019790

DDH 79.V.053.R
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 6/80 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	121110	121160		11	14K101?	(SD @)?
						Noncalcareous, silvery cream, muscovitic + chloritic, mod soft phyllite with banded with homogeneous pale green, soft, chloritic phyllite Thin carbonate-rich (?) bands weather to a very dark dull brown. S2 surfaces of phyllite silvery with faint greenish tint
						Does not look like typical SD or 5B4-/4L type rocks.
						Interbanding on scale of inches. Overall would say more SD than 4L - also weathering pattern reminds me more of SD w/ the dark brown
						Phyllite has poorly defined CS2-texture. CS2 defined by micas & locally by the deep brown carbonate (?) microlithons
L	121160	121210		12	5B1614	8 [3G48] [4L6]
						Mod soft, noncalcareous, PS2-foliated, pale grey-green phyllite S2 surfaces are shiny green w/ patchy silvery cast Phyllite finely striped on scales of silvery pale green. Cut surface has pronounced finely spotted aspect from abundant fine-grained biotite porphyroblasts (?) now altered to chlorite.
L	121210	121910		13	5B1216	(SD *)
						Mod. soft, noncalcareous, dark grey to black, PS2-foliated phyllite Overall fine-grained aspect Discontinuous thin streaking parallel S2 on scales of grey Contains minor discon. streaks of fine gy S2 surfaces are dark shiny grey - no mark left on fingers
						Contains intervals of homogeneous, silvery olive green, moderately soft chloritic phyllite S2 surfaces are dull green PS2 foliated Contains scattered clumbs of pale tan-weathering carbonate Contains bands // S2 of tan-weathering carbonate w/ lesser quartz.

DDH 79V053R (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 11/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12219 0	12317 0		14	15B1612	±4S minor
						Mod grey to med dk grey, PS2-foliated, to gravelly CS2 fill, noncalcareous, med soft phyllite. Rare stringers and shadows of grey generally parallel S2. Locally these gravelly defines as CS2 film. S2 surfaces are shiny grey.
						±4S becomes locally phyllitic is slightly lighter grey-green. It also contains scattering stringers of dark green chlorite containing minor rusty brown-weathering fines. S2
L	12317 0	12417 0		15	15B1612	[SA6]
						Very dark grey, med soft, noncalcareous, PS2-foliated phyllite. S2 surfaces are dark shiny grey-black and do not mark the fingers. Contains minor lenses qz (?) in thin gtosse stringers parallel S2 foliations. Fine-grained aspect to phyllite.
						Not really dark enough for good SA.
L	12417 0	12516 6		16	14L1016	weak (4K48)
						Mod soft to soft, PS2-foliated, off-white noncalcareous phyllite. Cut surface has pale greenish tint. S2 surfaces also has pale greenish tint. Musc >> chlorite. Contains lenses, coarse qz cubes & aggregates. Kinking fractures are infilled locally by qtz.
						Contains intervals of fine-grained, pyritic massive S= Magnetite as streaks parallel S2 and as globules. Contains clasts of coarse, tan-weathering carbonate locally dominant matrix. S= is qz rather than qz. E.t. grade ~10% (PbTZn) (split SS aways are available)

DDH 87-V-053-R

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 11/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12566	12670		7	316418	± 9.
						Mod soft, noncalcareous, PS2 foliated phyllite. Gen. med dk to dark greenish gray. S2 surfaces vary from shiny dark gray to pale creamy silvery green. Striped // S2 with thin bands which are dark gray from abundant carbon.
						locally has very spotted aspect w/ brown weathering 5% or carbonate "spots" dissem throughout phyllite

DDH 79V049R (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 5/89 Logged By: LCS

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	11514 6	11625		11	14L131	21 weakened Nonc alcareous, mod. soft, silvery cream phyllite PS2 foliated Contains dissem py in stringers & bands up to 1cm thick. Qtz-py generally parallel S2 S2 surfaces are silvery cream to silvery grey. Both S2 and cut surfaces have orange brown weathering coating patchily developed. Estimated py content 25-30%.
L	11625	11814 3		12	15B1617	± 9 ± 4 [3648 "stringers"] Mod. soft, nonc alcareous, med grey to light grey phyllite PS2 foliated Fine py occurs in thin fractures both parallel S2 and xcutting S2. S2 surfaces are shiny steely grey. Cut surface has slight greenish tinge from chlorite (?) Locally S2 surfaces are silvery from slight alteration. Unit not strongly altered to go down inbarrel see mod to light grey phyllite w/ irregular fine stringers of chlorite ± S=
L	11814 3	11816 3		13	15C1*	Mod soft, striped pale tan & grey olive green chlorite phyllite PS2 foliated Striping laminarily marked by olive green chlorite-rich laminae. Tan bands consist of pale tan carbonate + white quartz. S2 surfaces are shiny olive grey-green
L	11816 3	11912 6		14	15B161	± 4 minor Mod soft, PS2 foliated, nonc alcareous, med. grey to light grey phyllite. S2 surfaces are shiny grey. Locally & patchily phyllite altered to a pale greenish grey. Locally contains pegmatitic qtz w/ green chlorite and minor S=

DDH 79.V.04.9.R (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 5/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1191.2 6	1191.6 2		15	15B1213	
						Mod. dk grey, mod. soft, PS2 foliated phyllite. Tan-weathering carbonate disseminated in "stringers" parallel S2. S2 surfaces are dark shiny steely grey. S2 surfaces do not mark fingers. Minor thin veining steep to bedding fractures.
L	1191.6 2	1201.2 0		16	14L17	[3G46] (SC*) minor.
						Mod. soft, noncalcareous, PS2-foliated phyllite. S2 surfaces range from light shiny grey to silvery cream. Cut surface is generally light grey. Contains irregular fine stringers of po + carbonate(?). Stringers commonly along S2 but locally veining S2.
						Minor olive green & tan-banded chloritic phyllite.
						Cut surface locally weathers to a tan brown. w/ S= stringers weathering preferentially. Not strongly altered.
L	1201.2 0	1201.9 6		17	15B16	±4±9 (po)
						Mod soft, noncalcareous, PS2-foliated, med. to light grey phyllite. S2 surfaces are steely grey to light shiny grey locally interval is pale greenish cream w/ veining and S2 foliaform po stringers. Overall unit is less altered than interval just above (196.2-202.0). Sort of a transition to more normal phyllite. Striped in shades of grey parallel S2.
L	1201.9 6	1211.5 5		18	15B16	±0
						Mod soft, variably calcareous, PS2 foliated, dark grey phyllite. S2 surfaces are shiny grey to dark shiny grey. S2 surfaces do not mark fingers. Locally light tan carbonate in stringers crudely ⊥ S2. Locally py-po in thin bands and stringers parallel S2. Locally CS2 foliated.

DDH 87-V-049-B (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 5/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	12115	12121 0		19	1 4 1 6 1 7	{3648 spotted/stringered}
						Mod soft, pale creamy green, noncalcareous phyllite. Varies from PS2-foliated to gently CS2-foliated. Po as thin irregular stringers defining S1 and S2 foliations. S2 surfaces are greenish gray, often w/ patchy silvery gray splotches. Po content 5-10%. Dry cut surface has spotted aspect from pale tan to off-white carbonate (?) in po stringers.

DDH 79.V.04.6.R (2 8)

FEET

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 13/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1215 0	1317 0		1/	3161418	"stringer" minor
						Medium to light grey, moderately soft, PS2- to locally CS2- foliated, noncalcareous phyllite. S2 surfaces are silvery grey. Now they locally have slight patchy pale yellow/brown weathering tinge. Unit contains dull green chlorite in irregular bands and laminae. Typically chlorite associated w/ qtz and small carbonate (?) spots. Thin bands and laminae poorly define microlithons. Locally chlorite associated w/ stringers and dissem. "spots" of fine-grained pyrrhotite.
						Unit becomes lighter as go down DDH. Locally intervals are slightly silicified w/ more chlorite, po, "quartz"
L	1317 0	1460		2	4141171	
						Light silvery grey to cream white, moderately hard, CS2- foliated, noncalcareous, altered phyllite. S2 surfaces are silvery cream w/ only very locally a patchy grey tint. Surfaces now commonly have pale orange tone weathering colour. CS2 microlithons are well defined by thin streaks and laminae rich in po. Po streaks now weathered to very dark, dull brown. Interval locally contains minor pegmatitic white buff qtz.
L	1460	1516 0		3	3161418	± 6 (po) ± 2 "calc-silicate"
						Med grey, noncalcareous, moderately soft, PS2- to poorly CS2 foliated phyllite. Contains dissem chlorite in bands & laminae defining the CS2 microlithons. Chlorite typically assoc. w/ qtz. Minor po locally present as dissem streaks in chlorite-rich intervals. S2 surfaces generally silvery grey locally the surfaces are dark steely grey because of increased carbon content. In some pieces chlorite has more the appearance of "primary" mineral

DDH 79.V.04.6.R
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						disseminated in discrete bands (compositional control) rather than being related to alteration. This is the reason for using term "calc-silicate" Unit gradually gets darker down the hole
L	1156 0	1161 0		14	3G0914	8 ± 6 (po) minor
						Medium dark steely grey, CS2-foliated, noncalcareous, moderately soft, slightly altered phyllitic S2 surfaces are dark steely grey. Locally S2 surfaces are silvery grey Chlorite dissem w/ gtz in thin bands and laminae defining CS2 microlithons. Locally minor "stringers" po associated w/ the chloritic intervals Unit is only slightly darker than typical 3G. S2 surfaces only very slightly rusty fingers
L	1161 0	1172 0		15	3G1418	"stringered" (4LO) 80:20
						M&R grey, mod soft, noncalcareous, CS2-foliated phyllitic S2 surfaces are steely grey to light silvery grey. Chlorite dissem w/ gtz in bands defining CS2 microlithons Also forms veinlets stringers and fractures. Locally interval bleached to a muscovite-quartz phyllite w/ minor stringers & specks of dissem po. Minor pegmatitic white buff gtz Interval similar to intervals 146-156 and 125-137
L	1172 0	1177 0		16	3G1416	
						Moderately soft, PS2-foliated, light silvery grey, noncalcareous phyllitic PS2 foliated S2 surfaces are silvery grey and locally have a slight greenish tinge. Fine S= (py?) dissem in thin laminae parallel S2 fabric. Cut surface locally has pale yellow to dk brown weathering coat near S= laminae. Not quite altered enough for a true 4L designation

DDH 89-V-04-6-R (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 13/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	11770	11827		17	4L1214	
						Moderately hard to hard, noncalcareous, creamy white phyllite S2 surfaces are creamy white and commonly patchily stained tan-yellow-brown 5° include py, sphal, gn as disseminated in streaks, laminae & bands up to 1 cm thick. locally py forms anhedral "globs" in the 5°-rich bands 5°-rich intervals define CS2 microlithons Cut surfaces locally has slight orange-brown weathering coat Unit has thin fractures at shallow angle to core axis – 5° typically remobilized into fractures Grade will range up to 3% (Pb+Zn)
L	11827	11849		18	1010101	(py)
						Pegmatitic white bull quartz Minor py infilling fractures
L	11849	11978		19	3161481	"stringered"
						Moderately soft, noncalcareous, medium grey, PS2-foliated phyllite. S2 surfaces are light silvery grey Contains irregular bands and patches of mid to dk green, fine-grained chlorite. Commonly chlorite parallel S2 but locally definitely xcutting Irregular patchy and streaky py typically associated with chlorite. Minor yellow-brown weathering stains on cut and S2 surfaces in 5°-rich areas
L	11978	12040		110	4L1017	±1 → (3648 "stringered") 90:10
						Mod soft to hard, PS2 foliated, silvery grey cream, noncalcareous phyllite PS2 foliated S2 surfaces are silvery cream w/ patchy grey spots. Py forms thin bands 0.5cm thick parallel S2 fltn. – locally these define small isoclinal folds. 5°-rich intervals have weathered

DDH 79-V-046-R (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 13/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						to a dark dull brown. Minor intervals where clay like is not so heavily altered — S2 surfaces have stronger grey colour, green chlorite present as irregular bands and cutting fractures associated with the po. Less altered intervals correspond very well w/ 3648 "Unaltered" described earlier in this DDH.
						Overall cut surface has patches of dark dull brown-weathered staining

DDH 79V053B

feet

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1217 0	1313 3		1	31G4	8 "stringers"
						Light silvery grey, moderately soft, CS2-foliated phyllite. S2 surfaces are silvery w/ small dark grey to med grey "spots". CS2 microlithons defined by pale green chlorite. As go down interval phyllite becomes darker grey. Patchy yellow-brown weathering stains around S= grains. Interval moderately to slightly altered. Top of interval could possibly be considered HL. Not strongly weathered (only very slightly)
L	1313 3	1317 1		2	5D61	
						Pale olive green, PS2-foliated, homogeneous, noncalcareous, chlorite-muscovite phyllite. Cut surface has fine dk brown weathering spots (possible Fe-carbonate?) Minor ptk- Fe carbonate veins. S2 surfaces silvery green. Weathering stains in dark dull browns.
L	1317 1	1713 0		3	5D6102	≈8 minor.
						Noncalcareous, PS2 to finely CS2 foliated, med to med dk grey, moderately soft phyllite. Laminated in shades of grey parallel S2. S2 surfaces are silvery grey to dark steely grey, locally contains thin stringers of py ± py. Minor chlorite locally known as small specks in CS2 microlithons - difficult to tell if primary or related to alteration. Core overall fresh appearance with isolated yellow-brown stains related to weathering S=.

DDH 79.V.00.1 R
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 6/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1918 0	11017 4		1	3G4	8 MINOR (5B64 8 minor)
						Mod soft, noncalcareous, PS2 foliated phyllite. Color is light grey w/ slight greenish tinge. S2 surfaces light silvery grey w/ patchy greenish silvery grey. locally contains CS2 clods defined by micas. Phyllite is altered but not strongly altered
L	11017 4	11174		2	10Q10	(3G4) 80:20
						Pegmatitic white bull qtz w/ minor thin irregular py stringers Contains 20% phyllite same as last unit light silvery grey, noncalcareous, mod soft, PS2-foliated S2 surfaces are light silvery grey.
L	11174	11610 0		3	5A16	
						Dark grey to black, PS2 foliated, carbonaceous phyllite. Mod hard S2 surfaces dark grey to sooty black and lightly mark fingers. locally phyllite very contorted S2 filled with numerous small white qtz lenses & pods. Locally gouge. Minor py infilling fractures. looks noncalcareous. Fault zone

DDH 79.V.028.R
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 6/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1879	1980		1	5A*	GOUGE + BXA
						Dull sooty black gouge and strongly contorted carbonaceous phyllite. Locally see well developed bxa texture w/ irregular clasts of white qz-rich rock in a carbonaceous gouge matrix. Interval contains 1 clast of 4E.O about 10cm thick in carbonaceous gouge matrix
L	1980	1329		2	5B	62
						Mod soft, noncalcareous, dark grey, PS2 - foliated phyllite. S2 surfaces are shiny, steely dark grey and only lightly to moderately mark fingers. Minor S2-foliaform qtz "sweats"
						Unit gets slightly lighter grey as go down hole
						Minor gouge somewhere in interval 122.2 - 132.9
L	1329	1475		3	5A	3
						Mod soft to soft, PS2 - foliated, carbonaceous phyllite. Cut surface is streaked very dark grey S2 surfaces are dull dark grey w/ silvery patches. Contains minor thin qtz-py veining stringers & fractures. S2 surfaces only very slightly mark fingers

DDH 79-V-313 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 6/80 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1141 0	1514 0		1	5A1 6	
						Mod hard to hard, noncalcareous (?), PS2-foliated, carbonaceous phyllite. Very dark grey to black S2 surfaces are dull sooty black and lightly mark fingers. Contains thin stringers of qtz-py generally parallel S2.
L	1514 0	1710 0		12	5B6 2	
						Mod soft, noncalcareous, PS2 foliated, dark grey phyllite. S2 surfaces are shiny dark grey & very lightly mark the fingers.

FEET DDH 87-V-31-W-2-8

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 5/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	5162	6116			#	? TILL?
						Dominantly 4A30 w/ py content of 35-40% Boulders of 4A, 4E46, 5B62, 1000 in a fine brown mud matrix. S2 fabric randomly oriented. Size of clasts ranges from < 1cm to 25cm or more. Mud matrix is soft. All clasts have orange-brown surface weathering coating.
	6116	6160			5B1612	
						Mod soft, very dark shiny grey, CS2 foliated, noncalcareous phyllite. Poorly defined microlithons indicated by micas. S2 surfaces is dark shiny grey & does not mark fingers. Cut surface has a dull dark red-brown weathering colour.
	6160	18140			5A611	[5B621]
						Very dark grey to grey-black, PS2 to finely CS2 foliated, noncalcareous, moderately hard phyllite. Nail scratches phyllite but not easily. S2 surfaces are very dark shiny grey to dusky black and poorly mark the fingers. Py dissem w/ qtz ins "sweats" parallel and x-cutting S2. Current py weathered with bright orange brown colour spots. Minor gouge & brx on steep fractures/faults in interval 66-72

DDH 79V035R (2 / 8)

Feet

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 13/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	7140	7156		11	31G01	weathered ±2 (4A0 weathered) Most of core pieces are PS2-foliated, sticky grey, noncalcareous, moderately soft phyllite. S2 surfaces are strongly coated with orange-brown weathering stain. Cut surface strongly coated w/ yellowish-brown weathering surface. Difficult to tell original rock through stain. S2 surfaces look silvery grey. One piece (0.3') very hard, med grey qtzite w/ poorly developed white-qtz-wf lissem py ribbon banding. Very minor reddish spots on thin fractures. No grade. Py weathering to yellow brown on cut surfaces.
L	7156	7170		12	31G01	weathered ±2. Mod soft, PS2-foliated, noncalcareous, med to med-dark grey phyllite. S2 surfaces are silvery grey to dark grey. S2 surfaces and cut surface typically have strong yellow-brown surface coating. Finely laminated in shades of grey parallel S2 foliations. Contains xcutting patchy stringers consisting of very weathered S= (py?)
	7170	8100		13	31G019	[5B62] Moderately soft, very dark grey, PS2-foliated, noncalcareous phyllite. S2 surfaces are dark shiny black but do not mark fingers. Typically contains white bull qtz pods & lenses parallel S2. Cut surface of S2 surface have strong dull dark brown weathering coat w/ patchy yellow-tan weathering fringe. Not as highly weathered as the above 2 units. Laminated in shades of grey parallel S2 film.

DDH 79-V-035-R (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 13/80 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1810	11017.0		14	3G1014/18	"stringered" weak ± 9
						Dominantly PS2 foliated, moderately soft, noncalcareous med. to med. dark gray phyllite. S2 surfaces are silvery gray to dark steely gray locally laminated with thin dark gray bands 1cm thick gruelled S2. Locally a poorly developed CS2 crenulations is defined by variations in shades of gray. Contains minor green chlorite in patchy thin laminae. Upper part of interval has patchy mauve weathering coat on cut and S2 surfaces in minor amounts. Most of interval has very minor yellow weathering coat in S= rich streaks gruelled S2. Constitutes only a slightly altered phyllite
L	11017.0	11111.0		15	4/L/117A	[3G416 (po)] (3G09)
						Moderately hard, CS2-foliated, light silvery grey, noncalcareous phyllite. Not a total transition to 4L in that S2 surfaces are typically patchily a light silvery grey & creamy grey. Abundant irregular fractures & stringers containing fine-grained po cross-cutting S2 foln. Crenulations clings defined by dissem. streaky S=.
						Transition / grades into med. to med. dark grey, PS2-foliated, noncalcareous phyllite in less than 1". S2 surfaces of normal phyllite are dark steely grey. S= weathers to dull lt brown - locally cut surface is slightly rusty.
L	11111.0	11117.0		16	3G1418	"stringered" ± 9 minor.
						Med to med dark grey, moderately soft, noncalcareous phyllite. PS2 foliated to poorly CS2-foliated. S2 surfaces range from silvery grey to steely grey. Chlorite and po lineation w/ qtz (?) in bands gruelled S2 foln and locally defining CS2 microlithons. Patchy minor yellow weathering-staining

DDH 79V-035R (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 13/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						related to 0.5 cm thick po porphyroblasts
						Interval only slightly altered locally chlorite begins to look more like
						a "calc-silicate" type occurrence
	111.7 6	113.10 0		17	316418	"stringered" 9 minor
						Exactly the same as last Unit (111-117). Dark steely grey
						S2 surfaces indicate unit formerly moderately carbonaceous. Minor
						laminations in shades of grey parallel S2. Unit locally CS2-
						foliated

DDH 79.V.133.R
2 8
FEET

CURRAGH RESOURCES INC.
Lithologic Log

Date: May 24/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1312 0	1316 0		1	31G416	weathered [4L7]
						Moderately soft, CS2-foliated, noncalcareous, light silvery grey phyllite. S2 surfaces are silvery; they contain still hints of grey. Po occurs as fine, discontinuous stringers outlining microlithons within the S2 foliation. Both cut and broken surfaces have a strong brown to brown-orange-yellow weathering stain which is related to weathering po. Locally S2 surface has deep red-brown iron-oxide patchy staining
L	1316 0	1410 0		2	31G416	
						Similar to above described unit only not extensively weathered. I.e. it doesn't have the pervasive brown-orange iron oxide staining. S2 surfaces are light silvery grey. Unit is not strongly altered
L	1410 0	1619 0		3	31G418	"stringered" ± 9 minor
						Moderately soft, med to light grey, noncalcareous phyllite. S2 surfaces are silvery grey. Unit generally PS2 foliated. Contains thin irregular stringers of chlorite + po. Locally these define microlithons within the S2 foliations. S2 surfaces locally are steely grey
L	1619 0	1880		14	31G418	"stringered" [4L7] (10Q)
						Noncalcareous, light silvery grey phyllite. S2 surfaces are silvery to silvery grey. Commonly S2 surfaces have a slightly resinous appearance. Po + chlorite occur as irregular stringers - both exciting S2 and defining microlithons within S2. Unit contains numerous white pegmatitic bull qtz sweats. Unit slightly more bleached than last interval immediately above. Diffusions, however, is not great

DDH 79.V.133.B
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: May 24/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1818 0	1 1 0 8 0		15	3 G 1 4 8 1	"stringered"
						Moderately soft, PS2 and CS2 foliated, light grey, noncalcareous phyllite. Compositionally banded parallel S2 in shades of grey. S2 surfaces are silvery grey to light grey. Locally contains minor ghosts siltstone bands which define microlithons in S2 fabric. Has thin stringers of green chlorite containing disseminated po. Typically these outline S2 microlithons although where extensively developed they exist the S2 cleavage. Po now weathered to dark brown spots. Slightly altered and bleached interval w/ "stringers" of chlorite + dissem. po
L	1 1 0 1 8 0	1 1 1 8 0		16	3 G 0 1 9 1	"stringered" minor
						Noncalcareous, moderately soft, medium dark grey phyllite. Generally PS2 foliated w/ thin compositional banding in shades of grey parallel S2. Contains minor ghosts siltstone laminae. Also contains irregular white qtz pods/ lenses/ bands. S2 surfaces are dark steely grey. Locally has thin chlorite + po stringers / these are irregular although generally subparallel S2. Chlorite-rich intervals tend to be associated w/ more ghosts intervals.
L	1 1 1 8 0	1 2 3 5		17	3 G 1 0 1 9 1	(5D4*) 80:20
						Noncalcareous, PS2-foliated, med to medium dark grey, PS2 foliated phyllite. Thin compositional banding / laminae parallel S2 in shades of grey. No readily visible chlorite. S2 surfaces are dark steely grey. Contains interval (s?) of light grey, soft, chlorite-muscovite phyllite. Chlorite forms anastomosing bands + stringers defining S1 and S2 cleavages. S2 surfaces are dull tan-white, looks to contain abundant carbonate. Probable deformed relict igneous texture

E9H

DDH 79-V-14-3-K (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 14/80 Logged By: LCO

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1650	1730		1	4L4 7 1	(5864) (5C*)
						Moderately soft, light silvery grey, CS2-foliated, noncalcareous phyllite. S2 surfaces are silvery cream w/ slight greenish tinge. S= (mainly py) occurs as fine disseminated grains in thin bands/laminae which define CS1 microlithons in CS2 foltn. These typically are up to 2mm thick. S= about 1-5% of rock.
						Contains lesser intervals of only slightly altered phyllite. Colour is pale grey. S2 surfaces are pale silvery grey. Also contains dark green, strongly foliated, chloritic phyllite w/ thin carbonate-rich bands parallel S2. — Foliated SC
L	1730	1812		2	3 1 6 1 4 1	"stringered"
						Similar to above unit only not as extensively altered/bleached. Phyllite is light grey. S2 surfaces are pale silvery grey. S= (mainly py?) occurs thin disseminated grains in thin laminae defining CS1 microlithons in S2 foltn. Presently S= bands weathered to a yellow brown. S= content 1-5%. Both upper and lower contacts gradational
L	1812	1920		3	3 1 6 1 4 1 8 1	"stringered" ± 6 (py)
						Moderately soft, PS2-foliated, noncalcareous, medium grey to light grey phyllite. S2 surfaces are silvery grey. Contains thin dark green chloritic bands and laminae. They are generally parallel S2 cleavage although locally exist at high angles. S= (py) occurs as disseminated grains associated w/ chlorite. These zones are weathering yellow-brown. S= content ≤ 1%. Slightly altered phyllite

DDH 79.V.143.B
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 14/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1920	11217		14	3161418	"stringered" → (4207)
						Moderately soft, noncalcareous, CS2-foliated phyllite. Typically phyllite is light grey. S2 surfaces are pale silvery grey. Chlorite forms thin dark green laminae which define CS1 microlithons in S2 fabric. Locally py is associated with thin chlorite laminae and bands. S content generally <1%
						locally unit becomes more bleached/altered. Cut surfaces are creamy white.
						S2 surfaces are silvery cream with greenish tinge.
						Unit more extensively altered than last interval. Still have good indication of grey, however, on the S2 surfaces.
						locally has veins of pegmatitic white buff qtz.
L	11217	11710		15	3161418	"stringered" minor [5B67]
						Moderately soft, CS2 and PS2 foliated, medium grey, noncalcareous phyllite.
						S2 surfaces are steely grey. Unit only very slightly altered. Alteration consists of dissem dark green chlorite ± py in thin laminae and bands parallel S2. Locally these define CS1 microlithons over S2 foliation.
						Unit does not appear bleached. Intervals does have minor colour variations in shades of grey.
						Upper contact is gradational
						EOH

DDH 79.V.307
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: April 6/88 Logged By: LCC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	5550	6110		11	5B1614	9 (po) Mod. soft, noncalcareous, med gray to dk med gray, PS2-foliated phyllite. S2 surfaces are med to dk gray w/ silvery cream patches. Contains numerous xcutting fractures filled w/ po. Fractures weathering orange to brown and giving rust surface & yellowish tinge. Locally rust surface also has white powdery weathering material.
L	6110	7155		12	5B1612	± 49 (po) Mod soft, noncalcareous, PS2-foliated to poorly CS2-foliated phyllite. Med to dark gray. S2 surfaces are typically dark to very dark gray. Locally S2 surfaces are lighter w/ patchy silvery gray. Locally contains xcutting fractures infilled w/ po stringers. Similar to above unit only less altered w/ less pervasive yellow-brown weathering rust. Striped in shades of grey // S2. Lighter altered bands contain more qtz & less micas.
L	7155	8120		13	5B1612	→ (4L6) Top of interval dk grey phyllite like last unit. As go down hole phyllite is light greyish green, mod. soft, PS2 foliated. S2 surfaces are light silvery green with patchy grey and dark grey. Minor po as stringers both parallel S2 and xcutting S2.
L	8120	11900		14	5B1612	Med to med dark grey, mod. soft, noncalcareous phyllite. PS2-foliated to poorly CS2 foliated. S2 surfaces are dark shiny grey. Contains thin stringers of qtz-chlorite-po generally // S2 although locally xcutting S2.

DDH 79V319 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 14/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1520	1610		1	STB1621	moderately weathered Soft, med dark grey, PS2 foliated, noncalcareous phyllite. S2 surfaces are steely grey when fresh. Cut and S2 surfaces have patchy to complete coating of orange brown iron oxides / hydroxides. Amount of staining decreases gradually as go down DDH. S2 surface does not stain fingers when rubbed.
L	1610	1770		2	STB16	2 minor Soft, med dark grey, PS2 foliated, noncalcareous phyllite. S2 surfaces are shiny grey and do not mark fingers. Strongly PS2 foliated w/ local hint of crenulations. On cut surface have thin reddish-brown streaking in S2 foliation. Contains minor qtz veining x-cutting S2 fbtn.
L	1770	1810		3	3IG4181	Moderately soft, PS2-foliated, medium grey, noncalcareous phyllite. S2 surfaces are patchy silvery grey & shiny grey. Chlorite occurs as discrete aggregates forming laminae parallel S2 fbtn. Locally chlorite also forms x-cutting fracture selvages. This is slightly altered phyllite — transitions to more completely altered phyllite below the DDH
L	1810	1970		4	4L1011	± 7 ± 2 ± 4 Moderately hard to hard, PS2 foliated, noncalcareous, micaceous qtzite. Color generally light grey. S2 surfaces are micaceous silvery cream. S= (sphal, gal, py, po) occurs as anhedral grains within bands and laminae // S2 and x-cutting fractures. S= content ranges from 1-10%. Now S= are weathering w/ dark brown rust stains.

DDH 87-V-3-19
2 8

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 14/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1970	1100		5	3164	I8 [5B64 =8]
						Moderately soft, PSG foliated, light grey, noncalcareous phyllite. S2 surfaces are patchy light shiny grey and silvery grey. Minor pyrite disseminated within phase "siltstone" laminae. Cut surface weathers w/ thin red iron oxide streaks parallel S2.
						EOH

DDH 79V095R (2 8) FEET

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 5/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1010 5	1018 0		1	3161412	±1 [42 ± 1] weathered.
						CS2 foliated, mod. soft to mod. hard, noncalcareous phyllite. Cut surfaces and
						S2 surfaces have weathered to a dk brown to orange brown. S=
						disseminated along S1 microlithons as thin stringers; [illegible] quartz
						S= rich sections are mod. hard. S2 surfaces are light silvery grey
						to creamy grey. This interval has strong weathering overprint of original
						rock.
L	1018 0	1114 0		2	141414	±1 (4H14) 80:20
						Light silvery grey, mod soft to locally mod hard, CS2-foliated, noncalcareous
						phyllite. Contains thin dk red stringers of fine sphal along S2 and laminae
						S1 microlithons. S2 surfaces are silvery cream. Contains interval(s?)
						of fine-grained massive po w/ disseminated sphal + gal. Po contains small
						clasts of qtz and carbonate (?). Margins of po are finely laminated w/
						S= laminae and white qtz laminae. Po-rich areas have dark
						orange-brown weathering surface coating. Probably veins po (?)
	1140	1214 5		3	141411	2
						Mod hard, light silvery grey, noncalcareous, strongly CS2-foliated phyllite.
						Fine disscm stringers of sphal dominantly outline S1 microlithons. S2
						surfaces are silvery cream w/ local pale grey tints. Hard generally
						scratches cut surface w/ difficulty. Py locally visible dissem in stringers w/
						sphalerite.

DDH 79.V.095.R
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: April 5/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1214.5	1418.5		4	5B16	± 2 I 4 I / minor ± 7 minor
						MoD dark grey to dk grey, noncalcareous, mod. soft, CS2 foliated phyllite
						S2 surfaces are dark steely grey and generally become lighter ~ go Perpendicular
						Minor dissem 5% (py?) in gtzose microlithons. Otzose microlithons also
						contains dissem green mineral (chlorite?) Microlithons clearly define a
						CS2 crenulations cluge S2 surfaces do not mark fingers
						Nail generally readily scratches cut surface
L	1418.5	1517.7		5	4L712	→ (5B649 ± 2) 80:20
						MoD. soft, CS2 foliated, light silvery grey to creamy, CS2 foliated phyllite.
						Dissem fine py + sphal defines S1 microlithons. S2 surfaces range from
						silvery cream w/ pale green tint to light silvery patchy grey Dissem 5%
						now weathering as orange spots. Minor py in late xcutting fractures
						w/ carbonate (?) Unit ranges from strongly altered to only slightly
						altered locally.

DDH 79.V.096.R (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: June 13/82 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1117 0	1214 0		1	5B1716	± 2±1 slightly weathered Moderately soft to moderately hard, CS2 foliated, noncalcareous phyllite. Typically has dull dark green to grey-green colours. S2 surfaces are shiny grey locally it a dark grey w/ steely grey S2 surfaces which do not mark fingers. Darker intervals are more siliceous and locally have small dark chert nodules. S2 surfaces show patchy orange-brown surface weathering spots. CS2 flkn defined by thin white green siltstone bands & laminae
L	1214 0	1217 5T		2	5B1716	CS2 foliated, moderately soft, greenish grey, noncalcareous phyllite. S2 surfaces are grey with a slight greenish tinge. Cut surface has pale tan weathering cast CS2 microlithons defined by thin green siltstone laminae. Dark orange weathering spots of host interval.
L	1217 5T	1416 8		3	4K16	± 7minor Noncalcareous, moderately soft to moderately hard, CS2-foliated phyllite. Typically creamy green, locally w/ apple green tinge. S2 surfaces are silvery green w/ translucent grey tinge. CS1 microlithons defined by thin laminae containing qtz, S= streaks, and chlorite. Weathered cut surface locally has deep brown coating defining these laminae. Near bottom of interval begin to see more grey in the S2 surface.
						EOH

DDH 79V-119-B (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 26/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1130 0	1134 0		1	5B 6 2 1	
						Moderately soft, CS2-foliated, dark grey, noncalcareous phyllite. S2 surfaces are very dark steely/shiny grey and do not mark fingers. Well-developed crenulations clearly defined by 1mm-5mm bands in shades of grey & dark grey. Grey bands are generally more strong. Cut-surface generally contains many deep rust brown weathering streaks. Contains some pegmatitic white bull qtz.
L	1134 0	1140 0		2	5B 6 2 1	(5B-4) 80:20
						Major rock type is as described above for last interval. Contains thin intervals of slightly altered phyllite. S2 surfaces are patchy steely grey and creamy-silver. Contains abundant dark brown weathering spots and streaks on cut surface. Intervals are moderately soft to soft.
L	1140 0	1150 0		3	5B 6 2 1	(5B4 / 7 minor) 60:40
						Similar to above units. M-d. to dark grey, CS2 foliated, med soft, noncalcareous phyllite. S2 surfaces dark steely grey w/ patchy development of extreme dark brown weathering coat. Some weathering coat on cut surface as spots and streaks. Minor intervals are slightly altered. S2 surfaces are patchy silvery cream grey. Altered intervals more siliceous. Dark green chlorite streaks disseminated are more siliceous intervals. Qtz and chlorite define microlithons in CS2 foliation.
L	1150 0	1158 0		4	4 L 1 1 7	±6 minor (5B6)
						Moderately hard, noncalcareous, light cream to pale grey, CS2-foliated, siliceous phyllite. S2 surfaces silvery grey to tan-cream. More altered intervals have well-developed S^{2a} (?) shearing defining S1 microlithons in S2. There are now weathered concentrations to dark brown on S2 and cut surfaces. Where S= not

DDH 79.V.1.19.B
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: June 13/80 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						present unit has pale green specks of disseminated chlorite in more siliceous intervals.
						Contains lesser intervals of nondescript, light gray, PS2 foliated, moderately soft, noncalcareous phyllite. Also contains pegmatitic white bull qtz.
						Core has been split.
L	1 1 5 8 0	1 1 6 3 0		1 5	4 L 6 1	
						Moderately hard to hard, CS2-foliated, pale silvery green, noncalcareous phyllite. S2 surfaces are creamy greens w/ patchy development of grey. CS2 fabric defined by crenulated micas and thin green laminae to bands. Both cut & S2 surfaces have patchy dull brownish weathering coat. Unit slightly harder than typical phyllite. Minor pegmatitic bull qtz veins w/ py/po
L	1 1 6 3 0	1 1 6 8 0		1 6	4 L 6 1	&1 (SC4*)
						Moderately soft, CS2 foliated, silvery pale green, noncalcareous phyllite. Minor S= as thin streaks in CS1 & CS2 fabrics define microlithons. S2 surfaces are silvery green to patchy grey. S2 surfaces have patchy dull brownish weathering.
						Contains pieces of banded/laminated tan and olive green, moderately soft chloritic phyllite. Chlorite as anastomosing olive green laminae. S2 surfaces are silvery green. Typical texture for SC Zebra/leopard rock. Tan-weathering carbonate present.
L	1 1 6 8 0	1 1 7 5 0		1 7	4 L 6 1	(SC4*) [SD4*?]
						Moderately soft to moderately hard, PS2 foliated, noncalcareous, pale silvery green phyllite. Contains minor qtz as streaks & aggregates parallel S2. S2 surfaces are pale silvery w/ green tinge. Minor qtz stringers & streaks weather to dull brown. Locally contains abundant disseminated chlorite spots disseminated in chlorite-muscovite

DDH 79.V.3.15 (2 feet / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 25/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1120 1	1216 0		1	3G10	[536]
						Medium grey, PS2-foliated, noncalcareous, moderately soft phyllite. Contains minor rectangular qtz porphs up to 1 cm across. Locally has well-developed post-S2 crenulation cleavage which tightly folds S2. S2 surfaces are dark steely grey. Contains pegmatitic white qtz lenses parallel S2 / typically these are associated w/ minor dark green chlorite. Minor disseminated chlorite (?) in thin qtz-carb siltstone laminae.
L	1216 0	1418 0		2	3G48	"stringers" "spotted"
						Moderately soft, CS2 and PS2 foliated, noncalcareous, light grey phyllite. S2 surfaces are light steely grey to silvery grey. Commonly S2 and cut surfaces have yellow brownish staining from py/marcasite (? – nonmagnetic). Chlorite as thin stringers, disseminated qtz-carb bands defining microlithons in S2. Locally chlorite "stringers" have spotted appearance from small porphs of pale carbonate (?). Iron staining tends to become more prevalent as go down hole. Slightly altered & bleached phyllite. Grey still visible on S2 surfaces.
L	1418 0	1550		3	4L10	±1 ±7 ± 6
						Moderately soft to moderately hard, CS2-foliated, noncalcareous, light silvery grey muscovite-qtz ± chlorite phyllite. S2 surfaces range from light grey to cream. S= weathers to orange-brown to dull brown staining. Locally S= are py / in many cases nonmagnetic. S= form thin discontinuous stringers defining microlithons in S2 cleavage surface. Locally minor pale green chlorite assoc. w/ S=. Estimated S= 1-5%. Much more bleached/altered interval than just above – greater S= content.

DDH 79V315 (2 … 8) feet

CURRAGH RESOURCES INC.

Lithologic Log

Date: May 25/88 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1155 0	1159 3		4	5TB16102	"calc-silicate"
						Moderately soft, CS2 foliated, medium grey, non-calcareous phyllite. CS2 microlithons defined by qtzose siltstone bands and laminae. Siltstone intervals contain abundant disseminated green chlorite (?) Isolated porphs of po and py. S2 surfaces are steely grey. Interval slightly more than typical 5B
L	1159 3	1161 4 0		5	4L101	± 1 ± 2 ± 4
						Moderately soft to hard, CS2-foliated, pale silvery cream muscovite - qtz phyllite. Less altered intervals are soft bleached versions of last unit - chlorite readily visible as disseminated grains in siltstone laminae. More altered intervals are siliceous w/ stringers py + sphal + gal in vcutting fractures & stringers parallel S2. S2 surfaces range from pale silvery grey to creamy white. S= strongly weathered to give orange-brown surface coating.
L	1161 4 0	1171 5 0		6	5B161	"calc-silicate" [3648]
						Non-calcareous, medium grey, generally PS2 foliated phyllite. Moderately soft. Quartzose siltstone bands and laminae have irregular disseminated green chlorite. Locally chlorite looks like alteration & locally looks like regional metamorphic compositional differences. S2 surfaces are med to dark steely grey. Contains isolated py porphs strongly weathered to give orange-brown spots/stains. Interval is unaltered to only very slightly altered.
						EOH