

Code	From			To			Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
	0.0		7.9										84	CASING
	7.9		36.7										86	90, Boulders & clay, no sand recovered
	36.7		40.5										20	→ 72 ± L (72) Medium to light, non-calcareous phyllite is very strongly broken to crushed and approaching gouge - suspect to be weathering feature near so thin fault. Unit consists of gouge from 70.1 to 39.8 - also suspect to be weathering feature. A few ground pieces of rubble host minor limonite @ 37.8. Rock is soft, recovery is poor to poor. Lower contact is parallel S_2 and graduated over a couple of cm.
	40.5		43.9										52	± gP ± 24 ± → 72 N Light yellowish buff, non-calcareous, strongly silicified and altered phyllite is sporadically silicified and weakly pyritized within 3-7mm bands that trend both $// S_2$ and $//$ a poorly preserved S_1 fabric. Pyritic silicified bands host 10-15% disseminated py and possible very weak PbZn mineralization. Unit is sporadically crushed in cm scale bands $// S_2$ where rock approaches consistency of gouge. Rock is generally soft, locally hard and is very strongly broken $// S_2$ throughout. Recovery is generally poor, locally good. Upper contact is graduated over a couple of cm, lower contact is marked by gouge at unit 52

Code	From	To	Recov.	No.	Unit	Description	
1	10	14	16	20	22 24	26 28 30	34 36
	A9. 5	A9. 8			52	Ptc	
						Yellowish tan, very slightly calcareous, moderately sericitically altered phyllite lacks any trace of silicification but does host 2-3% very fine grained pyrite occurring as wispy clots // S ₂ . Rock is moderately soft and moderately broken. Upper contact is gradational over 15cm and lower contact is sharp and // S ₂ .	
	A9. 8	50. 2			29	(72) +10rc	
						Medium gray, noncalcareous phyllite is AS ₂ foliated with S ₂ slightly rotated with depth down hole. Fabric changes from 55° to 25° wrt c.A. Unit hosts a 1cm gouge band at shear trends 22°/25° wrt S ₂ . Rock is slightly to moderately soft, moderately broken and has good recovery. Upper contact is sharp and // S ₂ , lower contact is broken.	
	50. 2	52. 4			72		
						light gray gouge displays a shear texture oriented at low angles to core axis + that varies from 10-25° wrt c.A. Unit is non-calcareous. Upper contact is broken, lower contact is an abrupt change in rock competency, but shear fabric is maintained by lower unit.	

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20	22 24	26 28 30	34 35
	52.4	54.1			20	±g P → 74 Medium to light gray, non-calcareous phyllite hosts a very strong shear fabric within a moderately competent rock. Very rare occurrences of 1-1.5 mm wisps of siliceous material host pyrite. Wisps trend // shear fabric. Minor gouge occurs reflecting shear fabric planes. Fabric trend from 0° to 05° wrt c.a. Rarely fabric trends as high as 30° wrt c.a. Rock is soft strongly to very strongly broken // shear fabric. S & C bands within shear fabric are generally coincident! Recovery is good. Upper and lower contacts are marked by gouge of upper and lower units!
	54.1	55.9			72	→ 20 light gray gouge is non-calcareous and generally textureless. locally crushed unit 30 consists of fragments oriented subparallel core axis at 54.9. Recovery is fair. Upper and lower contacts are marked by abrupt changes in rock competency with the low angle shear fabric being maintained.

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
	55.9		56.1						52		P ₂ Z ₆ Yellow-tan, non-calcareous, sericitically altered phyllite is not silicified. 3-5% very fine grained P ₂ and possibly very weak PbZn mineralization occurring with P ₂ . Mineralization occurs in disseminated wisps tracing S ₂ . Unit hosts remnant shear fabric over the upper 7cm which rotates into an S ₂ fabric at 80' vert c.A. Rock is soft to moderately soft, moderately locally very strong, breaks and has good recovery throughout. Upper contact is sharp and marked by gauge. Lower contact is sharp and marked by a 2cm quartz vein // S ₂ . Grade is estimated at <1%.
	56.1		56.8						20		S ₂ (60:72) 75:25 - trace Medium gray, non-calcareous, very slightly sericitically altered phyllite is P ₂ foliated and hosts an irregular 15cm barren white quartz vein. Rock is moderately soft, strongly breaks and generally has good recovery. A minor loss in core occurs at gauge band at 56.4. Upper & lower contacts are sharp and // S ₂ .

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	56.	8	57.	5					52	# ± P → 72
										Buff, non-calcareous intensely altered phyllite consists of sericite and talc with 1-2% stringy veins of disseminated Py. Silicification is absent. Rock is very soft, generally crushed and approaches gouge. Recovery is fair. Upper contact is sharp and // S _g . Lower contact is sharp and noted as Buff gouge in contact with medium gray gouge. No orientations possible.
	57.	5	58.	1					20	± S → 72
										Medium gray, slightly yellow, non-calcareous PS ₂ foliated phyllite is weakly altered to sericite and is generally soft locally crushed and approaching gouge. Recovery is fair to good. Upper contact is gouge against gouge with no measurement possible. Lower contact is sharp and // S _g .
	58.	1	58.	7					52	± ± ± P → 72
										Whitish yellow to yellowish buff, non-calcareous, strongly sericitically altered phyllite is commonly very strongly altered to talc. Pyrite is sporadic and occurs as veins and clasts. Rock is very soft generally crushed and approaches gouge. Recovery is good to fair. Upper and lower contacts are sharp and // S _g .

Code	From	To	Recov.	No.	Unit	Description
1	10 14 18	20 22 24 26 28	30 34 35			
	58.7	59.5			5	±2 ±74 ✓
						Brownish yellow, non-calcareous, pyritic massive sulphides is slightly laminated, strongly mineralized and generally slightly to moderately porous. Locally unit is highly to extremely friable into sand and possibly refractory. Locally unit is brecciated and well holed, fragments are local and matrix is highly friable into sand and very dark gray to black. Interval is very strongly broken, generally moderately hard and has fair to good recovery with 20cm missing. Upper contact is sharp and marked by gauge trending at 40° w of S.A. Crude banding within unit trends 70° w of S.A. Lower contact is very irregular.
						Estimated grade is 17-20%.
	59.5	61.5			2	±26 N
						Dark gray to black, non-calcareous, graphitic quartzite is strongly siliceous and displays well developed ribbon banding. Unit hosts 20-25% finely disseminated pyrite and is barren of visible Pb+Zn except for lowest 10cm which is strongly mineralized. Rock is very hard, moderately broken and has good recovery. Upper contact is very irregular. Lower contact is sharp and // ribbon banding S ₂ .

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	61.5		61.8						5	FF@ ±ZZ ±w
										Dark gray to yellow, sporadically weakly dolomitic massive sulphides contain a very high marcasite content. Pyrite is rare to absent. Unit is soft, and friable into sand. Localized clots and irregular bands of near massive sphalerite are sporadic. Marcasite is moderately to strongly permeable and porous. Unit is slightly broken, crushed over 3cm and has good recovery. Upper and lower contacts are sharp and parallel to adjacent ribbon banding. Estimated grade is 10%.
	61.8		63.1						2	±ZZ (3 → 52) 90810
										Dark gray to black, non-calcareous, granitic quartzite hosts 10-20% pyrite and is strongly PtZn mineralized above 62.1, barren or near barren elsewhere. Ribbon banding is well developed throughout. Unit is light gray, non-calcareous and hosts a high sericite content over the lowest 15cm. Sericite occurs along S ₂ planes. Upper and lower contacts are sharp and // ribbon banding. S ₂ =

Lithologic Log

Date Apr '91 Logged By: J. Z. 26 Oct 91

Code	From		To		Recov.			No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	35	
	16131	1	16131	7						52	→ 72 (44 th) S2	70:30 Light gray, non-carbaceous, moderately to strongly sericitic, altered phyllite is very soft and locally crushed appearing gray. Interval hosts a 15cm band of strongly altered metabasite at the upper contact. Rocks are soft. Moderately broken and have good recovery. All contacts are sharp and // S ₂ .
	16131	7	1691	5						20	±P (60WK ±P)	90:10 Medium gray, non-carbaceous, phyllite is PS ₂ foliated and hosts 10% 2-4cm white quartz-dolomite / ankerite veins generally trending // S ₂ . Rock is moderately to slightly soft, moderately broken with 2-3% .cm scale gouge bands. Pyrite is sporadic and occurs within phyllite and sporadically within veins.
	1691	5	70	9						52	P ± 2G → 20SSP (60WK P ± 2G)	90:10 Medium to light grayish yellow, non-carbaceous, moderately sericitic. Phyllite hosts 0-5% pyrite wisps and clots. Unit is sporadically silicified and hosts a higher Py content, also associated with - lenses of Sph + Gal which appear to be remobilized. Unit hosts 10% quartz-dolomite-ankerite clots and veins common ≤ 1cm, rarely up to 4cm. Small quartz

Code	From			To			Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
														clasts and veins host traces of Pb+Zn and upto 7-10% Pyrite. Rocks generally slightly soft, strongly brecciated and has good recovery. Upper and lower contacts are sharp and // S ₂
	70.9		79.9										20	Qwk (72) 98:02 Medium gray, non-calcareous, highly boring, PS ₂ Solidated phyl. is slightly soft, moderately brecciated and has good recovery. Unit hosts 2% 2-3cm scale bands of gouge of variable orientation, and trace 1% quartz - dolomite - calcite veins of variable orientation. Upper contact is sharp // S ₂ and marked by a 40cm gouge band.
			79.9											EOH

ASSAY LOG (SAMPLER'S COPY) Date Apr '91

Sampled by

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	1	10	14	18	22	26	28	30	32	34	36	40	
		19.1		40.1									WASTE
		40.1		49.1	64462				1.0		152		
		49.1		43.1	463				1.0		52		
		43.1		55.1									WASTE
		55.1		56.1	464				0.1		52		
		56.1		58.1									WASTE
		58.1		59.1	465				0.1		5		
		59.1		60.1	466				1.0		2		
		60.1		61.1	467				0.1		2		
		61.1		61.1	468				0.1		5		
		61.1		63.1	469				1.0		2		
		63.1		69.1									WASTE
		69.1		70.1	64470				1.0		52		
		70.1		79.1									WASTE
													END @ 79.9

Code	FROM		TO (At)		Feature	UPPER Dip Direct.	INTERNAL Dip Direct.	LOWER Dip Direct.	Description						
	1	10	14	18						20	22	24	28	28	32
		10.	0	36.	8										9B
		36.	8	43.	8										crossed side, suggest want feature
		43.	8	44.	5		25	222							Gauge
				49.	9										1cm gauge bed
		50.	2	52.	4		10								80% gouge
		52.	4	54.	1		05	00		30					strong shear fabric
		54.	1	55.	9			1.0							Gauge
		56.	8	58.	7										crossed => gauge is sporadic, 10 - 40cm.
		70.	9	79.	9										mini gauge bed 1-3cm wide.
															EO4 @ 79.9

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH# 916-33

Units: Feet / Metres

Date: Apr 91

Logged By: J. Z. [Signature]

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Run (Length)	TCR (Length)	RCD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
7.9	—	—																	
36.8	—	—																	
37.8	0.3	0															NR CASING 9/8 Very poor recovery 9/8 trace mud		
39.9	0.3	0																	
40.3	0.6	0															" "		
41.5	0.4	0															gauge & fragments		
42.2	0.3	0																	
43.0	0.3	0																	
43.4	0.4	0																	
43.9	0.4	0																	
44.8	0.8	0																	
45.4	0.6	0																	
46.6	1.1	0.1																	
47.1	0.3	0																	
48.2	0.9	0.3																	
48.5	0.2	0																	
49.1	0.7	0																	
50.6	1.1	0.1																	
51.5	0.8	0																	
53.0	1.2	0																	
54.6	1.3	0.1																	
55.2	0.5	0																	
56.4	1.0	0.1																	
56.7	0.3	0.1																	
57.5	0.6	0																	
58.2	0.6	0.2																	
59.7	1.3	0.1																	
60.7	0.8	0.3																	

CURRAGH RESOURCES INC.

GEOTECHNICAL LOG

DDH#

916-33

Units: Feet / Metres

Date:

Apr '91

Logged By:

J. Zbucik

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Run (Length)	TCR (Length)	ROD (Length)	Strength	Degree Breakage	Weathering Alteration	FRACTURES												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
62.2	1.4	1.0																	
63.4	1.0	0.3																	
64.3	0.9	0.2																	
65.8	1.5	0.4																	
67.4	1.5	0.2																	
68.9	1.4	0.5																	
71.6	2.3	0.9																	
73.2	1.4	0.3																	
74.7	1.5	0.8																	
75.9	1.2	0.1																	
77.4	1.5	0.9																	
78.9	1.5	0.8																	
79.9	1.0	0.9																	
—	—	904																	E041 @ 79.9