362.4 / 11/8/89	-73.0	047.0	
R		423.4 / 13/8/89	-71.0	052.0	
R		484.3 / 15/8/89	-70.0	056.0	
R		545.3 / 17/8/89	-69.0	219.0	
R		606.2 / 19/8/89	-72.0	350.0	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Difference in platform height for Drill

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56
		BOTTOM AT 994 FEET

DDH 88FX-01A (2 8 FEET)

CURRAGH RESOURCES INC.

Lithologic Log

Date: ~~Sept 20/87~~ Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10.0	991.4		1	#	Drilled in 1988 @ 88FX-01
						Interval 991 - 994.0 consists of grey mud and goo from the bottom of the DDH
	991.4	1001.3 (305) 96		2	1C1D01	
						Moderately hard, noncalcareous, PS2-foliated, medium brown, biotite-anthalusite-quartz-garnet-staurolite-muscovite schist. Matrix colour is fine medium brown. Staurolite occurs as tiny honey brown grains. Contains compositional bands and lenses of dark brown biotite-frosty white anthalusite aggregates. Aggregates and bands are parallel S2. Garnet occurs only very locally. S2 surfaces are shiny dark brown.
						Weak S3 crenulations close marked by discontinuous pale tan muscovite streaks and laminae. These are papery thin and commonly less than 1cm in length. Locally late x-cutting fractures are discontinuously infilled w/ fine quartz. Fine thin alterations halos adjacent to fractures contain muscovite, chlorite, tourmaline (?) Some D3 chevron-shaped minor folds are present in core.
						Core slightly broken w/ good recovery. Down to 997 feet shows some washwilling as have re-entered old hole w/ attendant problems".
	1001.3 6	1013.10 (313) 90		3	1C1D16	H (1CD0) 60:40
						Interbanding of moderately altered and unaltered biotite-anthalusite-muscovite-quartz schist on a scale of 10's of cm to meters. Variations are gradational.
						Altered schist (1CD64) consists of pale tan muscovite-quartz-schist w/ dark brown biotite-anthalusite compositional bands and lenses. S2 surfaces are silvery white again with the dark brown spots. Dark brown lenses are elongate in S2. Moderately soft, noncalcareous
						U. Unaltered schist identical to schist described above for Unit # 2 (994 - 1003.6) S2 surfaces are silvery brown to dark brown. Major difference from altered schist is

DDH 89-EX-011A
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 20/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						that matrix is medium brown from abundant fine disseminated biotite. Fine scutting fractures have thin chlorite selvages locally. Thin fractures are discontinuously infilled by fine pyrite.
						Some pegmatitic white quartz veins. Qtz veins from minor coarse, pale pink andalusite.
						Core slightly broken w/ excellent recovery.
	110130	314 110131	2 0	14	11 F1$1	
						Moderately hard, slightly calcareous, PS2-foliated, medium pale green, chloritic schist. Minor thin discontinuous striping w/ dark green stripes parallel S2. Unit extensively altered adjacent to scutting fracture - veinlet. Lower 2/3's of unit may actually be very chloritic, retrograded metapelite. Looks to have banded texture more typical of fresh andalusite-biotite bands.
						Core intact w/ good recovery.
	110131	343 111215	3	15	11C1D101	± 4
						Moderately hard, medium dark brown, noncalcareous schist. Biotite-muscovite-andalusite-quartz ± garnet ± staurolite. Thickly banded w/ interbanding of coarse grained micaceous intervals and fine-grained gneiss intervals. Micaceous intervals characterized by thin gneiss bands and laminae. Also characterized by dark brown lenses and bands of fresh biotite-andalusite aggregates/clots. S2 surfaces are dark purplish brown. Locally schists also have bluish green chlorite clots as well as fresh biotite-andalusite clots - suggests an earlier retrograded metamorphic porphyroblast growth.
						Very locally schist is slightly altered. One type is by appearance of abundant muscovite in matrix and dark brown biotite-andalusite aggregates. Another type is

DDH B.9.F.X.-0.1.4 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						by retrograding of metamorphic assemblage to green chlorite. Results in an overall green hue to the schist.
						Core slightly broken w/ good recovery
						Lower contact to next unit is gradational.
	111215	344 1 / 111219 0		16	1C1D101	4 MINOR
						Moderately soft, noncalcareous, dark brown to greenish brown, biotite-andalusite-quartz-muscovite schist. S2 surfaces are purplish brown. Distinguished from previous unit largely by lack of compositional banding - i.e. lacks the thin more chloritic bands. Instead have uniform biotite brown w/ some andalusite clusters. Near EOI have some muscovite-rich matrix which is pale tan containing dark brown biotite-andalusite aggregates. Also have thin chlorite-muscovite selvages around thin, late, recutting calcite-pyrite fractures.
						Upper contact gradational lower contact sharp.
	111219	344 6 / 111310 5		17	11F131	B10
						Moderately soft to soft, PS2-foliated, slightly calcareous, bluish green and brown striped unit. Bluish greens consists of amphibolite - fine grained hornblende. Contains irregular sheaths and bands of brown biotite. For bottom ½ of unit biotite is essentially 100% of unit. Calcite remobilized in matrix as thin, diffuse, compositional bands parallel S2. Extensive biotite development possibly/probably related to extensive fluids moving through base of next unit.
						Core slightly broken w/ excellent recovery

DDH B.9.F.X.-01A
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	111310 5	345 5 / 111313 6		18	1 1C 1 1 3	BXA
						Hard, PS2-foliated, brownish to greenish brown, slightly calcareous qtzite. Qtzite thinly banded w/ thin biotite laminae. Intensely fractured and brecciated w/ abundant quartz and minor calcite infilling fractures. Clasts have S2 fabric and are randomly oriented within the bxa. As go down DDH, bxa changes to thin late resulting fractures w/ chlorite selvage. Some displacement has occurred on the fractures.
						Core slightly broken to intact w/ excellent recovery.
	111313 6	347 4 / 111319 9		19	11C101	
						Moderately hard to hard, noncalcareous, thinly banded qtzite to gneiss schist. Biotite-quartz-garnet ± andalusite ± muscovite. S2 surfaces are micaceous pale cream and greyish brown. Garnet as thin pale pink lenses up to 3mm elongate in S2. Coarse pink andalusite present in pegmatitic qtz veins. Minor small biotite-andalusite aggregates in micaceous portions of schist. Banding between gneiss and biotitic portions of schist on a scale of 1-5 mm.
						Core slightly broken w/ excellent recovery.
	111319 9	349 0 / 111415 1		110	11C1D1614	"CALC-SILICATE"
						Moderately soft, noncalcareous, PS2-foliated, muscovite-quartz-biotite-andalusite-garnet schist. Matrix contains abundant muscovite-ranges from pale beige to pale brown. S2 surfaces are silvery white w/ dark brown biotite spots and streaks. Biotite-andalusite forms dark brown compositional bands and lenses within beige muscovite-rich matrix.
						Contains 10cm intervals which are hard, pale green to dark green, fine-grained, hornblende-qtz-garnet qtzite. Marginal contacts of calc-silicate bearing intervals are

DDH 89FX-01A (2–8)

CURRAGH RESOURCES INC.
Lithologic Log

Page 7

Date: Sept 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
						gradational / diffuse over a short interval.
						Core intact to slightly broken w/ excellent recovery
	11415 1	11613 0 (354.5)		11	1CD01	"CALC-SILICATE"
						Moderately soft to moderately hard, noncalcareous, thinly banded, PS2-foliated, medium dark brown schist. S2 surfaces are mottled purplish brown. Metamorphic assemblage is biotite-andalusite-muscovite-quartz-garnet-staurolite. Biotite-andalusite forms compositional bands and lenses elongate within S2. S1 delineated by alternating qtzose and micaceous intervals on a scale up to 1cm in thickness.
						Contains minor thin, dark green qtz-hornblende-garnet intervals. Fine-grained, locally slightly calcareous. These thin calc-silicate intervals are up to 10cm thick. and constitute less than 5% of the interval
						Core slightly broken w/ excellent recovery
	11613 0	11619 2 (356.4)		12	1F01	± B10
						Hard, noncalcareous, PS2-foliated, dark green amphibolite. S2 surfaces are medium dark green, w/ fine fibrous aspect. Contains minor thin biotite streaks parallel S2 locally, especially near top of interval. Overall a very homogeneous unit w/ sharp marginal contacts. Minor fine pyrite infilling late xcutting fractures.
	11619 2	11717 8 (359.0)		13	1C01	[1CD0]
						Moderately soft, noncalcareous, brown, thinly banded, biotite-muscovite-quartz-andalusite-garnet schist. Banding between qtzose & micaceous intervals on a scale up to 3cm. S2 surfaces are micaceous brown. Andalusite disseminated through biotitic/micaceous areas. Upper ½ of unit also has small dark green chlorite lenses – retrograded porphyroblasts?

DDH 89FX-01A
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 8

Date: Sept 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Marginal contacts w/ adjacent units are sharp, parallel S2. Core slightly broken with excellent recovery.
	111778	111816 (361 / 5)		114	11F01	BIO
						Hard, dark green, PS2-foliated, noncalcareous amphibolite. Homogeneous. Biotite occurs as thin streaks parallel S2. Biotite also forms selvages to locally slightly calcareous, late xcutting fractures. Fractures infilled w/ chlorite-pyrrhotite core and thin pyrite rim. S2 surfaces are dark green. Core slightly broken w/ excellent recovery.
	111816	112112 (369 / 5)		115	11C01	
						Moderately hard, PS2-foliated, thinly banded, noncalcareous, biotite-muscovite-quartz-andalusite-garnet schist. Andalusite evenly disseminated throughout as fine grains in micaceous bands. Banding on scale of < 3cm between pale grey qtz-ite and brown biotite-muscovite. Only minor scattered garnet. Core intact to slightly broken w/ excellent recovery.
	112124	112170 (370 / 9)		116	11F01	BIO (ICO) MINOR
						Hard, PS2-foliated, noncalcareous, dark green amphibolite. S2 surfaces are fibrous dark green. Biotite occurs as thin streaks parallel S2 foliation. Minor thin xcutting fractures infilled w/ calcite-pyrite. Contains 1 thin interband of ICO (about 10cm) near top of unit. Core slightly broken w/ excellent recovery. Marginal contacts are sharp parallel S2.

DDH 89FX-01A
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 9

Date: Sept 21/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	12117 0	12616 3 (386 0)		117	1C01	"CALC-SILICATE" (MINOR) Moderately hard, PS2-foliated, noncalcareous, brown biotite-muscovite-quartz-andalusite-garnet schist. S2 surfaces are mottled, micaceous brown and silvery white. Andalusite evenly disseminated w/ biotite in aggregates throughout the micaceous bands. Thinly banded on a 1cm scale between micaceous and qtzose intervals. Interval 1232-1236 contains 5-10 cm calc-silicate bands. Hard, slightly calcareous, qtz-hornblende-garnet-calcite. Colour is pale green. Similar to calc-silicate bands noted in phyllite/schist on Firebreak Road. Core slightly broken - recovery excellent. Pegmatitic white qtz pods/veins contain coarse pink andalusite.
	12616 3	12917 0 (395 3)		118	1F01	I3 MINOR BIO Dark green, homogeneous, moderately hard amphibolite. S2 surfaces are fibrous dark green. Contains thin, discontinuous biotite streaks. Biotite best developed as selvage around pegmatitic white quartz vein, which cuts through unit. Unit locally slightly calcareous near TOI. Major foliation is at shallow angle to core axis. Biotite streaks parallel to this foliation. Orientation suggests it is PS1 rather than PS2. Marginal contacts are sharp.
	12917 0	13164 9 (416 0)		119	1C01	Noncalcareous, moderately hard, poorly CS2-foliated, dark brown, thinly banded biotite-muscovite-quartz-andalusite-garnet schist. S2 surfaces are micaceous silvery white and dark brown. Andalusite associated with biotite in small clusters and aggregates. Thin banding on 1cm scale between grey qtzose bands and dark brown micaceous bands.

DDH BG-EX-01A

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 21/89 Logged By: LCF

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		131614 9		119		This banding defines small chevron folds in core w/ sharp, narrow beige zone. Some pegmatitic white bull qtz veins with coarse, pink andalusite. Core slightly broken w/ excellent recovery.
	131614 9	131816 2 (4225)		120	1C1D1614	(1D4) 95.05 Moderately soft, PS2-foliated, noncalcareous, beige schist. Muscovite-biotite-andalusite-quartz. Matrix is pale beige muscovite with elongate lenses and compositional bands of dark brown biotite-andalusite. Dark brown aggregates parallel S2. Proportion of dark brown varies from 0-70%. Minor pale to medium green chlorite aggregates present locally. S2 surfaces silvery beige with local dark brown biotite spots and streaks. Altered schist. Alteration associated with gouge developed within this unit. TOI-1376 slightly broken w/ good recovery // 1376-1381.4 very broken with less than perfect recovery - 1377-1381.5 has only 3.3 feet core // 1381.5-1382.5 mud gouge, recovery OK. upper and lower contacts appear parallel S2. // 1382.5-EOI moderately broken with good recovery
	131816 2	141143 (4311)		121	1C101	CALC-SILICATE (1F0) MINOR Thinly banded, dark brown, noncalcareous, PS2-foliated, biotite-muscovite-andalusite-garnet-quartz schist. S2 surfaces are generally micaceous brown. Moderately hard-alternating 1cm or less bands of gray gneiss and dark brown schist. Locally banding forms tight chevron style folds with S2 being axial planes. Contains minor thin, fine-grained, hard, pale blueish green quartzite with scattered pink garnet. Represents thin calc-silicate bands. Also locally contains minor dark green hornblende amphibolite. Both lithologies are less than 15 cm thick. Minor thin calcite in late cutting fractures. Core slightly broken to intact w/ excellent recovery. Quartzite bands and laminae

DDH 89-EX-01A

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 22/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						have fine-grained, frosty aspect typical for highly strained, mylonitic rocks.
	114114 3	431 114117 9		1212	11F101	BIO
						Moderately hard, dark green, non-calcareous, homogeneous amphibolite. Contains thin dark brown, discontinuous biotite streaks. Streaking and schistosity define D2 fold — therefore they are S1. Marginal contacts sharp parallel S1.
						Core slightly broken w/ good recovery.
	114117 1	434 114216 6 0		1213	11C101	
						Thinly banded, dark brown, poorly CS2-foliated, non-calcareous schist. Biotite-andalusite-muscovite-quartz-garnet. S2 surfaces are micaceous biotite brown. Banding between pelite and quartz on scale 1cm or less. Discontinuous grey quartz bands define D2 microfolds which have planar limbs and sharp angular hinges. S2 axial planar to the folds.
						Core slightly broken with excellent recovery.
	114216 0	435 114218 3 2		1214	11C1D614	
						Non-calcareous, pale beige, PS2- to poorly CS2-foliated muscovite-quartz-garnet-biotite-andalusite schist. Matrix pale beige muscovite-quartz with dark brown aggregates and bands of biotite-andalusite. S2 surfaces pale beige w/ dark brown streaks. Moderately soft. Altered schist — no apparent reason for alteration — shortness of interval suggests may be related to off-hole feature.
						Core slightly broken with excellent recovery

DDH BGEX-01LA

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 22/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	114218 2	442 8 / 114512 9		1215	1C101	
						Moderately hard, PS2-foliated, noncalcareous, thinly banded biotite-muscovite-andalusite-garnet-quartz schist. S2 surfaces are dark micaceous brown. Banding between quartzite and pelite on a scale of 1cm or less. Andalusite as small subrounded grains associated with biotite. Compositional banding generally parallel S2 although locally it defines small D2 folds.
						Core slightly broken with excellent recovery.
	114512 9	443 6 / 114515 3		1216	1C1D1614	
						Noncalcareous, PS2-foliated, thinly banded, pale beige, muscovite-quartz-biotite-Al_2SiO_5 schist. S2 surfaces are silvery cream with local dark brown biotite aggregates.
						Biotite associated with pale Al_2SiO_5 which may be fibrolite.
						Altered schist apparently related to 5cm, S2 parallel gouge at 1454.6 feet. Margins of unit gradational with decrease in matrix muscovite. Core mod. broken w/ good recovery.
	114515 3	453 2 / 114816 9		1217	1C101	I 4 MINOR
						Noncalcareous, poorly CS2-foliated to PS2-foliated, dark brown, moderately hard, thinly banded schist. Banding on scale < 1cm of gray pelite and brown pelite. S2 surfaces are silvery gray to silvery brown. Metamorphic assemblage biotite-muscovite-garnet-quartz-andalusite (?) / fibrolite (?). Compositional banding generally parallel S2 although locally it defines tight, angular-hinged, chevron style folds. Locally muscovite in matrix becomes more abundant as schist is slightly altered.
						Core slightly broken with excellent recovery.

DDH BgEX-01A

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 22/87 Logged By: ZCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	114816 9	454 114910 2 1		1218	1C1D614	
						Moderately soft, PS2-foliated, noncalcareous, pale beige muscovite-biotite-garnet-andalusite-fibrolite-quartz schist. Biotite-andalusite-fibrolite as dark brown aggregates with pale beige muscovite-quartz matrix. Aggregates forms lenses and bands parallel S2. Locally minor pyrite and pyrrhotite along thin fractures.
						No obvious reason for alteration in schist.
						S2 surfaces silvery cream. Core slightly broken with good recovery. Marginal contacts gradational over short distance with increase in muscovite.
	114910 1	462 115116 0		1219	1C1C101	
						Noncalcareous, brown, thinly banded, moderately hard, PS2-foliated schist. Banding defined by alternating grey pelitic and brown pelitic on a scale of 1cm or less. S2 surfaces are micaceous biotite brown. Fibrolite associated with biotite in lenticular aggregates. Muscovite-biotite-quartz-fibrolite is metamorphic assemblage. Pink andalusite associated with coarse pegmatitic white quartz veins.
						Core slightly broken with excellent recovery. Thin banding defines small chevron folds with straight limbs and angular fold hinges.
	115116 0	462 115179		1310	1C1D614	
						Moderately soft, PS2-foliated, noncalcareous schist. Muscovite-biotite-quartz-andalusite schist. S2 surfaces are silvery cream. Pegmatitic pink andalusite and fine-andalusite associated with biotite in aggregates elongate parallel S2. Alteration associated with extensive fracturing at 1517 feet. Marginal contacts gradational. Core slightly broken with good recovery.

DDH 89EX-01A

CURRAGH RE…URCES INC.

Lithologic Log

Date: Sept 22/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	151179	151312 8 (467 2 written above)		311	1C9	Moderately hard, PS2-foliated, dark brown biotite-muscovite-Al_2SiO_5 (fibrolite ?)-quartz schist. S2 surfaces are micaceous brown. Thinly banded with grey qtzite and dark brown pelite. Marginal contacts with altered schist is gradational over short interval. Core slightly broken with excellent recovery. Qtzite bands are thin, discontinuous. Noncalcareous.
	151312 8	151315 2 (467 9 written above)		312	1CD64	Moderately soft, PS2-foliated, noncalcareous, muscovite-biotite-Al_2SiO_5-quartz schist. Not certain of andalusite or fibrolite in aggregates associated with biotite. S2 surfaces are silvery cream. Late xcutting fractures contain white calcite. Proportion of biotite aggregates ranges from 0 to 60%. Alteration appears associated with the late fractures. Core slightly broken with excellent recovery.
	151315 2	151565 8 (477 3 written above)		313	1C0	Moderately soft, PS2-foliated, dark brown, noncalcareous, biotite-muscovite-quartz-fibrolite-garnet schist. Fibrolite as small white aggregates intergrown with biotite — possibly pseudomorphing andalusite. Generally compositional banding parallel S2 although locally it defines small folds with S2 being axial planes. Banding defined by <1 cm thick interbanded grey qtzite and brown pelite. Pegmatitic white quartz veins contain coarse pink andalusite. Core slightly broken with excellent recovery.

DDH 89-EX-01A

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 23/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1151615	478 1151618	2 9	1314	1C1418	
						Same schist as described for unit # 33 (1535.2 - 1565.8). Contains irregular steep fractures at shallow angle to core axis. Fractures are infilled with quartz and lesser calcite. Adjacent to fractures have extensive retrograde alteration of schist to green chlorite.
						Core slightly broken with excellent recovery.
	1151618	479 1151713	9 2	1315	1C1D1614	
						Noncalcareous, moderately soft, PS2-foliated, pale beige muscovite-biotite-andalusite (?)/ fibrolite (?) - garnet - quartz schist. Matrix dominantly muscovite-quartz and is pale beige. Contains compositional bands and lenses are dark brown biotite - H_2SiO_5. Cannot tell if H_2SiO_5 is andalusite or fibrolite. S2 surfaces are silvery cream with dark brown streaks and spots. Proportion of biotite aggregates progressively decreases as go down DDH.
						Core slightly broken w/ excellent recovery.
						Lower one foot of interval pegmatitic white bull quartz with creamy white interstitial clay — clay was probably former feldspar. Calcite only present along narrow, late fractures.
	1151713 2					
	1151713	482 1151812	3 5	1316	1101E191	"ALTERED"
						Soft, pale creamy, highly altered intrusive dyke. Massive, homogeneous, equigranular quartz and clays. No mafic minerals are left. Late vcutting fractures are infilled with quartz and lesser pyrite. One exposed fracture has horizontal growth stripes / slickensides on surface — i.e. parallel to margins of vein.
						Upper contact sharp parallel S2.
						Core slightly broken w/ good recovery.

DDH B9EX-01A
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 23/89 Logged By: LLC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	115812 5	485 5 / 115912 7		1317	1101E10	9 ± 6 "SLIGHTLY ALTERED" "POTASSIC" Hard, very slightly calcareous, equigranular, biotite quartz diorite. Cut surface is medium grey when wet. Dominant mafics appears to be fine biotite forming about 10-15% of unit. Mafics are not present in thin alteration selvages adjacent to recutting fractures. These selvages are lighter coloured and locally become off-white for distance up to 5 cm away from fracture. Interval 1587-1590 is bright pink from abundant K-feldspar flooding the matrix. Cannot relate this potassic alteration to any particular fracture set. Core intact w/ excellent recovery.
	115912 7	489 8 / 116017 1		1318	1101E1	Hard, massive, medium-grained, equigranular biotite-hornblende quartz diorite. Large hornblende consists of grain aggregates which appear to be reacting to form biotite. Randomly oriented biotite phenocrysts are up to 5 mm across. Additional fine biotite also disseminated in matrix. Mafics constitute 30-40% of unit. Minor retrograde chloritic alteration adjacent to calcite infilled fractures. Core intact to slightly broken with excellent recovery.
	116017 1	490 4 / 116108 9		1319	1101E1	96 "POTASSIC" Moderately hard, pale pink, biotitic, altered 10E. Total matrix flooded by pale pink K-feldspar. Interval also slightly calcareous appears to be associated with calcite-infilled fractures. Marginal contacts are gradational. New, fine biotite growth along fractures. Mafics 10%. Core intact with excellent recovery.

DDH 89-EX-01A

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 23/89 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	116018 9	528 1171314 0 5		1410	1101E	
						Hard, massive, homogeneous, medium xlline, equigranular biotite-hornblende quartz diorite. Randomly oriented hornblende and biotite phenocrysts in medium grey qtz-feldspar matrix. Fine biotite also disseminated throughout. Hornblende has reaction rim selvage of biotite. Core locally slightly altered adjacent to calcite infilled fractures. Alteration dominantly a greening with development of chlorite and development of opaque white edges in feldspars. Mafics 30%.
						Core slightly broken with excellent recovery.
	1171314 0	531 1171412 5		1411	10E1019	±6 "POTASSIC"
						Same medium xlline, biotite-hornblende quartz diorite. Equigranular. For much of interval feldspars altered to opaque creamy white, soft, noncalcareous clay(?) Interval 1739.5-1741.5 biotite and hornblende phenocrysts are gone — possibly altered to chlorite. Matrix a pale pink from abundant K-feldspar. Locally have green associated with chlorite. Alteration appears to be associated with calcite infilled fractures which are at a shallow angle to the core axis.
						Core intact w/ excellent recovery.
	1171412 5	534 1171514 8 6		1412	1101E	
						Hard, homogeneous, medium xlline, medium grey, biotite-hornblende quartz diorite. Hornblende partially to completely rimmed by fine-grained biotite. Mafics 20% with biotite > hornblende. Minor chlorite alteration and opaque white clay alteration adjacent to calcite-filled fractures.
						Core slightly to moderately broken w/ excellent recovery.

DDH B9-EX-01A

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 23/89 Logged By: LLP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	171514 6	171611 9 4 (536)		1413	1101E10	9 Same hornblende-biotite quartz diorite. More extensively altered with green chlorite development and feldspars → opaque white clays. Clays are slightly swelling as core breaks up and expands. Entire 10E is slightly calcareous. Also calcite-filled fractures. Alteration appears to be associated with fractures. Core slightly broken w/ excellent recovery.
	171611 4	171719 5 4 (542)		1414	1101E1	Hard, homogeneous, massive, medium xlline, equigranular, medium grey biotite-hornblende quartz diorite. Mafics 30-40%. Minor chlorite and opaque white clays in feldspars adjacent to thin fractures. Biotite > hornblende. Core slightly broken w/ excellent recovery.
	171719 5	171914 5 0 (547)		1415	1101E191	± 6 More extensively altered hornblende-biotite quartz diorite. Feldspars are opaque white to pale green — extensively altered to clays(?). Mafics are partly to completely altered. Where partly altered they are light brown - where completely altered they are a pale tan (possibly altered to muscovite ?). Locally have flooding of feldspar matrix with pink K-feldspar. Alteration appears to be associated with calcite-infilled fractures. Locally K-feldspar forms pink selvages to thin fractures. Core slightly broken w/ excellent recovery.
	171914 5	181312 9 7 (558)		1416	1101E1	± 9 ± 6 Similar to last unit # 45 (1779.5-1794.5) only alteration less extensively developed. Interbanded with unaltered 10E biotite-hornblende qtz diorite on a scale of tens of cm to meters. Alteration denoted by opaque white to pale green colour with feldspars and

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2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 22/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1181312 9			1416		locally developed pink K-feldspar. Pink K-feldspar typically forms thin selvages adjacent to fine fractures. Proportion fresh to altered IDE is about 60 (fresh) : 40 (altered). Core slightly broken w/ excellent recovery.
	1181312 9	191011 0 (579 4)		1417	1101E1	
						Hard, massive, equigranular, medium grey, medium xline biotite-hornblende quartz diorite. Randomly oriented hornblende prisms partly to completely rimmed by dark brown biotite. Biotite disseminated in matrix as fine grains as well as forming coarser phenocrysts. Feldspars are generally translucent grey. With slight alteration they become opaque white to very pale green. Alteration in thin selvages only — associated with late vuggy fractures. Core slightly broken w/ excellent recovery.
	191011 0	191013 0 (580 0)		1418	1101E1019	#
						Moderately soft, calcareous, massive, equigranular, altered biotite-hornblende quartz diorite. Biotite retrograded to green chlorite locally. Biotite also altered to pale tan mineral. Hornblende altered to orange brown mineral. Feldspars altered to opaque white, moderately soft minerals. Mafics 20%. Mafics still present but highly altered. Rock showing to be slightly crumbly. Core intact with excellent recovery.
	191013 0	191115 5 (583 5)		1419	1101E191	
						Moderately soft to soft, noncalcareous, highly altered biotite-hornblende qtz diorite. Mafics present only as very pale tan ghosts — totally altered to new minerals. Feldspars are pale yellow clays (?). Only mineral not extensively altered is the interstitial primary quartz. Basic

DDH BG-EX-01A

CURRAGH RESOURCES INC.
Lithologic Log

Page 20

Date: Sept 23/89 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
		1915.5		49		to see xcutting fractures w/ translucent grey quartz infilling. Qtz veins contain irregular fine pyrite stringers and aggregates. Get open space voids along margins of fractures & within the fractures. Interval 1910 - EOI begin to see shearing textures. Equigranular texture being very disrupted. Abundant thin qtz filled fractures. Core breaks up very easily along fractures / shear planes. Locally core very friable because of combination of fracture / shear planes and extensively altered feldspars. TOI - 1910 core slightly broken w/ good recovery // 1910 - EOI core only slightly to moderately broken — yet core incipiently breaking up along extensive shear fractures at small angle to core axis — 10° wrt core axis — recovery OK.
	1915.5	1927.7 (587 / 6 written above)		50	10Q9	(10E9) 70:30 BXA Translucent blue grey quartz vein. Contains abundant angular fragments / clasts of quartz and 10E altered dyke material. Very fine grained, sheared texture. Fractures within qtz vein are locally infilled with coarse white calcite. Contains minor void spaces. Contains fine grained pyrite bands and streaks up to 5 cm thick. Below 1924 feet consists dominantly of highly altered dyke as in Unit # 49 (1903.0 - 1915.5). Feldspars are pale yellow. Rock soft. Breaking up on fractures and shear planes. TOI - 1920 BXA + VEIN Core slightly broken w/ good recovery 1920 - 1923 Very broken & rubbly with incipient gouge. Rock is dominantly very altered 10E9 Recovery OK 1923 - EOI Moderately broken w/ minor incipient gouges on fractures. Mainly 10E9 — altered intrusive ± BXA Recovery OK. At 1917.5 shearing fabric 8° wrt core axis

DDH 89-EX-01A
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 23/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1191217	1191415 (593)		1571	1101E191	I #
						Soft, pale yellow, highly altered intrusive. Mafic minerals are totally altered to pale tan mineral. Feldspars are creamy white to pale yellow. Contains thin quartz veinlets locally calcareous with calcite infilling small fractures. Minor shearing and disruption of equigranular texture on anastomosing fracture network. Typically rock friable and incipiently gouged on this fracture network. Very similar to Unit # 49 (1903.0 - 1915.5).
						TOI - 1939 - core slightly broken w/ good recovery
						1939 - EOI - core mod broken to rubbly w/ good recovery. Abundant incipient gouge in rubbly intervals
	1191415	1191814 (604)		1572	1101E1019	± 6
						Moderately soft, slightly calcareous, altered IOF biotite-hornblende quartz diorite. Mafic minerals locally altered to lighter brown minerals. Extent of mafic alteration decreases as go down DDH. Feldspars altered to creamy white to very pale green. In many cases feldspars are now swelling slightly and breaking up into small friable grains in the box — suggestive of swelling clays. Abundant calcite-infilled fractures. Locally feldspar matrix has a faint pink colour — presumably from K-feldspar.
						TOI - 1967 Core slightly broken w/ good recovery
						1967 - EOI Core moderately broken to very broken & rubbly. In most cases it is disintegrating in the box as it swells slightly. Recovery OK
						Unit similar to Unit # 48 (1901.0 - 1903.0)

DDH 89EX-01A

CURRAGH RESOURCES INC.

Lithologic Log

Page 22

Date: Sept 23/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	19842	20070 (611 / 7 written above)		53	10E	±6 MINOR
						Hard, massive, unfoliated, equigranular, medium xlline biotite-hornblende quartz diorite.
						Biotite is dark black. Hornblende is dark green. Minor calcite on thin xcutting
						fractures. Locally contains pink K-feldspar as thin selvages in xcutting
						fractures – fractures appear to contain qtz-chlorite. Feldspars have faint
						greenish tinge on wet cut surface.
						Hornblende partly to completely rimmed by fine biotite. Mafics about 30%
						Biotite > hornblende.
						Core slightly broken with excellent recovery.
						EOH

Page ______ of ______

DDH 89-FX-01A CURRAGH RESOURCES INC.

2 8

FEET

Structural Log

Date: Sept 21/89 Logged By: LCP

Code	From	To (ft)	To	Feature	Sym	S_0 Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10–14		16–20	22–24	26	28	32	34	38	40	44	
		304	9990	PS2						68		micaceous foliation + compositional banding
		311	10225	PS2						70		micaceous foliation + compositional banding
		316	10370	PS2						62		micaceous foliation + compositional banding
		321	10550	PS2						72		micaceous foliation + compositional banding
		327	10750	PS2				90	000	77		micaceous foliation = S2 compositional banding = S1
		333	10940	PS2				80	000	70		S2 = micaceous foliation S1 = compositional banding
		339	11125	PS2						68		S2 = micaceous foliation
		343	11265	PS2						58		S2 = micaceous foliation
		347	11410	PS2						70		S1 = S2 = compositional banding + foliation
		350	11510	CS2	S					72		micaceous foliation = S2 S1 = banding
		358	11765	CS2	S			37	000	62		S2 = micaceous foliation S1 = compositional banding
		361	11870	PS2						58		S2 = micaceous fltn + comp. banding
		367	12070	PS2						68		S1 = S2 = fltn + comp. banding
		375	12365	PS2						62		S1 = S2 = fltn + comp. banding
		379	12455	PS2						70		S1 = S2 = fltn + comp. banding
		385	12640	PS2						77		S1 = S2 = fltn + comp. banding
		389	12770	PS2						20		S1? = S2? = fltn. banding in
												metabasite — may be S1
		392	12870	PS2						15		S1? = S2? = banding in metabasite — may be S1
		395	12970	PS2						50		banding in metabasite
		398	13070	CS2				78	000	70		S2 = micaceous fltn S1 = comp. banding
		403	13240	PS2						75		S1 = S2 = fltn + comp. banding
		406	13350	PS2						60		S1 = S2 = fltn + comp. banding
		415	13640	PS2						70		S2 = fltn / S1 = comp. banding
		422	13870	PS2						55		S2 = micaceous foliation
		425	13970	PS2						72		S1 = S2 = compositional banding + micaceous foliation
		431	14155	PS1				00	000			S2 fold nose
		433	14210	PS2						70		S2 = micaceous fltn / S1 = comp. banding
		438	14390	PS2						67		S2 = micaceous fltn
		442	14530	PS2						70		S2 = micaceous fltn
		450	14770	PS2						55		S2 = micaceous fltn.
		456	14960	PS2						68		S2 = micaceous fltn.
		461	15140	PS2						65		S1 = S2 = comp. banding + micaceous fltn.
		467	15330	PS2						67		S1 = S2 = fltn + comp. banding
		473	15520	PS2						60		" " " "
		477	15660	PS2						63		" " " "

DDH 89-FX-01A CURRAGH RESOURCES INC.

Page ____ of ____

Logged by KCP

ASSAY LOG (SAMPLER'S COPY) Date Sept 23/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	1161017	1161018	372710	18	18	101E1916	Potassic altered 10E
	1161910	1161919	372711	194	194	101E1	fresh
	1181912	1191011	372712	190	190	101E1	fresh
	1191011	1191013	372713	20	20	101E1019	* slightly altered
	1191013	1191017	372714	40	40	101E191	
	1191017	1191120	372715	50	50	101E191	
	1191120	1191155	372716	35	35	101E191	
	1191155	1191210	372717	45	45	101Q1	BXA (10E9)
	1191210	1191213	372718	38		101Q1	BXA (10E9)
	1191213	1191217	372719	39		101E191	
	1191217	1191312	372720	50		101E191	
	1191312	1191317	372721	43		101E191	
	1191317	1191411	372812	40		101E191	
	1191411	1191415	372813	45		101E191	

possible Au analyses

C.R.I. 1987 E-5

PROJECT Faro NW | DRILLHOLE NO. 89FX-01A | COORDINATES: N _____ | DATE Sept 17 1989
LOCATION _____ | HOLE SIZE NQ | E _____ | PAGE 1 of 4
LOGGER LCP | INCLINATION _____ | ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

FEET

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
994									F								DDH 89FX-01
997		2.2		2.0			13		F						2		
1005		8.4		8.2			13		F						4		
1015		10.1		9.5			14		F						3		
1025		10.2		9.8			14		F						2		
1035		10.3		9.6			13		F						3		
1045		10.2		9.5			15		F						1		
1055		10.3		9.4			13		F						1		
1065		10.3		9.0			13		F						5		
1075		10.2		8.5			14		F						5		
1085		10.3		9.9			14		F						2		
1095.5		10.4		8.4			14		F						3		
1105.5		10.5		9.3			14		F						7		
1116		10.6		7.4			14		F						3		
1126		10.5		8.1			12		F						5		
1136		10.4		9.4			13		F						4		
1146		10.4		9.5			14		F						2		
1156		10.4		9.6			15		F						1		
1166.5		10.4		9.0			14		F						5		
1177		10.7		9.5			14		F						2		
1187		10.2		9.2			14		F						1		
1197		10.1		10.0			15		F						1		
1207		10.3		10.0			14		F						1		
1210		2.8		2.7			13		F						1		
1220		10.4		7.6			13		F						2		
1230		10.5		10.0			14		F						3		
1237		6.9		4.7			12		F						1		
1247		10.3		9.3			14		F						0		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89FX-01A COORDINATES: N _____ DATE Sept 23 1989

LOCATION _____ HOLE SIZE NQ E _____ PAGE 2 of 4

LOGGER LCP INCLINATION -90° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1257		10.5		9.4			14		F						4		
1267		10.2		9.6			14		F						3		
1277		10.2		8.2			13		F						4		
1287		10.3		9.1			14		F						3		
1297		10.3		10.0			14		F						2		
1307		10.3		9.7			14		F						1		
1317		10.1		9.5			15		F						0		
1327		10.4		8.2			14		F						3		
1337		10.2		9.7			14		F						1		
1347		10.2		9.2			14		F						3		
1357		10.4		9.4			14		F						3		
1367		10.3		8.5			14		F						2		
1377		10.2		6.8			13		F						4		
1381.5		3.3		0.4			9		F						3		
1387		6.0		2.4			10		F						3		
1397		9.5		8.2			13		F						2		
1406		10.3		7.7			13		F						0		
1416		10.4		9.5			14		F						2		
1426		10.5		10.0			14		F						4		
1435.5		9.1		8.9			14		F						3		
1437		1.7		1.0			10		F						1		
1447		10.3		9.6			14		F						2		
1457		10.3		8.0			12		F						1		
1467		10.6		7.9			12		F						5		
1477		9.7		8.7			13		F						2		
1487		10.5		9.8			14		F						2		
1497		10.4		8.6			14		F						4		
1507		10.6		9.4			14		F						4		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89FX-01A COORDINATES: N _____ DATE Sept 23 1989

LOCATION _____ HOLE SIZE NQ E _____ PAGE 3 of 4

LOGGER _____ INCLINATION -90° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1517		10.6		8.6			13		F						3		
1527		7.5		6.9			13		F						3		
1537		10.1		8.6			14		F						4		
1545		8.3		8.0			14		F						1		
1555		10.5		9.8			14		F						0		
1565		10.3		9.4			14		F						2		
1575		10.5		8.8			13		F						3		
1585		10.9		7.8			13		F						10		
1591		6.2		5.6			14		F						5		
1601		9.4		9.1			14		F						5		
1611		10.6		8.4			13		F						7		
1620		8.8		7.2			14		F						4		
1630		10.5		9.0			14		F						5		
1640		10.3		8.8			14		F						9		
1647		6.8		7.0			14		F						3		
1657		10.5		9.6			14		F						4		
1667		10.0		8.8			14		F						8		
1677		10.7		5.1			12		F						9		
1687		10.4		9.6			14		F						8		
1697		10.2		9.6			14		F						9		
1707		10.5		8.9			14		F						7		
1717		10.0		8.3			13		F						5		
1727		10.5		9.7			14		F						11		
1737		10.4		9.9			14		F						5		
1747		10.2		9.6			14		F						4		
1757		10.4		8.5			13		F						7		
1767		10.3		8.8			13		F						6		
1777		10.5		9.1			14		F						7		
*1519		27		2.4			14		F						1		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89FX-01A COORDINATES: N _____ DATE Sept 23 1989

LOCATION _____ HOLE SIZE NQ E _____ PAGE 4 of 4

LOGGER LKP INCLINATION -90° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
1787		10.2		9.5			14		F						6		
1797		10.1		9.8			14		F						5		
1807		10.3		8.7			14		F						7		
1817		10.1		9.4			14		F						7		
1827		10.4		9.8			15		F						3		
1837		10.0		9.6			14		F						5		
1847		10.2		9.5			14		F						5		
1857		10.5		6.9			14		F						9		
1867		10.3		10.0			14		F						3		
1877		10.4		9.9			14		F						8		
1887		10.2		8.7			14		F						7		
1897		10.4		9.4			14		F						2		
1907		10.3		9.2			14		F						6		
1917		10.2		7.3			13		F						7		
1927		10.8		4.8			10		F						23		
1937		10.5		8.6			13		F						13		
1947		11.0		4.6			13		F						19		
1957		10.3		6.3			14		F						4		
1967		10.6		7.7			13		F						12		
1977		10.7		5.3			12		F						15		
1987		10.7		3.6			11		F						20		
1997		10.3		9.6			14		F						4		
2007		10.4		9.8			14		F						5		
							EOH										

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of _____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89FX-02

Reference Fabric Orientation Diagram:

Project: 1989 FAR NW

Location: _____

Claim: _____

~~Terr.~~ UTM Plane Co-ords.: 6,915,709.9 N

583,351.7 E

Grid Co-ords: _____

Elevation: 1333.0 from map

All symmetry determinations looking

Total Depth: 384 feet (117.0m)

_____ with _____ dipping

Inclination: -90° vertical

_____ with dip azimuth _____.

Purpose: test ICD northwest of pit

Reason hole Terminated: 10E for entire length

Logged by: LCP

Date(s) Logged: SEPT 17, 1989

Drilling Contractor: ARCTIC

Hole Cemented: No

Steel down Hole: No

CORE Size	From	To	Collar Cased and Capped: YES
NW	0	82 feet	
NQ	72	384 feet	

Assay Lab: _____

Certificate No's: _____

Started: Aug 21/89 Completed: Aug 23/89

White pipe down hole for geophysics

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH 89.F.X.-.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							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	89FX-02	0 0	-90.0	0.0	AT COLLAR
R		112.5 369 0	-89.0	001.0	SPERRY SUN
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R					
R					
R					
R					
R					
R					

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

DDH BgFX-02 (FEET)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 17/87 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	21 7120 9		11	#1	TRICONED - NO RECOVERY
	7120	22 7125 1		12	#1	TILL Rusty brown, arkosic sand with rounded gravel clasts up to 3cm across. Clasts are a variety of rock types, including IOAB and metasediments. Matrix sand consists of weathered quartz and feldspar. Recovery assumed reasonable.
	7125	23 7185 9		13	1101E	VERY WEATHERED Soft, massive, very weathered, IOE dyke material. Equigranular texture. All surfaces have moderate to strong orange-brown weathering discolouration. All mafic minerals have been weathered out. Feldspars have an orange tinge and may be weathered to clays. Rock tends to be friable and breaks into sandy, moderately friable grains. Unit could be mistaken for IOF because of absence of mafics due to weathering. Core very broken to rubbly. Good strong weathering crust on all surfaces. Recovery seems to be OK.
	7185	34 11120 1		14	1101E	MODERATELY WEATHERED Medium grained, equigranular, massive, unfoliated, biotite-hornblende quartz diorite. Fresh colour is medium grey to light grey. Biotite phenocrysts are up to 0.5cm across. Also have fine biotite scattered in feldspar-quartz matrix. Hornblende phenocrysts are similar size to biotite phenocrysts. Hornblende partly to completely enclosed by biotite aggregates. Typically hornblende is more extensively weathered than biotite. Biotite phenocrysts constitute about 5% of dyke. Unaltered dyke rock is relatively fresh. May have some minor orange-brown weathering crust on fracture surfaces. Altered zones adjacent to calcite-infilled

DDH B9FX-02 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 17/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		11120		14		fractures, however, are extensively weathered. Most mafics are destroyed - not certain whether due to alteration or weathering. Dyke is moderately soft - can be readily scratched with nail. Both cut and broken surfaces have pervasive orange-brown weathering stain. Rock more friable - breaks with some difficulty into qtz - feldspar "sand". Calcite infilling the fractures has a pale tan to pale orange discolouration.
						Core slightly broken to intact in areas where fresh. In weathered/altered intervals core very broken, rubbly, locally sandy. Recovery seems OK throughout.
	11120	11419 45 4 0		15	1101E	SLIGHTLY WEATHERED
						Hand, medium grained, equigranular, fresh, biotite-hornblended quartz diorite. Massive, homogeneous. Biotite phenocrysts up to 0.5 cm across constitute about 5% of dyke. Hornblende phenocrysts are less common. Hornblende is about same size and is typically partly to completely enclosed by biotite aggregates. Fine biotite also occurs in matrix. Fresh colour is medium grey when wet and pale grey when dry.
						Contains white, calcite-infilled fractures up to 2 cm thick. Adjacent to these fractures feldspars are altered and have a frosted white appearance. Alteration generally extends for less than 5 cm away from fractures. No strong layering noted within fractures (in the calcite).
						Interval slightly weathered because broken fracture surfaces have a orange-brown weathering coating. Otherwise, the interval is fresh.
						Core moderately broken with good recovery. More broken and rubbly in areas of alteration adjacent to fractures.

DDH 89-FX-02

CURRAGH RESOURCES INC.
Lithologic Log

Page 5

Date: Sept 17/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	149.0	249.3 (76)		6	10E	Hard, medium grey, equigranular, medium xlline, biotite-hornblende quartz diorite. Biotite phenocrysts up to 0.5 cm across constitute 5% of unit. Hornblende phenocrysts up to 0.5cm constitutes 1-2% of unit. Hornblende typically partly to completely enclosed by biotite aggregates. Biotite also disseminated in matrix as finer grains. No foliation visible. Rock homogeneous, massive. Fine late xcutting fractures are infilled with calcite. Typically these are less than 1cm thick. Adjacent to fractures feldspars are altered to an opaque white (possibly altered to clays?). Many fractures tend to be along core axis. No weathering discolouration is noted on broken surfaces. Core slightly to moderately broken. More broken in areas with greater concentration of fractures. Recovery OK.
	249.3	251.5 (76.7)		7	10E	9 ALTERED More extensively altered variant of 10E dyke. Calcite disseminated in matrix as well as in fractures. Biotite phenocrysts altered to muscovite (?). Feldspars all in an opaque white with faint greenish tinge. About 90% of mafics altered. Cannot correlate alteration with any extensive fracture system. Core moderately broken. Recovery OK.
	251.5	384.0 (117.0)		8	10E	Exactly the same as Unit # 6 (149-249.3). Unfoliated, medium xlline, equigranular, biotite-hornblende quartz diorite. Massive, homogeneous. Minor alteration of feldspars to opaque white adjacent to calcite infilled fractures. Core moderately broken to slightly broken w/ good recovery. EOH

C.R.I. 1987 E-3A

FEET DDH 89FX-02 (2–8) CURRAGH RESOURCES INC.

Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date Sept 17/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10–14	16–20	22–26	28–30	32–34	36–40	42
	1163 49 70	1173 52 70	37132	10 0	100	10E	
	1327 99 70	1337 102 70	37133	10 0	100	10E	

C.R.I. 1987 E-5

PROJECT _____ DRILLHOLE NO. 89FX-02 COORDINATES: N _____ DATE Sept 17 1989

LOCATION _____ HOLE SIZE NQ E _____ PAGE __ of __

LOGGER LCP INCLINATION -90° ELEVATION _____

FEET

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.	
72		0		0			0		0						0		TRICONED - No Recovery
75		4.0		0			6		C						2		Orange discoloration from weathering
83.5		9.2		1.7			7		C						8		Orange in upper 1/2
93.5		11.0		4.7			12		D						9		
103		10.0		7.2			14		D						9		
107		3.0		1.5			11		E						5		
112		5.0		2.9			12		E						9		
122		10.7		7.4			14		E						7		
132		10.5		6.5			14		E						11		
143		11.0		6.4			13		E						16		
153		10.8		4.8			11		E						13		
163		10.9		8.8			14		F						7		
173		10.5		8.5			14		F						7		
183		10.5		9.2			14		F						7		
193		8.9		6.3			13		F						10		
197		5.2		4.5			14		F						3		
203		5.1		4.2			14		F						3		
207		5.4		1.5			9		F						7		
217		10.5		6.3			12		F						10		
227		10.5		5.2			13		F						10		
237		10.7		2.7			12		F						18		
247		10.6		4.8			11		F						19		
257		10.6		3.1			13		F						16		
267		10.8		9.0			14		F						10		
277		10.2		8.5			14		F						10		
287		10.6		5.9			12		F						13		
297		11.0		4.0			13		F						15		
307		10.5		6.0			12		F						19		

21.9
22.9
25.5
28.5
31.4
32.6

Fig. 1: Typical rock mechanics core log.

PROJECT ______ DRILLHOLE NO. 89FX-02 COORDINATES: N ______ DATE Sept 17 1989

LOCATION ______ HOLE SIZE ______ E ______ PAGE __ of __

LOGGER LCP 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.	
317		10.7		6.2			13		F						15		
327		10.4		7.7			13		F						10		
337		10.2		8.6			14		F						9		
339		2.2		1.6			13		F						2		
347		8.0		5.7			13		F						7		
357		10.4		5.3			13		F						16		
367		10.2		7.6			14		F						7		
377		10.4		9.1			14		F						10		
384		7.6		4.7			13		F						11		

F OH

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89FX-03

Reference Fabric Orientation Diagram:

Project: 1989 FARONW

Location: NW of Faro pit

Claim: _____

UTM ~~Terr. Plane~~ Co-ords.: 6,916,012.2 N

582,661.9 E

Grid Co-ords: _____

Elevation: 1378.0 m

All symmetry determinations looking

Total Depth: 1054 feet (321.3m)

NW with S2 dipping

Inclination: -90° VERTICAL

SW with dip azimuth _____.

Purpose: TEST ICD northwest of Faro pit

Reason hole Terminated: Drilled into thick IOE dyke

Logged by: LCP

Date(s) Logged: SEPT 24-26, 1989

Drilling Contractor: ARCTIC

	Size	CORE From	To	
	NW	0	31 feet	
	NQ	31	1054 feet	

Hole Cemented: No Steel down Hole: No

Collar Cased and Capped: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 24/89 Completed: Aug 29/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89.F.X.-03

Date: Logged By:

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

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 – 8	10 – 14	22 – 26	28 – 32	34 – 56
R	89FX-03	0.0	-90.0	0.0	AT COLLAR
R		72.8 239.0	-89.0	097.0	SPERRY SUN
R		133.8 439.0	-86.0	085.0	
R		194.8 639.0	-85.0	073.0	
R		255.7 839.0	-84.0	073.0	
R		316.7 1039.0	-84.0	077.0	SPERRY SUN

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

DDH 89-EX-03

FEET

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 24/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	100	131 9 4 0		11	#1	TRICONED - No RECOVERY
	131 0	157 17 6 7		12	11C1D1614	WEATHERED Moderately soft, PS2-foliated, noncalcareous, pale tan muscovite-biotite-andalusite-quartz schist. S2 surfaces, where exposed, are silvery cream. Contains irregular, dark brown biotite-andalusite lenses and aggregates elongate in S2 foliation. Aggregates constitute 10-20% of unit. All fracture surfaces and most S2 surfaces have bright orange-brown weathering stain. Stain appears to extend 1-5 mm away from surface into rock. Minor pegmatitic white bull quartz vein material present. Lower contact placed when staining becomes less prominant & less ubiquitous. TOI-49 moderately broken — recovery OK 31-37 has 5.6 feet core At 42 fracture-qtzvein-bxn has orientation 20/040 wrt S2 49-53.5 very broken and locally rubbly minor gouge balls @ 50 — recovery OK 53.5-EOI moderately broken 54.5-63 has only 8.5 feet core - recovery OK
	157 7	181 24 7 0		13	11C1D1614	SLIGHTLY WEATHERED Similar to Unit # 2 (31-57.7) Moderately soft, noncalcareous, PS2-foliated, muscovite-biotite-andalusite-quartz schist. Matrix is creamy white muscovite. S2 surfaces are silvery cream. Within matrix are irregular dark /aggregates/ lenses of dark brown biotite-andalusite. Lenses are elongate within S2 foliation. Some fracture surfaces and S2 surfaces have orange-brown weathering stain. Others are fresh. Proportion of biotite clotting about 5-15 %. TOI-69 Slightly to mod. broken w/ good recovery // 69-EOI mod. broken w/ rubbly intvls. Rubbly @ 69-70.5, 71.5-73.5 recovery OK Note of mislabels @ 81.0

DDH 89-EX-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 4

Date: Sept 24/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1811 0	1817 26 0		14	ICID1416	WEATHERED (10Q BXA)
						Moderately soft, PS2-foliated, noncalcareous, pale tan muscovite-biotite-andalusite-quartz schist. Dominantly muscovite schist with 5% dark brown biotite-andalusite clots generally less than 5 cm across. S2 surfaces and fracture surfaces have strongly developed orange-brown weathering surface coating.
						Alteration and weathering both associated with quartz vein brx. Fm interval 82-83.5. Angular clasts of quartz, phyllite, feldspar in qtz vein matrix. S2 in phyllite is randomly oriented. Top contact 30° wrt core axis and bottom contact 35° wrt core axis.
						Lower contact of unit gradational w/ increase in biotite content.
						TOI - 84.5 very broken w/ local rubble. Recovery OK. note of mislatch at 81.
						84.5 - EOH slightly to moderately broken w/ good recovery.
	1817 0	1833 9/3		15	ICID161	8 MINOR ± 4 MINOR
						Moderately soft, PS2-foliated, noncalcareous, clotted schist. Matrix is pale grey green. Contains dark brown clots/aggregates of biotite-andalusite. S2 surfaces are generally silvery cream. Metamorphic assemblage muscovite-chlorite-biotite-andalusite-quartz. Biotite aggregates 20-30%. Unit differs from schists higher in DDH because of chlorite presence as indicated by pale greenish tinge on wet cut surface. Last 2 feet before next unit is more altered - matrix is pale beige without greenish hue.
						Core slightly broken with good recovery. S2 surfaces are typically fresh. Some steep fractures have patchy orange weathering crust.
	1833 3	1835 5/5		16	1101Q1$1	BXA (1CD46) 80:20
						Clasts of phyllite, vein quartz, totally altered feldspar (now soft clays) in a fine orange-brown matrix. Looks like fractured and brecciated qtz-feldspar pegmatitic vein. Strong orange-brown

DDH 89-EX-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 24/89 Logged By: NCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		111.16.5		16		indicates probable conduit/channel for some groundwater flow.
						Contains some ICD intervals near bottom of unit. Pale beige, PS2-foliated, muscovite-quartz-biotite-andalusite schist. S2 surfaces are silvery cream
						TOI-115 very broken and rubbly with good recovery // 115-EOI moderately broken with good recovery. Interval 110-120 has only 9 feet core — suggest 1 foot loss somewhere in this interval.
	111.16.5	118.55 12.5		17	ICIDI614	8 → (ICD64) MINOR.
						Moderately soft, non calcareous, PS2-foliated, silvery grey schist. Muscovite-biotite-andalusite-chlorite-quartz ± garnet. S2 surfaces are silvery grey to white. Matrix consists of muscovite-quartz-chlorite and has faint greenish tinge on wet cut surface. Biotite-andalusite forms irregular clots/aggregates elongate in S2 foliation. Proportion biotite-andalusite 10-40%. As approach next unit proportion biotite-andalusite decreases to 0%. Rock becomes pale beige with loss of chlorite. Last 1 foot would be more suitable as ID4.
						Core slightly broken with good recovery. Minor patchy orange weathering coat only on 2 fractures near TOI - otherwise unit looks fresh.
	118.12.2	119.11.58 2.0		18	1101E91	ALTERED MARGINAL PHASE
						Creamy white to pale grey, finely xlline, moderately hard, massive, homogeneous, non calcareous altered qtz dacite. Mafics almost totally altered to pale minerals. Typically crowded with off-white feldspar microphenocrysts. Some quartz microphenocrysts present. Some irregular intervals aphanitic. Fracture surfaces have strong orange-brown weathering coat. Appearance of very altered marginal phase of 10E dyke. Upper contact w/ schist irregular and cuts S2.
						Core moderately broken with short rubbly intervals. Recovery good.

DDH BgEx-03
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 24/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	11911 0	11919 60 7 1		19	101E	MARGINAL PHASE
						Hard, dark brown, finely xline, noncalcareous, biotite-feldspar porphyry. Crowded with small angular white feldspar microphenocrysts. Contains lesser dark brown to black biotite phenocrysts. Typical marginal phase of 10E dykes. Locally pale grey green from retrograde chlorite near fractures. Some fractures are infilled with calcite. Massive, homogeneous, no foliations noted. Bottom contact against pegmatitic white bull quartz vein.
						Core slightly broken to moderately broken with good recovery.
	11919 1	12121 67 5 6		110	11C1D1618	
						Similar to Unit # 7 (116.5-182.2) Moderately soft, PS2-foliated, pale grey, noncalcareous schist. Muscovite-chlorite-biotite-andalusite-quartz. S2 surfaces are silvery cream. Matrix is muscovite-chlorite. Biotite-andalusite forms irregular aggregates/clots/bands within the pale silvery green matrix. Locally the dark brown biotite-andalusite clots are partly to completely replaced by pale green chlorite-muscovite. Pegmatitic white qtz veins contain off white feldspar and pink andalusite. Lower contact gradational with decrease in chlorite and increase in muscovite. This represents a retrograded sequence (?)
						Core slightly broken w/ good recovery.
	12121 6	12141 76 0 2		111	11C1D1614	± BXA
						Moderately soft, PS2-foliated, pale beige, noncalcareous, muscovite-quartz-biotite-andalusite ± garnet schist. S2 surfaces are pale silvery cream. Contains irregular dark brown biotite-andalusite clots in pale cream muscovite-quartz matrix. Biotite-andalusite aggregates constitute 10-10% of unit. Both upper and lower contacts gradational with increase in biotite content and appearance of chlorite with muscovite.
						Alteration associated with post D2 bxa located from 231.8-233.4. Rotated clasts of 1D4 in hard qtz-muscovite fine matrix. Minor white qtz vein clasts.

DDH BGEX-03 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 24/89 Logged By: LLC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		121419 2		111		Two cm thick white qtz veins seen through 6xa undisturbed. Bottom contact 10° wrt core axis. Top contact hidden in rubble. Minor fine pyrite aggregates in fine-grained 6xa matrix. Coherent fault/fracture.
						Locally fractures have orange-brown weathering surface coating
						TOI-243 slightly broken to moderately broken with good recovery 1/243- EOI moderately broken with good recovery.
121419 2	104 131413 6 3			112	1C1D1618	→ (1C0) 60:40
						Moderately soft, PS2-foliated, noncalcareous, brownish grey schist. S2 surfaces are silvery white to brown. Matrix is pale muscovite-chlorite with clots/aggregates of dark brown biotite-andalusite. Proportions of biotite-andalusite aggregates and bands generally 30-50%. As go down DDH begin to pick up disseminated biotite in matrix. Becomes more typical of thinly banded biotite-muscovite-qtz-andalusite ± chlorite schist. Core slightly broken with good recovery.
						Locally chlorite partly to completely replaces biotite-andalusite aggregates.
131413 3	105 131415 4 9			113	1D141	6 MINOR
						Moderately hard, PS2-foliated, pale beige muscovite-quartz-biotite-andalusite-schist. S2 surfaces are silvery cream. Contains minor relict biotite-andalusite irregular clots within a pale beige muscovite-quartz matrix. Clots are generally less than 1cm across. Upper and lower contacts are gradational with increase in biotite-andalusite clots and appearance of chlorite with muscovite.
						Alterations associated with 10cm thick fracture zone. Schist disrupted with quartz and dolomite infilling fracture. Minor fine pyrite aggregates gouged margin of fracture. Orientation of top of fracture 37/198 wrt S2. Bottom contact 15/088 wrt S2. Core intact to mod broken w/ excellent recovery.

DDH 89-EX-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131415 9	131714 5 (114)		114	1C1D1618	± 4
						Moderately soft, PS2-foliated, noncalcareous, brownish grey schist. Biotite-muscovite-chlorite-andalusite-quartz. S2 surfaces are micaceous grey-brown. Andalusite associated with biotite in irregular clots and clusters. Matrix is fine biotite with chlorite and muscovite. Locally muscovite becomes major matrix mica — especially near bottom of interval. Unit slightly retrograded but overall not as severely altered as 1CD4. Minor pegmatitic white quartz veins. Overall biotite content about 60-70%. Lower contact gradational to next unit.
						Core slightly broken with good recovery.
	131714 5	141012 2 (122) 6		115	11D141	± 6 MINOR
						Pale beige, noncalcareous, PS2-foliated, muscovite-quartz schist. S2 surfaces are silvery cream. Locally contains minor small, relict dark brown biotite-andalusite clots and clusters. Interval contains abundant x-cutting fractures, locally infilled with quartz. Fractures are locally porous with crystal faces developed into the voids. Alteration appears associated with the more extensive fracturing.
						TOI-385
						Core moderately to very broken with good recovery. More fractured areas tend to be rubbly. // 385-EOI slightly broken with good recovery.
						Minor streaky pyrite present, both along fractures and parallel S2.
						Both upper and lower contacts are gradational.
	141012 2	141017 8 (124) 3		116	1C1D161	
						Moderately soft, PS2-foliated, brown biotite-muscovite-andalusite-quartz ± chlorite schist. S2 surfaces are micaceous brown. Andalusite associated with biotite in irregular clots / aggregates elongate along S2. Contains thin compositional bands of muscovite-chlorite within the dark brown biotite-rich pelite. Both upper and lower contacts are

DDH BgEX-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 25/89 Logged By: ACP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		141017 B		116		gradational with increase in matrix muscovite and decrease in matrix biotite.
						Core intact with excellent recovery.
	141017 B	131 141312 B 5		117	1 1C 1D 16	4 9 minor
						Moderately soft to moderately hard, PS2-foliated, noncalcareous, pale beige, muscovite-quartz-biotite-andalusite ± chloritic schist. Biotite andalusite forms irregular relict clots elongate S2 within muscovite-quartz matrix. When retrograde alteration is very strong biotite-andalusite clots are replaced by chlorite-muscovite aggregates. Biotite-andalusite clots form bands ranging from 1cm - 5cm in thickness. S2 surfaces are silvery cream. Biotite-andalusite aggregates constitute 5-20% of unit
						Alteration associated with extensive fracturing. Fractures infilled with quartz. Commonly fractures have coherent bxa texture with randomly oriented schist clasts (angular) within a fine-grained, pale tan matrix. Qtz veins within bxa zones are partly broken up. Bxa & alteration appears to be post metamorphism because locally biotite-andalusite clots are retrograded to muscovite chlorite.
						Minor streaky pyrite parallel S2 and interstitial within quartz veins.
						Core moderately broken with good recovery. Bxa + disrupted vein zones at 415-415.8, 416.5-417.3, 420.0-421.1
	141312 5	135 141413 1		118	1 1D 14	9 minor ± BXA
						Moderately soft, pale beige, PS2-foliated, muscovite-quartz ± pyrite schist. Pyrite forms irregular bands and streaks parallel S2. Pyrite more prevalent in bxiated areas. S2 surfaces are silvery cream. Alteration associated with extensive bxa developed in association with fracture. Randomly oriented, angular schist and vein quartz clasts in fine-grained pale beige to white matrix. Internal fractures within bxa and qtz veins oriented 20° wrt core axis. Bxa developed 434.5-437.5 Core mod. broken w/ good recovery

DDH B.G.F.X.-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 25/89 Logged By: HCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	141413	141618 (142 8 5)		119	1C1D1416	
						Moderately soft to moderately hard, pale beige, noncalcareous, PS2-foliated muscovite-quartz-biotite-andalusite schist. Minor thin dark brown biotite-andalusite clots/aggregates elongate parallel S2. Aggregates generally less than 2cm thick. S2 surfaces are silvery cream. Biotite-andal. aggregates constitute 10% or less of unit.
						Minor hem developed iron associations with steep cross cutting fractures. Fractures commonly infilled with soft, opaque white mineral - non reactive to HCl. Locally pegmatitic white qtz veins have coarse pink andalusite.
						Upper and lower contacts are gradational.
						Core slightly broken with good recovery.
	141618 5	151011 (152 9 8)		1210	1C1D1161	± 8 ± 4
						Moderately soft, PS2-foliated, noncalcareous, biotite-muscovite-andalusite-chlorite-quartz schist. Biotite associated with andalusite in irregular, dark brown aggregates. Aggregates up to 3cm thick — elongate parallel S2. Matrix consists of pale tan to pale green muscovite ± chlorite. Biotite aggregate proportions ranges from 5-70%. More intensely altered schist associated with fractures running parallel core axis. Fractures are infilled by quartz. This is slightly to moderately altered/retrograded schist.
						Core slightly broken with good recovery.
	151011 8	151112 (152 1 1)		1211	1C1D1018	
						Moderately soft, noncalcareous, PS2-foliated, dark brown biotite-chlorite-muscovite-andalusite-quartz schist. Andalusite associated with biotite in dark brown, irregular, compositional bands parallel S2 foliations. S2 surfaces are dark, mirrorous brown. Near bottom of

Code	From	To	Recov.	No.	Unit	Description
		151121		1211		interval extensive chlorite and lesser muscovite replaces biotite in matrix and in the biotite-andalusite clusters. Schist becomes greenish rather than dark brown. Retrograde alteration associated with intrusion of 10E dyke. Core slightly broken with good recovery.
	151121	151144 (156 / 8 above)		1212	10E	Hard, medium xlline, equigranular, unfoliated, biotite-hornblende quartz diorite. Hornblende and biotite partly to completely altered to chlorite. Very minor calcite in thin fractures. Upper contact along fracture with orientation 15° wrt core axis. Lower contact irregular but crudely parallel core axis.
	151144	159130 (180 / 7 above)		1213	1CD08	± 4 Moderately soft, PS2-foliated, dark brown, noncalcareous biotite-muscovite-andalusite-quartz-garnet-chlorite schist. Andalusite associated with biotite in dark brown clusters/aggregates forming compositional bands up to 3cm thick. Biotite also disseminated in matrix. S2 surfaces are mottled micaceous brown, green, pale beige. Matrix biotite locally retrograded to pale green chlorite. See development of biotite-andalusite aggregates in a green pelitic matrix. Very locally alterations becomes more extensive and have biotite-andalusite aggregates in a pale tan muscovite-quartz matrix. Pegmatitic white qtz veins contain coarse pink andalusite. Core slightly broken with excellent recovery.
	159130	161035 (183 9 above)		1214	1D4	± 6 MINOR ± BXA Pale tan, PS2-foliated, noncalcareous muscovite-quartz schist. Locally contains relict biotite-andalusite clots and compositional bands these aggregates are typically partly to completely rimmed by medium green chlorite. Locally schist also contains minor [illegible]

DDH 89-EX-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 25/89 Logged By: NCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		161013.5		1214		pale pink garnet. Muscovite-quartz schist is typically thinly banded with ≤ 1 cm, discontinuous interbands of quartz.
						Interval 597.6 - 600.5 is brisated along irregular fracture surface. Angular rotated clasts of 1D4 and qtz veins in fine grained, noncalcareous, pale beige matrix. Fracture system anastomosing with pinch and swell texture also — width locally extends up to entire core width. Fracture is going straight down the core axis.
						Pegmatitic white qtz vein contains coarse pink andalusite.
						Core slightly broken with good recovery.
						Alterations and fracturing both probably related to next unit.
161013.5	184 6 161015.7			1215	1101E19	ALTERED
						Moderately hard to moderately soft, pale grey to off-white qtz-feldspar intrusive. Former mafics are totally altered to pale chlorite. Abundant white feldspar phenocrysts now altered to clays. Upper and lower contacts parallel S2. Medium-finely xlline.
						Top 1/3 of unit is massive, unfoliated. Lower 2/3 of unit has readily visible foliation with quartz ribbon texture. Foliation appears parallel S2. Gradational change from unfoliated to foliated intrusive. Overall rock looks like altered, marginal phase of 10E dyke.
						Core moderately broken with good recovery.
161015.7	196 3 161414.0			1216	1ID141	9 MINOR (ICD64) 60:40
						Moderately soft, PS2-foliated, noncalcareous, thinly banded, pale beige muscovite-quartz schist. S2 surfaces are pale silvery cream. Banding characterized by thin, discontinuous quartz streaks less than 1 cm thick. Locally contains minor pyrite in thin streaks parallel S2.
						Intervals of schist up to 1.5 m. thick contain irregular clots-aggregates-bands

DDH 89FX-03

2 8

CURRAGH RESOURCES INC.

Lithologic Log

Page 13 .

Date: Sept 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		1644 0		1216		of dark brown biotite-andalusite. Aggregates range up to 5cm in thickness. Aggregates are locally being partly to completely retrograded to muscovite. Alteration to muscovite appears to be associated with steep fractures which have incipiently brecciated the schist. Fractures have orientation 0-20° wrt core axis. Form anastomosing network with altered 1D4 and 1CD64 clasts in a fine grained, noncalcareous, pale tan matrix. Lower contact gradational with increase in biotite and appearance of chlorite.
	1644 0	1706 5 (215 3)		1217	1CD68	4 Moderately soft, PS2-foliated, medium brown, noncalcareous biotite-muscovite-chlorite-garnet-Al_2SiO_5-quartz schist. S2 surfaces are mottled micaceous dark brown, silvery cream, and pale green. Al_2SiO_5 associated with biotite in large irregular aggregates/clots/bands. these bands and clots occur in a pale beige muscovite or more commonly pale green, muscovite-chlorite matrix. Al_2SiO_5 appears to be mainly andalusite but locally I suspect some fibrolite. Proportion of biotite aggregates ranges 10-80% although generally they are 30-50%. Core slightly broken to intact with excellent recovery
	1706 5	1708 2 (215 9)		1218	10E9	ALTERED Noncalcareous, homogeneous, unfoliated, equigranular biotite quartz diorite. Medium-finely xlline. Moderately hard to hard. Disseminated fine black biotite is almost totally altered - only relict patches with biotite remain. Upper contact is fine bxa parallel S2. Lower contact is sharply discordant with orientation 30/205 wrt S2. Feldspars locally altered to opaque white. Core intact w/ excellent recovery.

DDH 89FX-03

CURRAGH RESOURCES INC.

Lithologic Log

Page 14

Date: Sept 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	7082	7193 (219)		29	10Q0	# MINOR (1CD8)(1CD0)(1F3 B10) 40:20:30:10
						Very heterogeneous unit with rapid changes between rock types.
						TOI - 710 is dark brown, biotite-muscovite-andalusite [andalusite]-quartz schist. Very soft, extremely
						biotite rich. Locally thinly banded with intermixed <1cm thin [?] garnetiferous bands.
						710 - 715 is dominantly 10Q0. Contains thin interbands of biotite-rich schist in
						upper part and greenish calcareous interbands in lower part (1F 3?). Calcite infills steep
						fractures.
						715 - 717 Soft, PS2-foliated, moderately calcareous, medium green chloritic schist.
						Contains thin discontinuous biotite streaks parallel S2. Represents thin metamorphosed
						metabasite.
						717 - EOI Moderately soft, PS2-foliated, greenish brown biotite-chlorite-quartz-Al_2SiO_5
						schist (1CD8). Banding poorly preserved because of extensive chlorite retrograding of biotite.
						Core moderately broken with good recovery
	7193	7319 (223)		10	10E	# 9
						Unfoliated, pale grey, medium finely xlline, equigranular biotite quartz diorite. Biotite
						constitutes about 15 %. Locally minor biotite partly retrograded to pale green chlorite.
						Below 725 feet biotite is totally altered - no mafics remain. Qtz diorite changes from
						hard to moderately soft. Feldspars altered to opaque white clays. Rock takes on a
						chalky white, pitted appearance with feldspars forming the pits.
						Upper contact intrusive, xcuts S2 with orientation 50/035 wrt S2. Lower
						contact is fracture bxa with extensive 1D4 type alteration. Orientation of contact
						10° wrt core axis.
						Core slightly to moderately broken with good recovery

DDH B9FX-03 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 25/89 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	171311 9	223 9 171314 7		1311	11D141	± BXA ±6
						Moderately soft to moderately hard, PS2-foliated, pale tan, noncalcareous, muscovite-quartz schist. Finely banded with thin grey-green bands alternating with muscovite-rich bands.
						Uppermost 1 foot of unit brecciated along steep fracture. Rotated ID4 and qtz vein clasts up to 3cm across in pale tan, fine-grained matrix. Alteration probably associated with hydrothermal movement along fracture/fault system.
						As go down DDH begin to get medium brown andalusite-biotite clots and bands elongate within S2 foliation. Make transition to next unit as alteration becomes less intense. Lower contact gradational.
						Core intact with excellent recovery.
	171314 7	239 9 171817 0		1312	11C1D1	±6 ±8 ± 4 (1F43) minor
						Moderately soft, PS2-foliated, noncalcareous, dark brown biotite-garnet-Al_2SiO_5-quartz ± muscovite ± chlorite schist. S2 surfaces are dark micaceous brown. Al_2SiO_5 (andalusite/fibrolite) associated with biotite to form elongate dark brown bands and aggregates parallel S2 foliation. Thinly banded with biotite-Al_2SiO_5 bands alternating with medium green chlorite-muscovite or pale tan muscovite bands. Banding on a scale of about 1cm.
						At 767 feet have 15cm of pale grey-green, calcareous, PS2-foliated, altered chlorite-muscovite schist. Interval incipiently rubbled related to rock type.
						Muscovite alteration with matrix increases near bottom of interval. Both upper and lower contacts are gradational.
						Core slightly broken with good recovery.

DDH B.9.EX-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	171817 0	242 4 171915 3		1313	1 1D141	± 6
						Moderately soft, PS2-foliated, pale tan, noncalcareous, thinly banded, muscovite-quartz schist. S2 surfaces are pale silvery cream. Banding marked by totally altered biotite-andalusite aggregates and bands. Locally, especially near top of interval have relict biotite-andalusite aggregates which are only partly retrograded. Alteration is to chlorite-muscovite and ultimately muscovite assemblage.
						Core slightly broken with good recovery. Note of loss of return at 793 feet.
						Minor fine streaky pyrite present in muscovite schist in very minor amounts.
	171915 3	243 3 171918 1		1314	1 1 0 1E1 19	ALTERED
						Moderately hard, equigranular, chalky white, medium xline feldspar-quartz intrusive. Former mafics (biotite) are totally altered. Feldspars are chalky white to very pale yellow. Upper contact irregular but xcuts S2. Lower contact irregular with thin bxa zone. Lower contact of bxa 55/270 wrt S2.
						Core moderately broken with good recovery.
	171918 1	254 1 181313 8		1315	1 1C1D1614	± 8 (1D4 ± 6) 60:40
						Symmetrical intersection w/ 1D4 being at top and bottom of interval. 1D4 is soft, PS2-foliated, pale tan, noncalcareous grt-muscovite schist. S2 surfaces are silvery cream. Can see relict biotite-Al_2SiO_5 clots which are totally altered to muscovite-quartz.
						As go towards center begin to get only partly altered biotite-fibrolite aggregates/clots. Proportion of biotite increases until it constitutes 50-60% of rock (1CD). Thinly banded w/ biotite-fibrolite bands alternating with pale beige muscovite or pale green muscovite-chlorite bands.
						Banding is on a scale of 1-5 cm.
						Core slightly to moderately broken with good recovery.

DDH B9EX-03 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 25/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	181313 8	256 181410 0		1316	110E191	ALTERED (1CD4) MINOR Moderately soft, unfoliated, equigranular, medium xlline altered intrusive. Biotite is totally altered to pale tan mineral. Feldspars are altered to chalky white or very pale yellow, soft clays(?) Contains inclusions of muscovite-rich schist with coarse pink andalusite. Inclusions are generally less than 5cm across. Core moderately broken with good recovery. Upper contact irregular, about 90° wrt core axis — xcuts S2. lower contact approx. parallel S2. lower contact offset on steep fractures w/ orientations 10/000 wrt S2.
	181410 0	257 181416 0		1317	111D141	6 MINOR (10E9) 80:20 ± BXA Major rock type is pale grey, noncalcareous, PS2-foliated muscovite-quartz schist. Texturally can see relict biotite-Al_2SiO_5 aggregates now totally altered to muscovite. locally can see a few relict biotite-andalusite clots which are only partly altered. In lowermost 3 feet of unit have bxa developed. large clasts of 1D4 schist. Matrix consists partly of fine grained, pale tan fault rock. locally matrix fine schist clasts consists of thin anastamosing network of altered, fine-grained 10E intrusive. Core moderately broken with good recovery.
	181416 0	267 181716 4		1318	1101E19	ALTERED Medium xlline, equigranular, unfoliated, altered qtz-feldspar-mafics intrusive. Mafics (biotite-hornblende) are almost totally altered to pale tan mineral. Locally fabric of mafics is preserved. Feldspars altered to chalky white or very pale yellow clays. Unit is noncalcareous. Contains numerous qtz-infilled steep fractures w/ orientations 20-25° wrt core axis. Qtz/fractures up to 2-3 cm thick. Core slightly broken with good recovery.

DDH 89-EX-03

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 25/89 Logged By: LCB

Code	From	To	Recov.	No.	Unit	Description
	181716	181810 (268)		1319	101E	
						Unfoliated, equigranular, medium xlline, hard, medium grey biotite-quartz diorite. Upper and lower contacts into more altered intrusive are gradational. Minor chlorite alteration on thin selvages on fractures. Minor calcite infilling thin fractures. Biotite 15%.
						Core slightly broken with good recovery.
	181810	191015 (276)		1410	101E191	(1020) 40:60
						Altered 10E similar to Unit # 3B (846.0 - 876.4) Unfoliated, equigranular, qtz-feldspar-mafics altered intrusive. Medium xlline. Mafics totally altered to pale tan mineral (formerly biotite). Feldspar generally altered to very pale yellow clays.
						Altered 10E contains abundant pegmatitic white bull qtz veins. Locally looks like 10E forms inclusions in veins. In one spot qtz is vuggy with tiny crystals growing inward into the void.
						Core moderately broken with good recovery.
	191015	191116 (279)		1411	101E	±6 ±9
						Medium grey, medium xlline, unfoliated, hard, equigranular biotite quartz diorite. Biotite about 5-10%.
						Along thin fractures have pale pink K-feldspar selvages up to 2cm wide. Also get retrograding of biotite to chlorite in these zones.
						Adjacent to qtz-filled fractures get alteration of biotite to pale tan mineral and alteration of feldspars to pale yellow to creamy white.
						Alteration becomes more extensive as you down DDH. Lower contact gradational and marked where biotite disappears.
						Core moderately broken with good recovery.

DDH B.9.E.X.-0.3 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 25/89 Logged By: LCP

From	To	Recov.	No.	Unit	Description
10 14	16 20	22 24	26 28	30 34	35
191.16 8	284 191.314 7 0		14.12	1.1.01.E.19	± 6
					Moderately hard, medium xline, creamy white, equigranular, altered quartz diorite. Mafics are totally altered to pale tan mineral. Feldspars altered to pale creamy white, opaque white. Locally feldspar altered to pale pink K-feldspar. Abundant 6 to ± calcite infilling fractures / veins. Fracture orientations ranges 10 - 25° to core axis.
					Upper and lower contacts are gradational. Contacts placed at where biotite appears and disappears.
					Core moderately broken with good recovery.
191.314 0	304 1.10.10.10 8 1		14.13	1.1.01.E.1	± 6 MINOR ± CHLORITE MINOR
					Hard, medium dark grey, medium xline, noncalcareous, equigranular, unfoliated, biotite-hornblende quartz diorite. Hornblende forms randomly oriented elongate prisms which tend to weather pale tan - hornblende partly to completely surrounded by fine biotite.
					locally has steep fractures infilled by calcite-quartz. Fractures typically have chloritic alterations selvage. Some fractures also have pink K-feldspar selvage inside the chloritic selvage against the wall of the fracture. With more extensive alteration the rock becomes crumbly, feldspars have a chalky white to greenish colour, and often the core is slightly to moderately swollen.
					Mafic content of intrusive about 5-15%. Core slightly to moderately broken with good recovery. Fractures are 5-20% wrt core axis.
1.10.10.10 1	309 1.10.11.16 7 0		14.14	1.1.01.E.1	6 "CHLORITIC"
					Drilling right down fracture / fault within 10E. Fracture fault system up to 3cm wide. Multiple opening of system so get seems fine quartz and white calcite forming separate bands. Locally some bxn developed with small clasts within the fracture.

DDH 89-EX-03

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 26/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
		1101160		1414		infilling. Margins of 10E away from fracture have extensive alteration of biotite to chlorite. Feldspars are also green. Immediately adjacent to fracture have thin selvage in 10E of pale pink K-feldspar. Minor pyrite on margins of fracture and within fracture.
						Growth or movement "ridges" within fracture suggest horizontal movement/slip along the fracture.
						Upper and lower contacts gradational as drill hole slowly moves away from this particular fracture system.
						Core slightly to moderately broken with good recovery.
	1101160	318 1 1101413 5		1415	1101E1	±6 ± "CHLORITIC"
						Exactly the same as Unit # 43 (934.0 - 1000.1) Medium xlline, nonfoliated, medium grey, equigranular, biotite-hornblende quartz diorite. Biotite > hornblende. Mafics about 10-15%. Hornblende has partial to complete rim of fine-grained biotite.
						Thin calcite infilled fractures have narrow selvages of chlorite alteration. Locally inner margins of these selvages contain pink K-feldspar. Selvage thickness ranges up to 3 cm (one side). K-feldspar thickness generally 1cm or less.
						Core slightly broken with good recovery.
	1101413 5	321 3 1101514 0		1416	1101E1019	(10E APLITE) 80:20
						Biotite-hornblende quartz diorite slightly altered by thin calcite-quartz infilled fractures/faults. Biotite retrograded to chlorite. Feldspars altered to yellowish green colour (possible epidote). Locally fractures have thin K-feldspar margin less than 1cm thick.
						Subparallel to the fractures have a fine-grained, medium grey, biotite aplite (?)

DDH B.9.F.X.-.03 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Sept 26/89 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	
		11 1319 90	P S 2	–			5 3	S2 = micaceous schistosity / foliation
		20 1617 40	P S 2				4 5	S2 = micaceous schistosity / fol.
		28 912 80	P S 2				5 4	11
		29 1918 90	P S 2	S		2 5 3 1 5	5 7	S2 = micaceous foliation S1 = compositional banding
		46 1312 20	P S 2				5 2	S2 - micaceous foliation
		41 1316 50	P S 2	S		1 7 1 0	5 3	S2 - micaceous foliation S1 - composite banding
		51 1618 20	P S 2				5 1	S2 - micaceous foliation
		54 1718 30	P S 2				5 3	S2 - micaceous foliation
		62 2015 50	P S 2	S		2 3 3 3 5	4 7	S2 - micaceous foliation S1 - compositional banding
		65 216 80	P S 2				4 4	S2 - micaceous foliation
		73 2412 80	P S 2				5 1	S2 - micaceous foliation
		78 2516 00	P S 2				5 2	S2 - micaceous foliation
		83 2714 50	P S 2				4 9	S2 - micaceous foliation
		85 2719 00	P S 2				4 9	S2 - micaceous foliation
		92 3012 00	P S 2	S		2 0 3 1 0	5 4	S2 - micaceous foliation S1 - compositional bedding
		101 3134 80	P S 2				5 1	S2 - micaceous foliation
		106 3149 40	P S 2				5 8	S2 - micaceous foliation
		110 3162 30	P S 2				5 6	S2 - micaceous foliation
		117 3186 70	P S 2	M		1 0 3 0 5	5 9	S2 - micaceous foliation S1 - compositional banding
		121 3919 60	P S 2	S		4 5 3 2 7	4 9	S2 - micaceous foliation S1 - compositional banding
		127 4118 40	P S 2				5 1	S2 - micaceous foliation
		135 4146 90	P S 2				7 1	S2 - micaceous foliation
		140 4610 20	P S 2				5 2	S2 - micaceous foliation
		145 4716 10	P S 2	S		3 6 1 0	5 4	S2 - micaceous foliation S1 - compositional banding
		152 5011 70	P S 2				5 5	S2 - micaceous foliation
		157 5116 30	P S 2				5 8	S2 - micaceous foliation
		164 5318 00	P S 2				4 7	11
		168 5512 20	P S 2	S		4 5 3 2 5	6 8	S2 - micaceous foliation S1 - compositional banding
		172 5617 80	P S 2	S		3 5 1 0	6 5	11
		181 5916 70	P S 2	S		3 6 1 0	5 9	11
		185 6110 90	P S 2	M		1 0 1 0	6 5	11
		189 6216 80	P S 2				5 6	S2 - micaceous foliation
		199 6513 00	P S 2	M		1 0 1 0	5 7	S2 - micaceous foliation S1 - compositional banding
		201 6612 80	P S 2	S		5 7 1 0	6 5	11
		209 6816 10	P S 2	S		4 5 1 0	6 4	11
		214 7014 60	P S 2				5 9	S2 - micaceous foliation

DDH 89 FX-03 (2 — 8) — CURRAGH RESOURCES INC.

Page _____ of _____

Structural Log

Date: 26 Sept '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	
	218	717	PS2				65	S2 - micaceous foliation
	227	746	PS2				57	"
	233	766	PS2				59	"
	238	783	PS2				56	"
	241	792	PS2				64	"
	247	812	PS2				510	"
	253	832	PS2				56	"

DDH 89FX-03 — CURRAGH RESOURCES INC.

Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY)

Date Sept 25/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10–14	16–20	22–26	28–30	32–34	36–40	42
	1432 5 (131 8)	1437 0 (133 2)	37257	45	45	1D4 19	MINOR
	1437 0 (133 2)	1441 3 (135 1)	37258	61	61	1D4 19	MINOR
	1441 3 (135 1)	1447 0 (136 2)	37259	39	40	1CD416	Au only
	1447 0 (136 2)	1451 5 (137 6)	37260	45	45	1CD416	
	1451 5 (137 6)	1455 6 (138 9)	37261	41	41	1CD416	
	1455 6 (138 9)	1461 3 (140 3)	37262	47	47	1CD416	
	1461 3 (140 3)	1464 7 (141 6)	37263	44	44	1CD416	
	1464 7 (141 6)	1468 5 (142 8)	37264	38	39	1CD416	
	916 8 (279 4)	921 5 (280 9)	37265	47	47	10E91	Au only
	921 5 (280 9)	921 6 (282 1)	37266	41	41	10E91	
	921 6	931 0 (283 5)	37267	44	44	10E91	
	931 0	931 6 (284 7)	37268	40	40	10E91	
	931 0	941 5 (287 6)	37269	95	95	10E	fresh

C.R.I. 1987 E-5

PROJECT _____ DRILLHOLE NO. B9FX-03 COORDINATES: N _____ DATE Sept 24 1989

LOCATION _____ HOLE SIZE NQ E _____ PAGE 1 of _

LOGGER LCP INCLINATION -90 ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
31	6	E.O.															CASING – TRICONED
37		5.2		3.2			12		D						2		
47		10.0		6.7			11		E						3		
54.5		7.0		2.5			11		C						2		
63		8.0		6.4			12		D						0		
71.5		8.3		5.9			12		E						1		
81		3.6		1.9			6		D						1		MISMATCH
90		9.0		5.0			10		D						4		
100		10.0		9.5			13		F						0		
110		10.5		10.0			13		F						1		
120		8.3		6.3			10		D						1		
127		7.3		7.3			13		F						0		
137		10.2		9.4			15		F						0		
147		10.5		10.2			15		F						0		
157		10.1		10.1			15		F						0		
167		10.0		9.7			12		F						0		
177		10.0		10.0			13		F						0		
187		10.2		8.5			12		E						6		
197		10.0		7.7			12		E						5		
207		9.9		9.1			13		F						0		
217		10.3		10.0			14		F						3		
227		10.2		9.2			12		F						2		
237		9.8		7.8			12		F						2		
247		10.5		6.3			13		E						5		
257		9.8		7.6			14		F						5		
267		10.1		8.8			14		F						1		
277		10.0		8.7			12		F						0		
287		10.5		8.3			13		F						1		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89FX-03 COORDINATES: N _____ DATE Sept 24 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of _

LOGGER LCP 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.	
297		10.3		8.8			12		F						0		
307		10.2		9.8			14		F						0		
317		10.1		10.0			14		F						1		
327		10.1		10.2			13		F						2		
337		10.2		8.5			12		F						8		
347		10.2		8.9			12		F						5		
357		10.0		8.6			12		F						4		
361		4.0		3.4			12		F						0		
367		6.0		5.5			13		F						1		
377		10.1		9.1			13		F						5		
387		10.4		5.2			10		F						9		
397		9.9		8.6			13		F						2		
407		10.0		9.6			14		F						2		
417		10.1		8.8			12		F						2		
427		9.9		8.7			11		F						2		
437		10.0		8.6			11		F						3		
447		10.0		7.5			11		F						4		
457		9.9		8.0			12		F						4		
467		10.0		9.3			14		F						4		
477		10.0		9.1			14		F						2		
487		10.1		9.8			14		F						0		
497		9.9		9.0			14		F						4		
507		10.1		9.6			13		F						4		
517		10.2		9.1			13		F						1		
527		10.0		9.2			12		F						2		
537		10.4		9.8			12		F						0		
547		10.4		9.4			13		F						1		
557		10.0		9.2			12		F						1		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 87-FX-03 COORDINATES: N _____ DATE Sept 25 1987

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of _

LOGGER LCP 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.	
567		10.0		8.6			13		F						0		
577		10.2		10.2			14		F						1		
587		10.0		9.8			13		F						0		
597		10.2		9.7			14		F						1		
607		10.3		9.2			12		F						1		
615		8.1		6.4			11		F						2		
617		1.8		1.7			11		F						0		
627		10.5		9.6			12		F						2		
637		9.7		6.0			11		F						7		
647		10.4		10.2			13		F						0		
657		10.0		9.6			15		F						0		
667		10.0		9.9			15		F						0		
677		10.2		10.2			15		F						0		
687		9.9		9.5			15		F						0		
697		10.2		10.2			14		F						1		
707		10.2		10.0			14		F						1		
717		10.0		7.6			11		F						0		
727		10.4		10.0			14		F						3		
737		10.0		8.4			13		F						7		
747		10.1		9.8			15		F						0		
757		10.1		9.9			14		F						0		
767		10.1		9.7			15		F						0		
777		10.2		10.0			14		F						0		
787		10.2		10.2			15		F						0		
797		10.1		9.0			13		F						7		
807		10.0		8.9			12		F						1		
817		10.0		9.7			13		F						1		
827		10.0		9.5			13		F						1		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-FX-03 COORDINATES: N _____ DATE Sept 25 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 4 of 4

LOGGER LCP 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.	
857		10.0		10.0			13		F						2		
847		9.9		9.6			13		F						5		
857		9.9		9.8			14		E						3		
867		10.0		10.0			13		F						2		
877		10.0		8.8			13		F						2		
887		10.1		9.9			13		F						1		
896		9.0		7.7			12		E						6		
906		10.0		8.2			12		E						5		
916.5		10.3		9.3			13		F						4		
926.5		10.0		9.8			13		F						7		
937		10.2		9.3			12		E						4		
947		10.5		9.5			12		E						7		
957		10.2		9.6			12		E						8		
967		9.8		6.7			11		F						10		
977		10.1		9.6			13		E						4		
987		9.9		9.5			12		E						8		
997		10.2		10.0			14		F						4		
1007		10.2		9.6			12		F						4		
1017		10.2		9.9			13		F						5		
1027		10.0		9.5			13		F						4		
1037		10.1		10.0			14		F						1		
1047		10.2		9.7			14		E						3		
1054		7.3		7.0			13		F						1	/	

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89EX-04

Reference Fabric Orientation Diagram:

Project: FARO NORTHWEST

Lost circulation @ 1100 feet

Location: NW of FARO PIT

Claim: _____

UTM ~~Terr.Plane~~ Co-ords.: 6,915,740.5 N

583,655.8 E

Grid Co-ords: _____

Elevation: 1367.0 m.

All symmetry determinations looking

Total Depth: 1036 feet (376.7m)

_____ with _____ dipping

Inclination: -90° (Vertical)

_____ with dip azimuth _____.

Purpose: Test for floor to 10E dyke

Reason hole Terminated: Budget reached

Logged by: LCP

Date(s) Logged: SEPT 26-27, 1989

Drilling Contractor: ARCTIC

Size	CORE From	To	
NW	0	55	feet
NQ	55	1036	feet

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 30/89 Completed: Sept 5/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89-FX-04

Date: _____ Logged By: _____

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

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R		10 0	-91 0	10 0	AT COLLAR
R		66 21/8 4	-81 5	313 7 10	SPERRY SUN
R		127 141/8 4	-81 7	312 9 10	SPERRY SUN
R		188 61/8 4	-81 0	311 7 10	SPERRY SUN
R		249 181/8 3	-81 7	314 6 10	SPERRY SUN
R		310 101/8 3	-81 5	314 4 10	SPERRY SUN
R		371 121/8 2	-81 0	313 1 10	SPERRY SUN
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 B.9.E.X.-0.4 (2 8 FEET)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 24/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	15 15 0		1 1	#1	TRICONED – NO RECOVERY
	15 15 0	16 19 3 1		1 2	1 1 0 1 E	VERY WEATHERED Medium xlline, equigranular, nonfoliated, biotite-hornblende quartz diorite. All surfaces have weak to strong orange-brown weathering coat. Where weathering colour is bright orange rock is very friable – breaks into "arkosic" sand along grain boundaries. Intervals of sand extend for up to 70cm. Natural fractures/joints have stronger orange iron oxide weathering stain. Feldspars are orange. Hornblende is pale brown. Core moderately broken. TOI –59. // 59–EOI very broken, rubbly, sandy Recovery OK for entire interval
	16 13 1	32 6 1 1 0 1 7 1		1 3	1 0 1 E	± 9 SLIGHTLY WEATHERED Medium xlline, unfoliated, equigranular biotite-hornblende quartz diorite. Generally medium to pale grey. Natural fracture surfaces have orange brown surface weathering coat. Locally feldspars are altered to a soft chalky white clays and mafics are partly to completely destroyed. Locally have 10cm intervals where qtz diorite consists of chalky white sand where rock has totally "disintegrated" Core very broken with rubbly and sandy intervals. Recovery seems OK Weathering is more localized – can begin to see alterations through the weathering coat
	1 1 0 1 7 1	41 8 1 1 3 1 7 0		1 4	1 1 0 1 E 9	ALTERED Chalky white, unfoliated, equigranular, medium xlline quartz diorite. Only very minor relic biotite remains in local intervals. In most of intervals mafics are totally altered & not present. Feldspars altered to soft, chalky white or very pale yellows clays. Upper and lower contacts gradational – placed where biotite disappears and feldspars

DDH 89-EX-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 27/89 Logged By: HCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		113170		14		become very altered. Natural fractures locally have orange-brown weathering stain locally some fractures have bxn textures developed. Also very locally rubbly and sandy for 5-10 cm intervals.
					TOI - 129.5 mod. broken with short rubbly intervals. Recovery OK. // 129.5 - EOI. Slightly broken with excellent recovery
	113170	114160		15	1101E	09 SLIGHTLY ALTERED
						Medium grey, medium xlline, nonfoliated biotite - hornblende quartz diorite. Mafics 1-10% with biotite > hornblende locally mafics almost totally altered so only a small amount of relict biotite remains. Alteration decreases as go down DDH. Feldspars start out dully white and gradually change to opaque white and then a moderately translucent grey. Thin fractures are infilled with calcite.
						Core slightly broken with excellent recovery
	114160	116183		16	1101E	FINE GRAINED [INCLUSION]?
						Finely xlline, dark grey, unfoliated, biotite quartz diorite. Marginal contacts with IOF are reasonably sharp. Contains scattered biotite and feldspar phenocrysts up to 0.5 cm across. locally slightly altered in narrow selvage adjacent to thin calcite infilled fractures. Selvage is pale greenish grey and typically less than 1 cm thick. Also have zones of more extensive alteration where entire core slightly altered.
						Phenocrysts < 5%. Mafics 20-30%.
						Unit reminds me strongly of inclusions / xenoliths
						Core moderately broken with good recovery.

DDH 89-FX-04

CURRAGH RESOURCES INC.

Lithologic Log

Page 5

Date: Sept 27/89 Logged By: NCP

Code	From	To	Recov.	No.	Unit	Description
	168.4	211.9 6 (66 8 written above)		17	10E	±69 MINOR
						Medium xlline, nonfoliated, medium grey biotite-hornblende quartz diorite. Mafics 5-10% with biotite >> hornblende. Hornblende grains partly to completely enclosed by fine-grained biotite. Narrow fractures are locally infilled with calcite.
						Locally altered with retrograding of biotite to chlorite and development of pink K-feldspar. Alteration dominantly along narrow fractures, although in some instances it seems more pervasive.
						TOI-192.5 core slightly broken with good recovery // 192.5-195 core very broken and rubbly due to alteration and steep fracture - recovery OK //195-EOI core slightly broken with good recovery.
	211.9 0	216.0 1 (79 3 written above)		18	10E	(10E FINE GRAINED) 65:35
						Medium xlline, unfoliated, medium grey biotite-hornblende quartz diorite. Mafics 5-15% with biotite >> hornblende. Biotite is dark black. Hornblende is medium to pale brownish green. Hornblende typically is partly to completely surrounded by biotite. Minor potassic alteration - chlorite + K-feldspar locally associated with thin fractures.
						Contains interbands of Unit # 6 (146.0 - 168.4) Finely xlline, biotite quartz diorite. Scattered phenocrysts of biotite and feldspar constitute < 5% of unit. Fine, unfoliated biotite in matrix constitutes 20% and helps give unit a dark grey colour. Definitely more mafic than more coarsely xlline 10E. Marginal contacts are sharp - smooth - straight or slightly convexly curved. Greatest length is 3 feet - some intervals are less than 1 foot.
						Possibly going through interval with numerous xenoliths / inclusions?
						Core moderately broken with good recovery.

DDH 89 FX - 04

CURRAGH RE̲S̲OURCES INC.
Lithologic Log

Date: Sept 27/89 Logged By: NP

Code	From	To	Recov.	No.	Unit	Description
	121610	121617 (81 4/0)		9	110E19	±6 ALTERED "CHLORITIC"
						Altered biotite-hornblende quartz diorite. Biotite and hornblende retrograded to chlorite and then "removed" through alteration. Extensive green chlorite in matrix. Locally extensive pink K-feldspar as 1-3cm selvage to fractures.
						Alteration associated with steep fractures. One fracture 3cm wide and filled with calcite. Calcite locally vuggy with crystals growing inward into cavity. Calcite filled fracture has 2cm thick bxa zone on one side. Angular clasts of altered 10E in fine, pale tan matrix. Looks like clasts have not moved far.
						Calcite fracture has orientation 10° wrt core axis.
						TOI - 263.5 Moderately broken with good recovery // 263.5 - EOI Very broken and rubbly with good recovery.
	121617 0	131911 (119 5/9)		10	110E1	± 9 MINOR (10E FINE GRAINED) TRACE
						Medium xlline, medium grey to medium dark grey, unfoliated, biotite-hornblende quartz diorite. Hornblende grains partly to completely rimmed by fine biotite. Biotite >> hornblende. Mafics 10-15%.
						Fresh rock is dark grey. Especially in upper ½ of unit have faint alteration overprint associated with steep fractures running down the core axis. Biotite retrograded to chlorite. Feldspars have pale green colour and are much softer. Some bxia development and minor displacement occurs along the fractures.
						10E contains ovoid inclusions of fine grained, dark grey, biotite qtz-diorite — exactly same as unit # 6. Most inclusions are 5cm or less in size although one is 15cm.
						TOI - 286.5 slightly broken with good recovery // 286.5 - 288 very broken - recovery good // 288 - 306 mod broken - recovery good // 306 - 318.5 mod broken to very broken - recovery good // 318.5 - EOI slightly broken with good recovery.

DDH 89-EX-64

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 27/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131911 9	124 141017 0		111	1101E	(10E 6.9) 70:30
						Medium grey, medium xlline, unfoliated biotite-hornblende quartz diorite. Mafics about 5% with biotite >> hornblende. Feldspars overall have faint greenish, slightly altered tinge.
						Contains intervals of extensively altered, sheared quartz diorite. Intervals with best developed shear zones are 391.9-392.9 and 403.5-404.5. Mafics totally altered to chlorite. Extensive development of pale pink K-feldspar. Shear margins 30-35° wrt core axis. Locally bxa texture w/ altered 10E clasts in a 10E mud gouge matrix. Probably not major faults. Shear zones are calcareous.
						Minor development of K-feldspar selvages along narrow fractures locally. Total width of selvage and fracture 3-4cm.
						Core slightly broken with good recovery
	141017					
	141017 0	129 141215 5		112	1101E	
						Medium xlline, unfoliated, medium dark grey, hard, noncalcareous biotite-hornblende quartz diorite. Hornblende pale green to yellowish with dark biotite rim — probably partly altered. Biotite very dark brown. Mafics 5-10%. Coarse biotite (up to 0.5cm) as well as fine biotite (1-3mm).
						Minor thin fractures infilled by calcite.
						Core slightly broken with good recovery.
	141215 5	130 141217 5		113	1101E	(10E FINE - "MARGINAL")
						Same 10E as described above for Unit # 12 (407-425.5)
						Contains 1cm thick dyke of dark brown aphanitic biotite intrusive. Scattered phenocrysts of biotite and pale grey feldspar. Irregular, sharp margins — sends small apophyses into 10E — also contains a few 10E inclusions. Dark brown aphanitic matrix is very similar to

DDH B9FX-04

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 27/89 Logged By: MCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		141217.5		113.		unit mapped and logged as chilled marginal phase of 10E dyke.
						Minor potassic alteration with development of K-feldspar and chlorite affects both the 10E and the fine grained marginal phase intrusive dykes.
						Core moderately broken with excellent recovery.
	141217.5	131 141311.4		114	110IE	
						Medium grey, medium xline, non foliated quartz diorite. Biotite - hornblende. Biotite > hornblende. Mafics about 5%. Slight alteration overprint with some biotite altering partially to chlorite and minor recrystallizing of feldspars.
						Core moderately broken with good recovery.
	141311.4	138 141557.9		115	110IE	FINE - "MARGINAL"
						Hard, dark brown, aphanitic, porphyritic dyke. Crowded with euhedral to subhedral, 1-2 mm white feldspar microphenocrysts. Contains minor, scattered, dark brown biotite phenocrysts. Overall colour is reddish tinged brown. Feldspars also have faint reddish hue locally - possibly due to hematite? Feldspar phenocrysts are slightly calcareous. Minor thin calcite infilled fractures.
						Marginal contacts are sharp. Upper contact 30° wrt core axis. Lower contact 20° wrt core axis.
						Unit similar texturally and "mineralogically" to what has been previously logged and mapped as chilled marginal phase of 10E. Only here marginal contacts are sharp rather than gradational.
						Core moderately broken with good recovery. Core breaks into angular chunks along fractures.
	1415					

DDH B9-EX-014

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 27/89 Logged By: MP

Code	From	To	Recov.	No.	Unit	Description
	14515 7	139 14517 9		116	1B1X1A1	
						Bottom contact of previous unit is tectonic brx. Clasts include 1OE, foliated 1C, foliated 1E — ie. some clasts look like green metabasite and brown biotitic schist. S2 foliations randomly oriented. Clasts are rounded. Maximum clast size up to 3-4 cm across.
						Possibly clasts dragged up along margin of 1OE FINE-MARGINAL during intrusion. Or possibly major fault? Doesn't look like major fault.
						Core moderately broken with good recovery.
	14517 9	211 16913 9		117	1101E1	± 9 minor
						Medium x/line, medium grey, non foliated biotite-hornblende quartz diorite. Biotite > hornblende. Hornblende grains rimmed by fine biotite. Mafics 5-10%. Locally small, round, fine grained biotite-rich inclusions.
						Locally slightly altered with loss of mafics and conversion of feldspars to clays along narrow fractures. Some fractures infilled with calcite.
						Core slightly broken to moderately broken with good recovery.
	16913 9	212 16917 5		118	1101E1	6 9 "CHLORITIC"
						Extensive alteration associated with thin fracture running down the core axis. Zoned alteration pattern away from fracture. Furthest away, biotite altered to medium green to pale green chlorite. Feldspars have a faint greenish tinge. Slightly closer in, feldspars are bright pink — K-feldspar. Biotite still retrograded/altered to medium green chlorite. Adjacent to fracture extensive growth of fine grained, very dark green chlorite. Zoning irregular with innermost zone not always present. K-feldspar + pale green chlorite zones may extend across entire width of core. Fracture contains green chlorite + calcite. Core slightly broken, with good recovery.

DDH BG-EX-04 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 27/89 Logged By: MCP

Code	From	To	Recov.	No.	Unit	Description
1.	10 14	16 20	22 24	26 28	30 34	35
	169175	171616 (233) 89		119	1101E	
						Medium xline, medium grey, nonfoliated biotite-hornblende quartz diorite. Biotite very dark brown. Biotite > hornblende. Mafics 5% - 10%. Hornblende more totally recrystallized, margins consist of fine biotite and cores contain calcite.
						Minor alteration of feldspars to chalky white clays immediately adjacent to very thin calcite-infilled fractures. Fractures tend to be steep - proceed down core axis with very shallow angle.
						Core slightly broken with good recovery
	171616 9	181143 (248) 23		1210	1101E	(10E 9 ±6 SHEARED) 70:30
						Major rock type is same as described above in Unit # 19 (697.5 - 766.9).
						Contains zones up to 1m thick of extensive alteration associated with fracturing and incipient shearing. Biotite first goes to chlorite and then "disappears" as altered to pale tan mineral (muscovite ?). Feldspars first become chalky white and then become faint pink and lime/lemon yellow. Feldspars probably altering to epidote minerals. Irregular fractures are infilled with white calcite. Extensive fine fracture locally see some movement so tend to get phi eyes in sheared matrix. Slickensides on some of calcite-filled fractures have angle of 70° wrt core axis — indicates significant strike slip component to movement. Fracture/shear zones are 10° - 20° wrt core axis.
						Core slightly to moderately broken with good recovery. Not a major fault zone.
	181143	181197 (249) 87	L	1211	1101E	MEDIUM FINE
						Medium fine xline, hard, dark grey, nonfoliated biotite-hornblende quartz diorite. Distinguished from regular 10E by slightly finer grain size, more abundant fine biotite in matrix, which leads to darker grey colour. Scattered biotite phenocrysts up to 2mm across in finer, more biotite-rich matrix. Hornblende still present and still calcareous in core. Mafic content

DDH 89EX-04

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 27/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
		181119 7		211		30-40%. Contains fine calcite-infilled fractures. Marginal contacts with medium xlline "regular" 10E are sharp. Phenocrysts only 1-3% Core slightly broken with good recovery. Not as fine grained nor as mafic as inclusions/xenoliths at top of DDH.
	181119 7	250 9 181213 2		212	1101E	
						Medium xlline, medium grey, unfoliated, biotite-hornblende quartz diorite. Mafics 5% with biotite > hornblende This is what has been logged as normal 10E Core moderately broken with good recovery
	181213 2	266 1 181712 9		213	1101E	MEDIUM FINE
						Medium finely xlline, dark grey, unfoliated, hard, biotite-hornblende quartz diorite. Same as Unit # 21 (814.3 - 819.7) Scattered biotite phenocrysts only 1-2% Much more abundant biotite as finer grains in matrix - 30% Very minor hornblende present — cores of hornblende grains are slightly calcareous Marginal contacts are sharp. Thin fractures are infilled with calcite Interval 848-858 is medium green as biotite retrograded to chlorite and feldspars altered in association with abundant calcite infilled fractures. Core slightly broken with good recovery
	181712 9	271 9 181912 0		214	1101E	
						Medium xlline, medium grey, nonfoliated biotite quartz diorite Mafics 5%-10% "Normal" 10E as logged Minor thin calcite infilled fractures. Core slightly to moderately broken with good recovery.

DDH B9EX-04 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 27/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	181912 0	281 191212 0		1215	1 1 0 1 E 1	MEDIUM FINE Similar to Units # 21 (814.3-819.7) and # 23 (823.2-872.9). Medium dark grey, medium finely xlline, unfoliated biotite quartz diorite. Only 1% scattered biotite phenocrysts. Biotite in matrix 30-35%. Definite mottled appearance as matrix biotite poorly outlines grey feldspar grains. Minor fine fractures infilled with calcite. Not altered. Core slightly broken with good recovery.
	191212 0	315 1101314 2 0		1216	1 1 0 1 E 1	± 9 MINOR Medium xlline, unfoliated, medium grey, biotite - hornblende quartz diorite. Mafics are biotite >> hornblende. Mafics 5% or so. Locally plagioclase feldspar altered to soft, opaque white clays. Alteration associated with small calcite ± quartz fractures. Core slightly broken with good recovery.
	[illegible]	[illegible]		1217	1 1 0 1 E 1	Below 945.7 unit is slightly more mafic with slightly greater amounts of biotite. Mafics 10-15%. Not as mafic as 10E Medium Fine. Transitional between what has been logged as 10E and 10E Medium Fine in this DDH.
	1101314 0	319 1101417 3 5		1217	1 1 0 1 E 19	"CHLORITIC" Both upper and lower contacts are gradational. Same 10E biotite quartz diorite only more altered. Uniform colour is greenish grey. Biotite altered to medium green chlorite. Feldspar altered to mixed assemblage including calcite, epidote, opaque white clays. Calcite infills fractures. Feldspar alteration varies from dominantly clays to dominantly epidote minerals. This unit is transitional between more intensely altered next unit and reasonably fresh previous units. Core slightly to moderately broken with good recovery.

DDH 89EX-014 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 27/89 Logged By: WCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	110417 5	324 110614 4/2		218	1101E19	ALTERED
						Moderately soft to moderately hard, unfoliated, creamy yellowish white, highly altered IDE intrusive. Entire unit slightly to moderately calcareous. Biotite altered to pale tan, soft mineral (?) Feldspars altered to calcite, epidote (?), clays (?) Feldspar soft chalky white to pale lemon yellow
						Minor calcite veins and fractures associated with alteration. Some minor shearing and brec developed in association with the fractures. Fractures are steep — nearly parallel core axis.
						Minor thin intervals where relict biotite is preserved although feldspars are still altered.
						Core slightly broken with good recovery.
	110614 2	326 110711 5/2		219	1101E09	SLIGHTLY ALTERED
						Less altered biotite quartz-diorite. Biotite and feldspars overall look reasonably fresh. Medium xlline, pale grey Mafics 15%. Extensive alteration adjacent to thin calcite infilled fractures.
						Can see shear bands developed in this unit. Thin zones where begin to get a foliation. Dominantly quartz ribbons with some biotite alignment. These bands are about 0.5 cm thick. They form an anastomosing network Dominantly oriented about 50° wrt core axis.
						Core slightly broken with good recovery. Not good shear bands because irregular — not planar Suggest more fracturing — bi-lateral.
	110711 2	332 110910 5/4		310	101E19	PYRITE MINOR SILICA
						Highly altered, equigranular IDE dyke. Biotite totally removed. Locally see relict pale tan grains. Feldspars totally altered to soft, chalky white clays. Initially have some calcite development but with increasing alteration the material becomes non-calcareous.

DDH 8 9 F X - 0 4

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 28/89 Logged By: LSP

Code	From	To	Recov.	No.	Unit	Description
						Begin to have an anastomosing network of fine-grained, pale grey silica infilled
						fractures. Irregular outlines. Commonly silica bxiated so have fine, angular
						silica clasts in silica matrix. Locally fractures contain thin streaks of fine
						pyrite as well as silica. Silica starts to constitute up to 30-40% of unit.
						Extensive irregular silica flooding. Irregular pattern and extensive microbxiation
						combined give suggestion of continued mainly dilational fracturing and precipitation.
						Core moderately broken with good recovery.
	110910 4	(338 4) 11110 2		311	110Q1019	± FLUORITE (10E 9) 90:10
						Cored right down fracture system infilled with fine-grained (= chalcedonic) grey
						silica. Finely banded / laminated parallel fracture walls. Abundant bxa texture with
						small angular clasts of highly altered 10E and silica in the silica matrix. Locally vuggy
						with small xtals growing into the voids.
						Near 1102 contains faint pink/purple fluorite infilling fractures later than
						grey silica fractures. Fluorite is matrix for grey silica and altered 10E angular clasts
						with bxa texture.
						Pyrite forms irregular thin stringers and aggregates in all of the rock types. Forms
						irregular stringers cutting across 10E, silica fractures, fluorite fractures.
						Core moderately to very broken with good recovery
						Drill has fracture system going down core axis. Voids, irregular fracture network,
						lack of shearing planes & textures indicates mainly dilational stress regime
	11110 2	(345 3) 1113 3 0		312	101E 9	
						Extremely altered, creamy white, soft, noncalcareous, equigranular intrusive. Mafics are totally
						destroyed — left with equigranular quartz and soft white clays. Locally have small
						thin, very irregular, light grey, silica-infilled fractures.

DDH 89EX-04

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 28/89 Logged By: LLP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		1113130		1312		TOI - 1129. Very broken and rubbly. Core disintegrates readily because of extreme alteration. Recovery OK
						1129 - EOI moderately broken with good recovery. Core holds together better because of more extensive thin, irregular silica infilled fractures.
	1113130	348 2 1114124		1313	1101Q1019	(10E9) 70:30
						Similar to Unit # 31 (1090.4 - 1115.1) Drilling shows fine grained grey quartz/silica infilled fracture system in highly altered 10E dyke. Fine colour laminations in shades of grey in silica parallel margins of fracture. Silica typically has brx texture with angular clasts of silica and highly altered 10E dyke. Minor vuggy aspect to silica in fractures with some voids being preserved. Pyrite locally disseminated as aggregates and stringers in quartz and altered 10E matrix. No fluorite noted.
						10E is highly altered, creamy white, equigranular quartz and soft chalky white clays. Contains anastamosing, irregular network of fine, irregular, pale grey quartz infilled fractures. Pyrite stringers xcut both 10E and qtz-infilled fractures.
						Core moderately broken with good recovery
	1114124	354 3 1116125		1314	1101E19	SILICEOUS
						Same as Unit # 32 (1115.1 - 1133.0) Highly altered, non-calcareous, soft to hard, intrusive. All mafic minerals destroyed. Equigranular quartz and chalky white clays after feldspar.
						Abundant irregular, fine, anastamosing fractures infilled with pale grey silica. Gives incipient brx texture with 10E angular clasts within a fracture network.
						Minor thin lake pyrite stringers.
						Core slightly broken with good recovery.

DDH 89-EX-014

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 28/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	111612 5	362 111819 5		1315	1101Q1013	(10E 9) 60:40
						Transitional unit between #33 ( ) and #34 ( ).
						Contains intervals of grey, silica infilled fractures. Compositional banding parallel margins of fracture. Similar to Unit #33
						Most of unit, however, corresponds to highly altered 10E dyke with abundant, fine, anastomosing network of pale grey, quartz-infilled fractures. Incipient brx texture. Anastomosing fractures commonly have internal brx. texture with clasts of 10E and grey silica within a fine, pale grey silica matrix. Some vugs in the fracture network.
						locally have a few shearing textures — Development of foliations with some shear bands — C-S fabric. But these fabrics are very localized and very minor.
						TOI-1170 core moderately broken with good recovery // 1170-1173 very broken on steep fractures with good recovery // 1173-EOI slightly broken with good recovery.
						Incipient gouge developed at 1187 for 1 foot interval — related to zone of shear fabric development
	111819 5	365 111917 6		1316	1101E191	± *
						Moderately soft, locally slightly calcareous, creamy white, highly altered 10E dyke. Unfoliated. Mafic minerals are totally destroyed. Left with equigranular pale grey quartz and soft, chalky white clays. Upper contact reasonably sharp with disappearance of fine anastomosing network of quartz-infilled fractures. Lower contact gradational with appearance of biotite. White feldspars still altered to chalky white clays.
						Core slightly broken with good recovery.

DDH 89-EX-04

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 28/89 Logged By: NLP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	111976	123763 76		1317	1101E	"MEDIUM FINE"
						Hand, medium-fine grained, dark grey, unfoliated biotite quartz diorite. Mafic content 20-30% Minor (like 1-2%) biotite phenocrysts to disseminated in matrix with more abundant fine biotite.
						Minor chlorite alterations as selvages to calcite infilled fractures.
						Core slightly broken with good recovery
						EOH
						Fracture system near EOH is mainly dilational. Precipitation of silica, fluorite, and pyrite within the system. 10E extensively altered with destruction of mafic minerals and alteration of feldspars to clays. Abundant dilational brx development in 10E

DDH 89FX-04 (8916 11) CURRAGH RESOURCES INC. Page ____ of ____

ASSAY LOG (SAMPLER'S COPY) Date Sept 27/89 Logged by LCP Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14	16 20	22 26	28 30	32 34	36 40	42
	109 / 131519	112 / 131619	37311	197	197	1101E	fresh
	211 / 161913	212 / 161917	112	136	136	101E619	"CHLORITIC"
	212 / 161917	215 / 171017	113	195	195	101E	FRESH
	263 / 181613	266 / 181712	114	195	195	101E	Medium Fine fresh
	266 / 181712	268 / 181719	115	166	166	101E	FRESH
	317 / 101412	319 / 101417	116	159	155	101E191	"CHLORITK"
	101417	320 / 101511	117	143	143	101E191	
	101518	321 / 101516	118	143	143	101E191	
	101516	323 / 101519	119	136	136	101E191	
	101519	324 / 101614	120	145	145	101E191	
	101614	326 / 101711	121	170	170	101E1019	
	101711	328 / 101716	122	149	149	101E191	
	101716	329 / 101810	123	147	147	101E191	
	101810	330 / 101815	124	149	145	101E191	
	101815	332 / 101910	125	147	147	101E191	
	101910	333 / 101914	126	144	144	101Q1E1	
	101914	334 / 101918	127	135	135	101Q1E1	
	101918	335 / 111012	128	137	137	101Q1E1	
	111012	336 / 111015	129	133	133	101Q1E1	
	111015	338 / 111110	130	149	149	101Q1E1	
	345 / 111330	346 / 111371	131	144	144	101Q1E1	
	347 / 111374	348 / 111412	132	150	156	101Q1E1	
	354 / 111625	355 / 111670	133	145	145	161Q1E1	
	111670	357 / 111711	134	141	141	101Q1E1	
	111711	358 / 111715	135	146	146	101Q1E1	
	111757	359 / 111810	136	145	145	101Q1E1	
	111810	362 / 111819	137	193	193	101Q1E1	
	111819	363 / 111912	138	133	133	101Q1E1	
	111912	365 / 111917	139	148	144	101E191E	*

Au only

C.R.I. 1987 E-5

PROJECT: _____ BOREHOLE NO. 89-FX-04 COORDINATES: N _____ DATE 26/Sept/89

LOCATION: _____ HOLE SIZE _____ E _____ PAGE 1 of 5

LOGGED: _____ INCLINATION _____ ELEVATION _____

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GEOTECHNICAL CORE LOG

DEPTH (m)	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.	
55																	
66		10.9		4.0			5		B						31		
76		10.7		5.4			6		C						34		
86.5		10.7		4.0			6		C						42		
96.5		10.7		2.1			10		D						45		
101		4.2		0			6		D						26		
107		7.2		2.7			10		D						27		
117		10.4		4.7			10		D						38		
127		10.5		2.8			10		D						35		
137		10.0		9.0			12		E						14		
147		10.0		10.0			13		F						10		
157		10.2		8.9			12		F						20		
167		10.4		8.5			12		F						15		
177		10.0		9.1			13		F						13		
187		9.8		8.8			13		F						11		
197		10.0		7.2			12		E						23		
207		10.2		9.4			12		F						12		
217		9.9		9.3			12		F						13		
227		10.3		7.9			11		F						26		
237		10.0		8.5			12		F						18		
247		10.1		7.6			11		F						20		
257		10.2		9.3			12		F						14		
267		10.5		4.2			9		E						35		
277		10.0		9.7			13		F						10		
287		10.4		8.7			12		F						16		
297		10.4		5.4			11		E						24		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-FX-04 COORDINATES: N _____ DATE Sept 26/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 5

LOGGED _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (m)	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.	
307		10.0		8.6			11		E				18				
317		10.1		2.9			8		E				37				
327		10.2		8.7			12		E				15				
337		10.1		9.9			13		E				10				
347		10.0		10.0			14		E				6				
357		10.1		9.6			13		E				12				
367		10.0		8.9			12		E				14				
377		10.0		9.6			14		E				10				
387		10.1		9.6			13		E				10				
397		10.0		9.6			13		E				9				
407		10.5		9.9			13		E				12				
417		10.2		9.3			12		E				14				
427		10.0		9.1			12		E				16				
435		8.1		5.0			10		E				27				
441		6.0		1.0			7		E				30				
447		6.0		3.1			10		E				18				
457		10.3		7.3			11		E				27				
467		10.2		8.2			12		E				20				
477		10.4		6.7			11		E				24				
487		10.0		9.4			12		E				14				
495		7.5		6.9			12		E				9				
499		4.4		3.8			12		E				7				
507		8.6		7.6			12		E				12				
517		10.1		10.1			13		E				8				
527		10.0		10.0			13		E				7				
537		10.2		10.0			13		E				9				

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-FX-04 COORDINATES: N _____ DATE Sept. 27 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 5

LOGGER _____ INCLINATION _____ ELEVATION _____

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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.	
547		10.2		9.4			12		F						14		
557		10.2		9.5			11		F						17		
567		10.1		9.3			11		F						17		
577		10.5		9.5			11		F						18		
587		10.3		10.3			13		F						7		
597		10.0		9.7			14		F						5		
607		10.1		10.1			14		F						6		
617		10.0		10.0			13		F						10		
627		10.4		10.4			13		F						10		
637		10.0		9.6			13		F						10		
647		10.3		10.0			13		F						10		
657		10.1		9.8			12		F						10		
667		10.2		8.0			11		F						20		
677		10.1		9.1			11		F						16		
687		10.1		9.6			14		F						7		
697		10.0		9.4			13		F						10		
707		10.0		9.4			13		F						10		
717		10.3		10.3			14		F						8		
727		10.0		9.0			12		F						14		
737		10.0		9.5			13		F						10		
747		10.0		9.5			13		F						11		
757		10.3		9.5			12		F						19		
767		10.4		10.4			14		F						11		
777		10.3		8.5			12		F						19		
787		10.0		10.0			12		F						9		
797		10.0		9.3			12		F						10		
807		10.3		9.3			12		F						15		
817		10.0		10.0			12		F						10		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-FX-04 COORDINATES: N _____ DATE Sept. 27 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 4 of 5

LOGGER _____ INCLINATION _____ ELEVATION _____

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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.	
827		10.0		9.8			13		F							12	
837		10.2		8.9			13		F							16	
847		10.2		10.2			14		F							8	
857		10.3		9.9			13		F							12	
867		10.0		8.2			12		F							18	
877		10.0		9.1			13		F							9	
887		10.2		9.3			12		F							15	
897		10.0		8.7			12		F							15	
907		10.1		9.9			12		F							9	
917		10.1		8.7			12		F							13	
927		10.1		9.0			11		F							18	
937		10.4		9.8			13		F							12	
947		10.2		9.8			14		F							9	
957		10.0		9.8			13		F							10	
967		10.2		10.2			13		F							12	
977		10.1		9.8			14		F							11	
987		10.0		10.0			12		F							15	
997		10.2		10.2			13		F							13	
1007		10.1		9.6			13		F							13	
1017		10.3		10.3			14		F							8	
1027		10.2		9.6			14		F							8	
1037		10.2		10.2			14		F							10	
1047		10.1		9.4			14		F							10	
1057		10.2		10.2			15		F							6	
1067		10.2		10.2			15		F							6	
1077		10.0		9.1			13		F							12	
1087		10.0		10.0			14		F							8	
1097		10.1		9.6			12		F							14	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ BOREHOLE NO. 89-FX-04 COORDINATES: N 5,1.27/89 DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE 5 of 5

LOGGED _____ INCLINATION _____ ELEVATION _____

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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.	
1167		10.8		5.0			10		E						30		
1117		10.0		4.0			10		D						30		
1124		7.7		2.5			9		C						24		
1134		10.4		5.5			10		D						28		
1144		10.4		7.9			11		E						25		
1154		10.2		9.5			13		E						12		
1164		10.3		9.9			13		E						10		
1174		10.3		9.6			13		E						14		
1184		10.3		10.1			13		E						9		
1194		10.0		7.9			13		E						17		
1204		10.4		10.4			14		F						7		
1214		10.0		10.0			14		F						5		
1224		9.9		9.9			15		F						3		
1234		10.0		9.4			14		F						7		
1236		2.2		2.2			11		F						4		

Fig. 1. Typical rock mechanics core log.