V A N G O R D A

D E P O S I T

1 9 8 8

D D H L O G S

88V-26
to
88V-50

015042

88 V-26

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug 29 / 1988

Hole Number: 88V-26

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit

Claim: ____

Terr.Plane Co-ords.: 6902917.35 N 9666.22N

594397.15 E 9999.05E

Grid Co-ords: 23E B/L

Elevation: 1154.11 m.

All symmetry determinations looking

Total Depth: 136.0 ft. 41.5m

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Ore reserve definition + met. testing.

Reason hole Terminated: Drilled in to footwall of deposit.

Logged by: C.V. Reed.

Date(s) Logged: Aug. 29 / 88

Drilling Contractor: Arctic Diamond Drilling

	Size	CORE From	To
	NQ	0	136'
	____	____	____
	____	____	____

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine

Certificate No's: ____

Started: Jul 5 / 88 Completed: Jul 5 / 88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-216 (2 / 8)

Date: AUG 29/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-216	11540.11	9029170.4	5943970.2		S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-216	00	180.0	90.0	AT COLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	

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

DDH 88V-126 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	13 16 2 / 11 0		11	#1	TRICONED - NO RECOVERY
	13 16 2	13 16 6 / 11 2		12	#1	Redrilled fragments of 10AB Hanel Rathmullan overburden boulders. Largest piece rec'd is 4 cm long. 0.3' granitic OIB fragments recovered.
	13 16 6	14 18 5 / 14 8		13	1E1	± 1 BxA Weathered - Porous (4L GOUGE) 97:3 Highly weathered, fractured & porous, high grade, massive pyritic sulphide breccia. Individual sulphide fragments are angular, rotated & generally < 1cm ϕ. In top 5' of unit, where fracturing less intense, local thin banding is defined by high base metal concentrations. Banding generally < 2 cm thick aligned // to Sz. Unit shows abundant orange rust on fracture & cut surfaces. 39.0 - 39.5 is grey/ish - white phyllite mud gouge - No orientation possible. BRECCIA LIKELY RELATED TO A MAJOR FAULT. Estimated grade 12 - 15%? - difficult to tell due to weathering & poor core condition. Unit is locally porous & lossy due to weathering especially along fractures. Near EOT, breccia contains local small, angular clasts of white qtz.
		TOI → 38.7				Rubble 0.7' rec'd.
		38.7 → 43.2				V broken BxA + GOUGE Loss 0.K
		43.2 → 46.1				Rubble BxA 2.5' Rec'd.

DDH 88V-26

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						46.1 → 47.6 ṽ broken BxA. Recy 0.K.
						47.6 → EOT rubble BxA Recy 0.K.
	1418 5	1519 0		14	141L0	± 2 ± 4 ! GOUGE "Weathered" (1090)
		180				Dominate unit is ṽ soft, highly fractured, anastomosing
						altered musc > chl phyllite. Containing local minor thin stringers
						of dominate py + lesser sph - gal. Shows local patchy
						tannish yellow rust on Sz surfaces. Local minor incipient
						gouge in thin intervals.
						48.5 → 49.0 soft creamy grey phyllite mud gouge.
						Margins of gouge lost in rubble.
						51.5 - 52.0 - highly fractured & fragmented, rusted pegmatitic
						qtz vein.
						TOI → 52.0 Rubble - 2' rec'd. Core loss likely within
						gouge interval at TOI.
						52.0 → 58.0 Rubble, 2.8' rec'd contains minor incipient gouge.
						58.0 → EOT Slightly broken, recy good.
	1519 0	1610 3		15	131C1*	
		184				Mud soft, pale green & orange-tan striped, metabasite.
						Orange-tan weathered stripes likely contain iron carbonate.
						Sz surfaces are dull olive green ṽ patchy rust. Top
						contact dips 15°/000 relative to Sz. Sz dips 50° to core
						axis. Bottom contact 80° to core axis, 180° relative to Sz. Sz dip = 35°
						Core ṽ broken - Recy GOOD.

DDH 88V-26 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1610	1616 0 20 1		16	14L10	(10QO) 90:10. Light grey, sl-white, v soft, noncalcareous, sl bleached muscovite phyllite. Unit is locally highly fractured + gouged. 59.9-61.0 thin flaky incipient gouge - // to Sz 65.1 → 65.5 soft flakey 4L mud/gouge → Top contact of gouge bot in rubble, bottom contact 70°/180. planar Highly fractured ^ pegmatitic qtz vein 62.0 → 62.5' Tot % s= for entire interval 2-3% - dominantly py in thin local Fracture fills.
	1616 0	1712 0 21 9		17	13G916	Medium grey, mod soft, slightly carbonaceous, noncalcareous, musc phyllite. Sz surfaces are shiny medium-grey + only slightly marks fingers. Unit is PSz foliated. TOI → 66.3 flakey, medium grey gouge. Unit locally slightly porous. Contains local py dess- in thin bands + stringers // to Sz. TOI → 66.3 Mod gouge Recy 0.4 66.3 → EOI in broken Recy 0.5.
	1720	1810 0 24 4		18	14G4	± # ± $ (10QG) Mod hard, brown-grey, thinly banded, high grade banitic/ pyritic S=. Bandings ranges on a scale of 1mm to 2cm aligned // to Sz. Bandings defined by variations in ba, py, honey coloured sph + gal. Contains local calcite dess- in thin fracturing streaks within local thicker bands. Calcite bands range up to 1' thick. Dolomite occurs locally in

DDH 88V-26 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						small subrounded clasts which range in size up to 3cm ϕ. Dol clasts are spacially associated w calcareous bands. Calcareous bands are locally slightly porous.
						Unit shows slight patchy post drilling rust on cut surface. Has obvious faults.
						Est Pb+Zn ≈ 18%. Core slightly broken, Recy, GOOD.
	18 10 0	19 28 2 4		19	4 E 11	E # ± B ± S
						Brassy yellow, poorly banded ṽ hard slightly siliceous massive Py. Banding defined by local fine interstitial grey qtz ranging in thickness up to 1.0'. Calcite occurs locally in thin fracture streaks assoc in py + in which - tan, highly fractured clasts which range in size up to 5cm ϕ. Dol occurs locally in subrounded, orange-tan weathered clasts generally <1cm ϕ. Mag occurs in local v small black blebs + locally in Rills thin fractures. Near TOI mag occurs in tiny black specks in trails // to Sz. Core slightly broken, recy good
						No faults, minor local, patchy, post drilling rust on cut surface. Base metal content is poor. Pb+Zn < 2%.
	19 24	19 30 0 2		110	4 C 13	
						ṽ hard, thickly banded, non calcareous, pyritic qtzite. Banding is defined by massive py which is locally porous. Banding ranges in thickness up to 1.5'. Siliceous intervals contain local thin fractures infilled w Py + minor gal. No faults.
						No weathering. Est % Py 50-60%. Remaining is qtz.

DDH 88V-26 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Pb+Zn < 2%.
						Core slightly broken due to fracturing. Recy is good.
	1919 0	1112 2		111	14C13	15 (SC*) trace.
		34 2				Thickly banded, locally carbonaceous, pyritic qtzite. Contains local black paper-thin carbonaceous folia aligned // to Sz. Unit is v hard + barren. Banding defined by fine py + interstitial grey qtz. Py rich bands locally slightly porous. Est % py 40-50%. Est Pb+Zn < 2%. No faults. No visible weathering. 110.6 → 110.9 band of pale green chl + yellowish-tan anthrite? striped metabasite. Band is mod soft w margins // to Sz.
						TOI - 101.0 slightly broken, Recy good.
						101.0 - 107.0 v broken due to steep fractures, recy good.
						107.0 - EOI slightly broken, recy good.
	1112 2	1213 5		112	14C13	(SC*) trace.
		37 6				Same as previous unit (# 11) except absence of carbonaceous folia. Unit is v hard, poorly banded, moncalcareous, pyritic qtzite. Banding ranges in thickness from 2 cm to 30 cm + defined by py + interstitial grey qtz. Banding aligned // to Sz. Est % py 35-40%. Unit is barren of base metal.
						No faults, No visible weathering.
						Core slightly broken, Recy GOOD.
						Centered at 113.2 is 2 cm thick pale tannish green, soft, metabasite band. Margins are // to Sz.

DDH 88V-26 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	112135	112185 39 2		113	4L 17 12	4 (1000) 80:20
						Mod soft, noncalcareous, light grey-green, altered musc ± chl phyllite. Contains local stringers + bands of dominate Po, lesser Py + traces of PbtZn. Po rich bands have abundant iron staining + rust coatings. Sz surfaces are light whitish-grey ± local pale green chl. clots.
						125.2 → 126.0 white pegmatitic Poliaform qtz vein Est 7% S= 8-10%, dominately Po.
						TOI - 123.7 fluky, mod GOUGE Bottom contact 50/000 Recy 0.K
						123.7 - EOI ± broken Recy 0.K
	112185	113114 401		114	141C13	± $ (4L62) 90:10
						Dominate unit is ± hard, thickly banded, pyritic, qtzite. Py bands contain fine grey interstitial qtz + range in thickness up to 1.2'. Py intervals contain local rusty orange sml sub-angular dol clasts. Est % Py ± 60%. Est PbtZn L 2%.
						130.2 - 130.5, band of soft green-grey V 1417 musc phyllite. Band margins are // to Sz. Local patchy rust on cut surface (post drilling) Core intact. Recy 600D - No faults.
	113114	113160 415		115	141L10	±2 minor ±7 minor (4C3) 90:10
						Dominate unit is mod soft light grey-green, PSz Foliated, altered musc > chl phyllite. Sz surfaces are light shiny grey ± abundant pale green chl clots. Contains local chl in thin laminations developed // to Sz foliation.

DDH 88V-136 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						P_y occurs in local thin bands in v fine dessemination.
						132.3 - 133.7 v hard, thinly bedded, barren pyritic qtzite.
						Banding defined by fine P_y aligned // to Sz. Minerals of 4C3
						one // to Sz. No faults. Slight oxiding of Po fracture infills
						Po infills local thin fractures in 4C.
						Est Pb+Zn < 1%.
						Core mod broken. Recy 60013.
						EOH

DDH 88V-26 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date Aug 29/88 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	131.62	141.63	161639	149	1.32	14EH	BxA Weathered (4L gauge) 80:20
	1410.5	1416.62	161640	161	1.39	14IEH	BxA. Weathered
	1416.6	1418.35	161641	119	1.60	14IE14	± 1 BxA · Weathered
	1712.90	1716.20	161642	140	1.43	14IG14	± # ± $
	1716.0	1810.40	161643	140	1.45	14G10	± # ± $
	1810.0	1814.61	161644	141	1.42	14IE11	± # ± $
	1814.1	1817.89	161645	138	1.44	14IE11	± # ± $
	1817.9	1913.04	161646	145	1.47	14IE11	± # ± $
	1913.4	1915.03	161647	129	1.35	14IC13	
	1915.3	1919.20	161648	137	1.39	14IC13	+
	1919.0	11013.66	161649	146	1.49	14IC13	± 5
	11013.6	11017.86	161650	140	1.50	14IC13	± 5
	11017.6	11112.22	161651	146	1.50	14IC13	± 5
	11112.2	11116.56	161652	144	1.43	14IC13	
	11116.6	11210.62	166513	136	1.42	14IC13	
	11210.2	11213.65	161654	133	1.44	14IC13	
	11213.5	11218.25	161655	150	1.53	4IL17I2I4	
	11218.5	11311.04	161656	129	1.33	41C131	± 1

FOIL

2 samples

2 samples

DDH 88-V-26 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: 4/6/29/88 Logged By: CUR

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	
		12 8 / 412 0	PIS12				45	Banding in 4E4
		17 4 / 517 0	PIS12				410	Micaceous Foliation
		20 1 / 616 0	PIS12				516	" "
		22 9 / 715 0	PIS12				6R	Banding in 4G4
		27 1 / 1819 0	PIS12				710	Banding in 4E1
		31 4 / 1013 0	PIS12				6H	Banding in 4C3
		33 8 / 111 0	PIS12				618	Micaceous Foliation
		36 9 / 1R11 0	PIS12				616	Banding in 4C3
		38 1 / 1R15 0	PIS12				68	Micaceous Foliation
		40 8 / 1314 0	PIS12				810	" "

Fold

PROJECT 88V-26 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
37		.8															
38½		.4															
40½		2.0		.4													
46		5.8		1.1													
48½		3.2		1.1													
52		2.3															
58		2.9															
61		3.6															
66		4.4															
69		3.6															
72		2.7															
76		4.6		1.8													
81		5.3		3.5													
86½		5.5		4.7													
91½		5.5		3.9													
96½		5.7		4.0													
102		5.7		3.5													
107		5.8		1.2													
112		5.3		3.9													
117		4.9		2.0													
122		5.4		2.8													
126		4.9		1.0													
131		5.3		3.6													
136		6.1		.6													
		EOH															

Fig. 1. Typical rock mechanics core log.

88V-27

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug 1/88

Hole Number: 88V-27

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit

Claim: _____

Terr.Plane Co-ords.: 6902930.43 N 9723.52N

594 325.91 E 9954.69E

Grid Co-ords: 21E -1.5

Elevation: 1150.02 m

All symmetry determinations looking

Total Depth: 169 ft. 51.5m

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth _____.

Purpose: Vangorda Deposit Definition Drilling

Reason hole Terminated: Drilled Through Orebody

Logged by: C.V. Reed

Date(s) Logged: Aug 1 1988

Drilling Contractor: Arctic Diamond Drilling

CORE Size	From	To
NQ	0	169'

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine

Certificate No's: _____

Started: July 5/88 Completed: July 6/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH BBV-27 (2 8)

Date: Aug 1/88 Logged By: CWR.

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	BBV-27	1510.02	9029301.4	594325.9		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	BBV-27	00	180.0	0.0	AT COLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.

DDH 88V-27 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
	10	12.11 3		1	#1	Trimmed - No Recovery.
		16 5 m				
	12.11 3	13.15 3		2	13 G 10	Mod ← weathered (1000) 80:20.
		110 7 m				Dominant unit is a moderately soft, noncalcareous,
						medium grey musc + chl phyllite. Contains local minor
						qtz silstone laminae which define microlithons. Sz surfaces
						are dull medium grey where fresh. Local patchy rust on
						cut surface. Fractured + Sz surfaces show abundant patchy
						rust orange coatings. TOI - 22.0 contains small fragments of
						peg - white quartz. 32 - 35.0 contains abundant small angular
						fragments of pegmatitic qtz.
						TOI - 22.0 Rubble Mod, 0.K
						22.0 - 32.0 V Broken Mod, 0.K
						32.0 - EOI Rubble. 6" core loss
	13.15 3	15.11 0		3	14 A 14	(4E0) 75:25
		15 5 m				Medium grey - black, V burd, ribbon banded, carbonaceous
						qtzite. Sz surfaces are medium grey - black - only slightly
						muck fingers. Ribbon banding defined by Py > Sph
						banding on a scale generally < than 1/2 cm across.
						Banding aligned // to Sz. Banded makes up 20% of rock
						volume. Est Phr Zn 8 - 10%. Est % Py 12%. Sph >>
						Gal. Slight rusting on fracture surfaces
						TOI - 39.4, locally porous, highly broken + weathered, homogeneous
						massive SV. May contain local base metals, however difficult to
						tell because of abundant rust orange oxidation on cut +

DDH 88V-27 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 1/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Fracture surfaces Est Chl+Zn 4-5%.
						TOI - 38.3 Rubble. 10" rec'd.
						38.3 - 44.6 mod⁻ broken very good.
						44.6 - EOI ū broken. very good
	15 11 0	16 17 5		14	14 14 12 14	7 ± 9 frac. "stringered"
		21 06 m				Mod⁻ soft, noncalcareous, altered musc phyllite. Overall
						colour is a grey-green. Contains abundant fine py +po + cc sph +
						qtz bands + stringers which range in scale up to 2cm
						across. Banding locally defines both S_1 + S_2 surfaces. S_2 surfaces
						are medium to light grey ū local pale green chl clots.
						Est % S⁼ 15%. Est Pb+Zn 2-4%.
						TOI - 59.0 ū broken + "poker chippy" 3' core loss
						59.0 - EOI mod⁻ broken. Local incipient gouge at
						61.0'. Recov o.k.
	16 17 5	17 11 6		15	14 14 16	± 2 minor (1000) 90:10
		21 18 m				Pale green-grey, mod⁻ soft chl > musc altered phyllite.
						S_2 surfaces. S_2 surfaces are dull pale green. Contains local
						minor qtz+py bands ± banding locally defines S_1 + S_2.
						70 - 70.6 pog white qtz. Fractures infilled ū pale green chl.
						Est % S⁼ 8%.
						Mod⁻ broken, Recov Good.
	17 11 6	17 14 4		16	14 15 13	"Chloritic"
		21 27 m				Mod⁻ hard, noncalcareous pyritic qtzite. Contains abundant

DDH 88V-27
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 1/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						ps dess throughout in small agglomerates + in discrete small porphyblasts. Unit was originally a FL which has been silicified + pyritized. Pale green chlorite occurs in v fine laminations developed // to S_2. Est % P_y 25% Est Pb+Z - <2% Core is slightly broken. Recov is good.
	171.4	173.1	5	17	141612	± 47° true (3C*) trace.
	173.1	410.1	m			Greenish-grey, noncalcareous, mod soft chl > musc, locally cS_2 foliated, altered chloritic phyllite. S_2 surfaces are medium pale green. Contains local microlithons defined by medium pale chl + qtz laminations. Contains local thin bands containing P_y + Qtz + <2 Sph. Near EOI, contains thin Po bands generally less than 2cm across. Local traces of splashy spy in thin fractures.
						80.0 to 88.5 / 114.8 → 115.1 / 130.8 → 131.1 Bands of pale green + tan stained metabasite. Local small, tannish weathered clasts of dolomite occur within the first band. Dol+cc occur in thin // to S_2 bands in the other two.
						TOI - 81.5 mod broken Recov GOOD
						81.5 - 85.0 v broken, recov O.K
						85 - 87.0 m broken recov GOOD.
						87.0 - 102.0 v broken recov GOOD.
						102 - 107.0 rubble 2' recovered. 104 → 107 marked "MVB" in box - Likely fault gouge - No recov.
						107.0 - 112.5 v broken 2.2' core rec'd.

DDH 88V-27

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 1/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						112.5 - 122.0 m broken, very o.k.
						122.0 - 125.0 v broken, very o.k.
						125 - EOI mod broken very o.k.
	1215	1590		18	4E0	± 4 ± 8 ± 6 minor ± 8 minor. ± 1 minor.
		1485	m			v hard, locally thinly banded, massive brass yellow
						pyritic s=. Contains local thin bands of sphegal w
						diss py. Bands are generally < 1cm thick + are
						more common near TOI. Contains local interstitial
						grey qtz. Qtz cont ↑ moving down the unit. Contains
						local discontinuous bands of black mag. aligned // to Sz.
						Contains local irregular qtz + dol clasts. Clasts range up
						to 2cm across. Local patches of post drilling rust
						on cut surface. 153.8 - 154.2 band containing diss- whitish grey ba.
						Est % PhtZn ranges from 2 - 8%. Est % Qtz ±
						10 - 15%.
						Lone is intact, recy is good.
	1590	1619		19	4L0	± 6 ± 24 m minor
		1515	m			mod soft, noncalcareous, altered musc = chl phyllite.
						Contains abundant pale green chl developed in thick
						laminations // to Sz. Sz surfaces are light silvery grey
						w local pale green chl clots. Contains local py + lesser
						sph in thin fractures + bands.
						Est % S= 5%.
						TOI - 163.3 v broken recy O.K.
						163.3 - 166.0 m broken recy o.k.
						166.0 - 169 v broken recy O.K.

EOH

DDH 88V-27 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date Aug 1 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	10.8 1315 3	12.0 1319 4	116131611	13 5	11 6	141E10	very weathered
	1319 4	13.7 1345 0	116131612	15 6	15 9	141A14	
	1345 0	15.5 1511 0	116131613	16 0	14 2	141A14	
	1511 0	17.4 1517 0	116131614	16 0	12 5	141L12	
	1517 0	18.6 1611 0	116131615	14 0	13 6	141L10	
	1611 0	20.6 1617 5	116131616	16 5	17 4	141L1214	
	1617 5	21.8 1711 6	116131617	14 1	14 8	141L16	±2 minor
	1711 6	22.7 1714 4	116131618	12 8	12 7	141C13	(chloritic)
	40.1 1131 5	41.4 1135 9	116131619	14 4	15 0	141E10	±8 ±4
	1135 9	42.9 1140 6	116131710	14 7	15 2	141E10	±8
	1140 6	44.3 1145 2	116131711	14 6	14 9	141E10	±8
	1145 2	45.6 1149 7	116131712	14 5	14 8	141E10	±8
	1149 7	47.1 1151 6	116131713	14 7	15 0	141E10	±8
	1151 6	48.5 1159 0	116131714	14 4	15 1	141E10	±8 ±6 ±4

DDH 88V-27 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Aug 1/88 Logged By: CWR

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		7.3 | 214 | 0					810	Micaceous Foliation
		10.7 | 315 | 2					78	" "
		12.8 | 412 | 0					712	Carb folia in 4A
		14.5 | 417 | 5					718	" " " "
		18.3 | 610 | 0					718	Micaceous Folia
		22.9 | 750 | 0					815	Micaceous Folia.
		25.0 | 820 | 0					812	Micaceous Folia.
		27.4 | 900 | 0					85	" "
		31.4 | 1013 | 0					812	" "
		35.8 | 1175 |					716	P_2 banding in 4L62
		38.3 | 1255 |					810	" " "
		42.7 | 1410 | 0					715	Banding in 4E 0±4
		48.2 | 1518 | 0					616	P_2 band in 4E 0±4
		50.0 | 1614 | 0					610	Micaceous Foliation.

PROJECT 88V-27 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (ft)	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	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
25		3.6															
30		4.8															
35		5.2															
40½		3.1															
46		5.8															
47		1.7															
51		1.4															
57		2.0									122	5.6	1.8				
59½		1.6									124½	2.6					
61		1.8									125	9					
65½		5.0		.4								1					
67½		2.3		.4							131½	5.8	2.5				
72		5.3		.8							132	.4					
74		1.6		.5							137	5.5	4.6				
77		3.1									142	4.9	4.3				
82		5.4		.4							147	5.3	4.8				
87		5.8									152	4.9	4.2				
89		2.2									157	5.5	4.0				
91		2.8									160½	3.0	1.1				
94		3.9									166	5.5	2.2				
95½		1.4									169	2.1					
100		5.2															
102		1.8															
107		2.3															
112		2.5															
117		6.3		0													

* cont →

Fig. 1. Typical rock mechanics core log.

88V-28

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 13/88

Hole Number: 88V-28

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit.

Claim: ____

Terr.Plane Co-ords.: 690,299B.14 N 9818.67N

594 25B.96 E 9949.98E

Grid Co-ords: 18E -1.5

Elevation: 1144.04 m.

All symmetry determinations looking

Total Depth: 116 ft. (35.4 m)

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Vangorda Deposit Definition Drilling - Met Samples.

Reason hole Terminated: Drilled Through Orebody

Logged by: C.V. Reed

Date(s) Logged: July 13/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	116

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine

Certificate No's: ____

Started: July 6/88 Completed: July 6/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-28 (2 / 8)

Date: Feb 13/88 Logged By: CWB

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	88V-28	1144.04	9029981.1	594259.0		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	88V-28	0 0	180.0	0.0	AT COLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.

DDH BBV-28

CURRAGH RESOURCES INC.

Lithologic Log

Date: JUL 4/3/88 Logged By: CVA

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	6.7 11.9		1	#1	Cored overburden - No Recovery
	11.9	7.7 15.4		2	#1	Overburden Small re-drilled fragments of rusty orange 10A13 granite. Largest piece 1" ϕ. No overburden mud recovered.
	15.4	15.10		3	1G14	Locally weathered & porous (3G9 weathered) (4L GOUGE) 98: Trace: Trace Highly fractured, greyish-brown, non-calcareous massive baritic S=. Unit is thinly banded - defined by variations in honey coloured sph & greyish-white barite content. Locally porous due to weathering of carbonate. Contains local thin steep fractures infilled with calcite. Top 15' of interval is highly weathered & shows abundant reddish-orange weathering coatings on fracture surfaces. Remaining interval contains yellowish-tan oxidation coatings on broken surfaces. At 32.0 to 32.4 redrilled pieces of slightly carbonaceous mus phyllite. Between 32.0 & 37.0 there is 4.5' of core lost. This may be due to mislatch, however not marked in box. It is impossible to ascertain the true thickness of this 3G band. 41.9 - 42.4 pale green, soft, flaky mus rich gouge. Not a significant fault. Est % Ba in interval ≈ 15-20%. Est Pb+Zn 8-10%. TOI - 27.0 Mod broken 1.6' core rec'd. 27.0 - 37.1 Rubble 1.2' core rec'd. 37.0 - 39.0 ≈ broken 1.1' core rec'd.

DDH BBV-28

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 13/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						39.0 - 42.0 v broken 0.8' core rec'd.
						42.0 - 48.0 rubble recy 0.K.
						48.0 - EOI v broken recy 0.K.
	15 10 4	17.4 15 17 1		14	14 L 16	2 trace (4L GOUGE) 90:10
						TOI - 51.0 flakes, tannish pale green, noncalcareous musc + chl gouge. Margins lost in rubble.
						51.0 - EOI mod soft, noncalcareous off white to pale tannish green, altered chl + musc phyllite. Sz surfaces pale tannish green. Contains abundant chl in thick laminations developed along Sz cleavage. Local minor Qtz + fine py laminations define both S_1 + Sz. Est % Py ≤ 1%.
						TOI - 56.0 v broken 3.7' core rec'd
						56.0 - EOI rubble, 1.1' core rec'd.
	15 17 1	21.1 16 19 2		15	14 E 14	I # ± B (4L6 GOUGE) trace (3C#) trace.
						Moderately hard, base metal banded, massive pyritic sulphide. Contains local thin laminations of white calcite aligned // to Sz. Calcite rich intervals appear very similar to baritic facies sulphides. Calcite also appears locally in small subrounded white clasts. Largest clast is 1cm ø. Base metal occurs in Sph rich bands generally < 5 mm thick aligned // to Sz. These bands contain dess fine py. Magnetite occurs locally in minute black specks generally smeared elongate to Sz. Yellowish - tan weathering coatings present on fracture surfaces.

DDH 88V-38

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 13/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						58.1→58.2 - Thin band of pale green musc + chl mud gouge. Margins are ll to Sz.
						59.6-59.7 - Thin mod soft pale olive green + tan, methanite. Margins ll to Sz
						Est Pb+Zn for entire interval 5-6%
						701-58.6 Mod broken, very good.
						58.6-59.6 Rubble - End run very good
						59.6 - EOI V broken, very good.
	1619 2	21.6 1710 9		7	4A4	
						Dark grey to black, V hard, ribbon banded carbonaceous qtz ite. Ribbon banding ranges up to 1.5 cm thick - bands contain abundant reddish-brown spl and lesser Py + minor Gal. Banding is 25% of rock volume. Contains abundant paper thin carbonaceous folia defining Sz. Est Pb+Zn 12%.
						Sz surfaces are carbon black
						One is slightly broken. Very Good.
	1710 9	24.9 1811 6		8	3B14	* [3C4*]
						Mod soft, pale olive green, altered chloritic phyllite. Sz surfaces are dull olive green. Contains minor thin stringers of qtz + py. Locally porous due to weathered carbonate. Local patchy yellow-green weathering on fracture surfaces. Chlorite is abundant in thick laminations ll to Sz. Thin pale tan ankerite? siderite? laminations occur throughout. Local development of thin bands of incipient

DDH 88V-28 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 14/88 Logged By: CVM

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						gauge 11 to Sz.
						Core mod broken, recvy good.
	81 6	27.1 188 9		19	15A611	g trace [3G91 g trace] (4L62) (10Q9) 60:30:10
						70.1 - 83.4 mod soft, v broken, altered musc+chl phyllite. Sz + cut surfaces are a light grey w green tinge. Chl developed in thin laminations along Sz location. Contains local py + qtz stringers. 0% py < 2%
						83.4 - 84.3 white pegmatitic foliaform qtz vein. Vein highly fractured w pale green chl infillings. Lesser Py also infill thin fractures.
						84.3 - EOI - Moderately soft to locally hard, noncalcareous dark grey to black, carbonaceous phyllite. Thin local qtz siltstone laminations define microlithons. Unit becomes lighter moving down the hole, qtz content also increases. Traces of local thin fine py stringers Sz surfaces are black becoming medium grey near EOI.
						TOE - 84.3 v broken w local rubble 2.1' of core loss at 84.3 - EOI
	1818 9	28.7 1914 3		110	14614	
						Light greyish brown, thickly laminated, noncalcareous, high grade baritic sulphides. Laminations defined by abundant base metal + varying ba content. No visible weathering.
						Est % Ba 20% Est Py 60% Est Pb + Zn 15%

DDH 88V-28

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 14/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core intact, locally slightly broken along fractures. Recov is complete.
	194 3	30.1 198 7		11	4E4	± 8 minor
						Hard, noncalcareous, homogeneous, brassy yellow massive pyritic sulphides. Contain local reddish-brown sphalerite bands ranging in a scale from 2mm to 3cm across. Bands are diffuse + commonly "flow" around broken 4E0 clasts.
						Base metal bands make up only 5-6% of the unit.
						Fine black magnetite is associated w the base metal bands. Local, patchy yellow-orange weathering on fracture surfaces.
						Est Pb+Zn 3-5% Assay = 9.81%
						Core intact, Recov GOOD - No faults.
	198 7	32.6 1106 9		12	4E10	± 1 ± 8 minor ± 9 trace.
						Very hard, poorly banded, locally siliceous, noncalcareous, massive pyritic sulphides. Qtz occurs as fine disseminations in thick bands // to Sz. Qtz content increases moving down the hole. Mag occurs locally in fine black specks. Local splashy Cpy infilling fractures. No visible weathering.
						Est % Py 75% Est % Qtz 20% Est Pb+Zn <2%.
						Core intact, very good.
	1106 9	35.4 1116 0		13	4L6	247 "Stringered"
						Pale grey w green tinge, noncalcareous, altered musc + chl phyllite. Sz surfaces are medium grey w local pale green chl

DDH BBV-28 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 14/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						clots. Qtz + Py + Po ± Base metal occur in thin bands ±
						stringers up to 1cm thick. Sulphide bands locally define
						$S_1 + S_2$ metamorphic fabrics. Est % $S^{=}$ ≈ 8% Est Pb+Zn
						< 2%
						TOI – 108.2 rubble - end run recy GOOD.
						108.2 – EOH mod broken, recy GOOD
						EOH

DDH 88V-28 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CWR

ASSAY LOG (SAMPLER'S COPY) Date Jul 14/88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	7.7 1215 4	8.2 1217 0	1161191 4	11 6	11 8	1 14 16 14	weathered
	1217 0	9.8 1318 0	1161191 5	15 0	10 5	1 14 16 14	"
	1318 0	11.3 1317 0	1161191 6	15 0	10 8	1 14 16 14	"
	1314 0	12.8 1412 0	1161191 7	15 0	12 7	1 14 16 10	"
	1412 0	14.3 1417 0	1161191 8	15 0	16 4	1 14 16 14	"
	1417 0	15.4 1510 4	1161191 9	13 4	12 9	1 14 16 10	"
	1510 4	17.4 1517 1	1161210 0	16 7	15 5	1 14 12 16	2
	1517 1	18.7 1611 5	1161210 1	14 4	14 4	1 14 E H	± ± 8
	1611 5	19.8 1615 0	1161210 2	13 5	14 6	1 14 E 14	± # ± 8
	1615 0	21.1 1619 2	1161210 3	14 2	14 9	1 14 E 10	± # ± 8
	1619 2	21.6 1710 9	1161210 4	11 7	12 0	1 14 A 14	
	1710 9	24.9 1811 6	1161210 5	10 7	19 7	3 B 11 14 1 *	[3C4 *]
	1811 6	27.1 1818 9	1161210 6	17 3	15 6	15 A 16 11	9 frame
	1818 9	27.9 1911 5	1161210 7	12 6	13 1	1 14 16 14	
	1911 5	28.7 1914 3	1161210 8	12 8	13 5	1 14 16 "	
	1914 3	30.1 1918 7	1161210 9	14 4	14 4	1 14 E H	± 8
	1918 7	31.1 1 10 12 0	1161211 0	13 3	14 4	1 14 E 11	± 8 minor ± 9 frame.
	1 10 12 0	32.6 1 10 16 9	1161211 1	14 9	14 9	1 14 E 11	± 8 minor ± 9 frame
			EOH				

DOUBLE SAMPLE

DOUBLE SAMPLE

2 Samples

DDH 88V-28 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: 14/4/88 Logged By: CUR

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		7.9 12160	PISR				81	B_4 laminations in 4G4
		13.9 14155	PISR				612	P_3 bands in 4E6
		17.7 15180	PISR				814	P_3 bands in 4E
		21.3 17100	PISR				813	Spk laminations in 4A4
		26.5 18170	PISR				616	carb folia in 5A6
		29.4 19164	PISR				614	Ruse mets / bands in 4E
		32.2 10155	PISR				615	Qtz banding in 4E1
		33.5 11100	PISR				518	Micaceous laminations in 4L
		35.2 11155	PISR				5R	Micaceous laminations in 4L.

PROJECT 88 V-28 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
22		.3															
32		2.5		.5													
37		.5															
39		1.4		.5													
42		1.0		.4													
44		2.2															
45		1.7															
47		2.0															
48		1.91															
51		1.9															
56		4.1		.5													
59		2.9		.4													
61½		2.3		.5													
65		4.5		.9													
69		4.1		.4													
72		3.2															
77		4.2		.4													
82		4.7															
87		3.1															
91½		4.6		1.9													
96½		5.1		3.0													
101		5.5		3.7													
105½		4.4		4.1													
108		2.5		1.3													
112		4.3															
116		4.8		1.1													

Fig. 1. Typical rock mechanics core log.

88V-29

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 29 /88

Hole Number: 88 V-29

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit

Claim: ____

Terr.Plane Co-ords.: 6902953.91 N 9757.05N

594 301.90 E 9952.47E

Grid Co-ords: 20E -1.5

Elevation: 1148.26

All symmetry determinations looking

Total Depth: 172 ft. 52.4 m

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Vangorda Deposit Definition Drilling - Met Samples

Reason hole Terminated: Drilled Through Ore body

Logged by: C.V. Reed

Date(s) Logged: July 29/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
WQ	0	172'

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine

Certificate No's: ____

Started: July 7/88 Completed: July 7/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-219 (2 / 8)

Date: July 29/88 Logged By: CVR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-219	1148.26	9029531.9	519430 11.9		SR	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-219	100	-180 1.0	10.0	ATCOLLAR
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

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

DDH 88V-29

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	7.3 12.4 1		1	#1	Cored in no recovery
	12.4 1	7.9 12.6 0		2	41G418	? Extremely weathered.
						Highly broken + fractured, highly rusted pieces + redrilled fragments of baritic / pyritic sulphides. Abundant orange-red weathering coatings on broken + cut surface. Largest piece is 3" long. Unit is locally porous.
						Est Pb+Zn 10% Core is rubble - recy o.k.
	12.6 0	11.3 13.7 0		3	41G0##	#4 + 8 + $ minor
						Med hard, yellowish-grey, high grade baritic / pyritic sulphides Unit is thickly laminated defined by variations in base metal & Ba contents. Magnetite occurs in thin elongate streaks + fine specks aligned // to Sz. Calcite occurs dess in feathery streaks // to Sz Bottom 8" of unit contains small subrounded, irregular clasts of tannish weathered dol. clasts ranges in size up to 1cm ϕ.
						Est % Ba 20% Est % Py 60% Est Pb+Zn 12-14% (High)
		7.0 27.3				- slightly broken recy GOOD
		27.3 - 30				- V broken recy good. broken along sheep fracture.
		30 - 32.8				- slightly broken recy good
		32.8 - EOH				- V broken recy good.
						Only slight rust coatings present on fracture surfaces. Cut surface is fresh.

DDH 88V-29 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1317 0	16.0 1512 5		14	1414	
						Dark grey to black, v hard, high grade ribbon banded carbonaceous qtzite. Banding is generally thin, < 3cm and defined by abundant reddish sph v lesser diss py ✓ + interstitial qtz. Banding is 25% of rock volume. Sz surfaces are carbon black.
						Cut surfaces are fresh, fracture surfaces show patchy reddish-orange weathering coatings.
						Est % Pb+Zn 12-14% Est % Py 10%
						TOI - 42.0 v broken 8" core loss
						42 - 45 v broken recy O.K.
						45 - 49.5 rubble 2.5' core rec'd
						49.5 - EOI v broken 2.6' core rec'd
	1525	25.0 1820		15	4410	±6 ±2 ±7 minor (10 QO) minor (5CX) trace.
						mod soft, noncalcareous, locally chloritic altered musc phyllite. Sz surfaces are dull grey v local chl clots.
						Local fine py + po in thin qtz siltstone laminae.
						Contains local thin foliaform pegmatitic qtz veins.
						Est % 5% 2-3%.
						Contact at 77.8 is 8" thick band of pale olive green + fine striped metabasite. Fine pink stripes likely amk or sid. Margins are ∥ to Sz.
						TOI - 56.0 - Rubble recy O.K.
						56 - 60.2 v broken recy O.K
						60.2 - 72.2 rubble 7.6' core rec'd.
						72.2 - EOI v broken recy O.K

No obvious faults.

DDH 88V-29 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	88.0	28.1 91.23		16	31C #	(1000) minor
						m̄ soft, pale olive green & light grey, striped, calcareous, metabasite. Abundant calcite occurs in thin to locally thick whitish grey bands which define both S_1 & S_2. Pale olive green chl occurs in locally thick bands up to 3cm thick aligned ∥ to S_1 & S_2. S_2 surfaces are dark olive green.
						Local highly fractured peg-qtz vein from 88.3 to 89.4. Fractures are infilled with olive green chl
						TOT - 88.0 Rubble 3.6' core rec'd.
						88.0 - v̄ broken. Recy O.K.
	91.23	32.8 110.17.6		17	41C 10	±6 ±2 ±7
						Same as unit # 5. Po becomes more abundant in fractures moving down the unit. Est % S = 6%
						Core is m̄ broken. Recy GOOD
	110.17.6	33.9 111.10.1		18	3619	±7±3
						Mod soft, locally calcareous, carbonaceous phyllite. Overall colour is dark grey → black v̄ local pale green chl laminations near EOT. 109-109.8 contains thin qtz+cc siltstone laminae which define lithons. S_2 surfaces are dark shiny grey. Near EOT is 3cm thick interval of incipient gouge. Mag is ∥ to S_2.
						Core ▽ broken, recy good

DDH B.B.V.-2.9. (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1111 1	35.8 1117 5		19	1101Q19	(3C*) 50:50.
						TOP 2.5' of interval is a highly fractured, white pegm qtz vein. Local thin fractures are infilled w fine py. Margins of vein lost in rubble.
						Bottom 2.5' is a soft dull olive green chl v. + orange weathered carbonate, striped hydrobasite. Carbonate is likely ankerite or siderite. Sz surfaces are dull olive green w patch orange weathered carbonate. Striping is aligned // to Sz. Contains local thin intervals of incipient gouge. Core is rubble. Only 2.5' rec'd.
	1175	39.5 1129 6		110	14L12	±7 mnr. ± 9 trace
						Most soft noncalcareous, pale grey, altered musc rich phyllite. Local development of paper thin chl laminae along Sz foliation. Contains local thin qtz + py ± po "bands" + laminations poorly aligned to Sz. Fine py + po also infill local thin fractures. Traces of "splashy" cpy also infill thin fractures. Sz surfaces are dull medium grey. Est % S= 10%.
						TOZ - 126 in broken recy O.K
						126 - EOT rubble very O.K.
						No obvious faults.
	1296	41.3 1135 4		111	15A10	±9 [3693]
						Dark grey - black, calcareous, carbonaceous, musc phyllite. Sz surfaces are carbon-black. Contains thick qtz+cc siltstone laminae which define S1 x Sz. Unit appears similar to

DDH 88V-29

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						calcareous band noted in unit # 8. Qtz + cc siltstone laminae contain local fine dess^{n} py.
						TOI - 132.2 Rubble 2.2' core rec'd
						132.2 - EOI V broken rocky 0.K.
	1 1 3 5 4	42.0 1 1 3 7 7		1 1 2	1 4 L 1 2 1 4	±6. ± 1
						Mod^{n} soft, noncalcareous, light greenish grey to off-white, highly fractured, sulphide rich, altered musc + chl phyllite.
						Contains local thin band at 135 containing Sph + lesser Py + Ba + Gal.
						Local irregular qtz clasts up to 2 cm ϕ near EOI
						Pale green chl developed in fractures + paper thin laminae
						// to Sz Top 3" of unit contain paper thin carbonaceous
						foliation Sz surfaces range from a medium grey to
						a dull pale green. Est % Pb+Zn 2-3%.
						Core V broken. 2.5' rec'd.
	1 1 3 7 7	43.2 1 1 4 1 8		1 1 3	1 4 G 0 #	8
						Mod^{n} hard, calcareous, high grade baritic sulphide.
						Unit is thickly laminated, defined by abundant salmon
						coloured sph + varying py + ba content. Laminations
						aligned // to Sz. Unit is magnetic w local black
						clots + banded bands of black mag. Mag content
						increases moving down the interval. Fine cc occurs
						diss^{n} in thin laminations // to Sz. Bottom 2' of core
						broken in ½ by 1 deep cc' filled fracture.
						Est Pb+Zn 14-16%. No visible weathering.

Core slightly broken. Recov O.K. Assays = 8.48 Pb+Zn

DDH 88V-29 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1141 8	46.1 1151 3		114	141E10	±1 ±8 ±4 minor ± # V̄ minor. ±7 minor
						V̄ Hard, homogeneous brassy yellow massive pyrite. Locally contains fine interstitial grey qtz. in broad, poorly defined bands. Near TOI local V̄ thin bands containing Sph+Gal + calcite. Bands are < 2mm across aligned // to Sz. Black magnetite occurs locally in thin discontinuous black bands // to Sz. Last 3" of unit is high grade base metal rich band containing thin laminations of sph+gal and py. Last 1" of this band is massive bronze po.
						Est Pb+Zn 2-3% Est % Qtz 10-12%
						Core intact - very good. No visible weathering on cut or fracture surfaces.
	1151 3	47.5 1151 6 0		115	141L112	4 ±6 BxA
						Mod-soft locally hard, medium grey, siliceous, altered musc+ chl phyllite V. BxA Unit is 0 fractured + broken. Fractures infilled w/ fine py + lesser base metals. Individual clasts range up to 10 cm ϕ + show little rotation. Est % Pb+Zn 3-4%. Est % Py 12-15%. Contains local chl in thin laminations developed // to Sz folia. Overall colour is a medium grey. Unit is non-calcareous
						TOI - 154.0 V̄ broken very good
						154.0 - EOI S̄ broken very good.

DDH 88-V-29

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 28/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	115160	52.4 117120		116	14L1612	47 ± 1
						Medium greenish-grey, noncalcareous, locally siliceous, BS2 foliated altered chl > musc phyllite. Contains local thin bands defined by fine qtz + sph + lesser py. Also contains thin bands (generally < 1cm thick) of bronze Po. Po content ↑ moving down the unit. Sz surfaces are dull-dark greyish-green. Contains abundant medium green chl developed in thick laminations along Sz cleavage.
						Est % S= 8% Est Pb+Zn < 2%.
						Core slightly broken. Recov GOOD.
						EOH.

DDH 88V-29 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CR

ASSAY LOG (SAMPLER'S COPY) Date JULY 29/88 Sampled by CR

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 … 14	16 … 20	22 … 26	28 … 30	32 … 34	36 … 40	42
	7.3 / 12140	7.9 / 12160	116131316	120	116	14G418	Extreme, weathered
	12160	8.7 / 12187	116131317	127	147	14G41#	
	12187	9.9 / 13126	116131318	139	151	14G10#	
	13126	11.3 / 13170	116131319	144	150	14G10#	
	13170	12.8 / 14120	116131410	150	153	14A14	
	14120	14.3 / 14170	116131411	150	162	14A14	
	14170	16.0 / 15125	116131412	155	144	14A14	
	41.3 / 13154	42.0 / 13177	116131413	123	126	HL1214	±6±1
	13177	43.2 / 14188	116131414	141	127	14G10#	8
	14188	44.6 / 14162	116131415	144	157	14E10	±1±8 ±4 minor
	14162	46.1 / 15113	116131416	151	143	14E10	±1±8 ±4 minor
	15113	47.5 / 15160	116131417	147	160	4L1214	B≈A.
			EOH				

2 samples

DDH 88V-29 (2 of 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: JULY 29/88 Logged By: CVR

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		7.9 12160	PSR				618	Banding in 464
		11.9 13190	PSR				711	Banding in 4A4
		13.4 14140	PSR				715	" " "
		17.7 15180	PSR				711	Micaceous Foliation in 4L
		21.0 16190	PSR				710	" " " "
		25.0 18120	PSR				812	" " in 5C#
		28.3 19130	PSR				810	" " 4L
		31.1 11012 0	PSR				710	" " " "
		35.4 11160	PSR				713	calcite banding in 5C#
		37.2 11212 0	PSR				710	Micaceous Foliation in 4L
		39.6 11310 0	PSR				716	" " " "
		43.6 11413 0	PSR				615	B banding in 450
		48.5 11519 0	PSR				310	Chl laminations in 4L
		49.7 11613 0	PSR				418	" " " "
		52.3 11711 5	PSR				511	" " " "
								EOH

PROJECT 88V-29 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
28		3.5															
30		3.9		2.6													
32		2.9		1.0													
33		1.4		.6						* Depth		Length	RQD				
36½		3.4								117		2.6					
39		2.6		.5						121½		3.8	.7				
42		3.1		.7						124½		5.2					
45		4.2								132		5.2					
49½		2.4								136½		4.8					
52		2.2		.9						142		5.5	2.7				
55½		3.6								144		2.1	1.8				
60		5.7								149½		5.3	4.8				
65		3.2								152		1.5	.8				
70		2.4								154		2.4					
72		2.0								159		5.7	2.4				
74		1.9								163		3.9	1.4				
78		3.9								168½		5.3	3.0				
82		4.8								172		3.9	1.7				
83½		.9															
88		3.0															
92		4.3		.9													
96		3.9															
100½		4.6															
106		6.0		.4													
109		2.3															
112		2.5															

* cont.

Fig. 1. Typical rock mechanics core log.

88 V-30

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Jly 11/88

Hole Number: 88V-30

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit

Claim: ____

Terr.Plane Co-ords.: 690 2973.96 N 9756.59N

594 324.98 E 9983.05E

Grid Co-ords: 20E -0.5

Elevation: 1149.01 m.

All symmetry determinations looking

Total Depth: 152 FT. (46.3m)

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Vangorda Deposit Definition Drilling - Met Samples

Reason hole Terminated: Drilled Through Orebody

Logged by: C.V. Reed

Date(s) Logged: Jly 11/88.

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	152'

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine

Certificate No's: ____

Started: Jly 8/88 Completed: Jly 8/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-30 (2 8)

Date: JL/11/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-30	1179.01	902973.9	5943251.0		SR	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-30	00	180.0	000.0	AT COLLAR
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

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

DDH BBV-30
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 1988 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0	5.2 116 9		1	#	TRICONED - NO RECOVERY -
	116 9	9.4 310 8		2	#	OVERBURDEN TILL Small rebilled fragments of overburden gravel, tills. Pieces range in size up to 4" ϕ. 2.1' of re-drilled gravel recovered.
	310 8	20.0 615 7		3	31610	± 9 (1090) true Moderately soft, locally weathered, noncalcareous, light grey w local greenish tinge, locally Sz foliated, locally slightly carbonaceous phyllite. Sz surfaces are medium to light grey w local patchy rusty orange weathering coatings. Local development of pale green chlorite along Sz foliation. Unit becomes darker near EOI due to increase in carbon in thin laminae ∥ to Sz. Recovery is extremely poor. TOI - 35.5 - Extremely broken + poker chippy, 2.9' of core recovered 35.5 → EOI rubble, 6.2' of core recovered. Poor recovery probably due to extreme fracturing + weathering + likely not related to faulting. Centered at 41.8 is 4" highly fractured + weathered qtz vein.

DDH 88V-30 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1615 7	22.8 1712 1		14	41L012	IG ± GOUGE.
						Mod soft, noncalcareous, pale whitish grey w local pale green tinge, altered muscvchl phyllite. Unit is locally very friable. S_2 surfaces are creamy white w patchy chl, when rubbed w finger - whitish talc residue. Minor fine dess py in thin fractures + in thin laminations // to S_1 + S_2. Contain local minor incipient gouge in thin bands // to S_2.
						Unit is very broken - local rubble + gouge. 3.4' of core recovered.
	1712 1	29.7 1917 3		15	41G4	± BIH (4E486 ± # minor) 90:10
						Mod hard, thickly laminated to thinly bedded, calcareous, locally slightly magnetic, baritic / pyritic sulphides laminations defined by abundant honey coloured sph, + variations in ba + py content. Mag occurs locally in thin black discontinuous streaks // to S_2. Pale tannish - yellow oxidation coating present on local fracture surfaces.
						Est % Ba ranges from 10 - 20%. Calcite occurs w barite in laminations // to S_2. Calcite more abundant near TOI. Local very minor post drilling oxidation in small patches on py rich bands near EOI.
						Est Pb + Zn for 464 ≅ 10%
						84.4 → 86.0 - "flozer" bedded, very magnetic, high grade, siliceous, hard, noncalcareous, pyritic massive $S^=$, P_2 banding defines a fold nose. Mag present in large subrounded

DDH 88V-30

CURRAGH RESOURCES INC.
Lithologic Log

Date: 21, 11/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						black "clots". Clots range in size up to 2cm Ø. Unit contains
						abundant reddish-brown sph. Contains diss Ba - more abundant
						near TOI. Contacts of this bound are 11 to Sz. Est Pb+Zn
						15-18%.
						TOI - 74.9 Slightly broken. Recy GOOD
						74.9 - 84.4 Mod broken - Recy GOOD
						84.4 EOI Intact → Slightly broken. - Recy GOOD.
						No faults.
	19 7 3	32.8 1 10 7 7		16	14 C 3	± 9 trace
						Very hard, noncalcareous, pyrite banded qtzite. Banding defines
						Sz + bands range in thickness from 2" to 6". Est %
						Py 35% Est % Pb+Zn 42% Local post drilling oxidation
						in rusty orange streaks on pyrite bands. Minor dark
						brown oxidation coatings on fracture surfaces. Local splashy Cpy in
						fractures. Slightly broken - 8" of core loss.
	1 10 17 7	34.1 1 11 12 0		17	14 D 14	3 Bx ± 9 trace
						Highly fractured, very hard, noncalcareous, pyritic qtzite breccia.
						Contains abundant thin fractures infilled w py + lesser Pb+Zn
						Contains local, large white subangular peg qtz clasts -
						possibly a broken-up thin peg. qtz vein. Contains one
						2" clast of black carbonaceous phyllite. Local traces of Cpy
						in thin fractures. Est % sulphides - 30% Est Pb+Zn
						varies from 5 - 8%. Assay = 12.38%
						Slightly broken - Recy GOOD. No visible oxidation

DDH 88V-30 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 11/88 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1112 0	37.4 1127		08	41E10	± 8 ± 1 minor.
						Very hard, homogeneous, brassy yellow, fine grained massive Py.
						Contains local minor mag near FOI in thin discontinuous streaks // to
						Sz. Near EOI one 5" band containing dess fine grey qtz.
						Local post drilling rusty weathering in thin streaks. Est %
						Pb+Zn <2% Core is locally slightly broken along steep fractures
						Recy is good.
						No faults.
	1227	43.3 1141 9		09	4C38	± 9 trace 7 7 trace.
						Very hard, thick pyrite banded, noncalcareous qtzite. Contains
						black mag in thin bands generally <1cm thick alligned //
						to Sz. Est % Mag ± 3 Est % Py 30-40%. Remainder
						is qtz. Local streaks of rust orange post drilling oxidation.
						Local splashy Cp in fractures. Est Pb+Zn <1%
						Last 2" of unit is homogeneous fine Po band.
						Core is intact - very good
						No faults.
	1419	46.3 1512 0			41L6	17 ± 2 trace
						Mod soft, noncalcareous, PSz foliated altered musc+chl
						phyllite, contains abundant thick pale green chl laminations //
						to Sz. Near EOI, unit contains thick bands of Po
						ranging up to 3" thick. Po bands contain small angular
						clasts of qtz. Po also infills local fractures. Local minor
						Py in thin fractures. Sz surfaces are creamy white ~ local

DDH BBV-30
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 11/88 Logged By: CJR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						pale green chlorite slots.
						Core is very broken decay GOOD
						EOH

DDH 88V-30 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date Jly 11/88 Sampled by ____

DOUBLE SAMPLE

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	22.0 17R 1	23.1 17158	116113 3	137	144	141GM#	
	17158	24.3 17996	116113 4	138	145	141GM#	
	17996	26.3 18162	116113 5	166	175	4EM18 16	
	18162	27.3 18197	116113 6	135	144	141GM#	
	18197	28.6 19137	116113 7	140	141	141GM#	
	19137	29.7 19173	116113 8	136	139	141GM#	
	19173	31.8 11014 4	116113 9	171	178	141C31	± 9 trace
	11014 4	32.2 11017 7	116114 0	133	138	141C31	± 9 trace
	11017 7	34.1 11112 0	116114 1	143	145	141D1413	Bxa
	11112 0	35.1 11115 1	116114 2	131	133	141E11	∓ 8 minor
	11115 1	36.4 11119 4	116114 3	143	146	141E101	± 8 minor
	11119 4	37.4 11212 7	116114 4	133	140	141E101	
	11212 7	38.4 11216 0	116114 5	133	141	141C1318	
	11216 0	40.1 11311 5	116114 6	155	150	141C1318	
	11311 5	41.6 11316 5	116114 7	150	157	141C1318	
	11316 5	43.3 11412 0	116114 8	155	157	141C1318	
			EOH				

DDH 88V-30 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: July 11/88 Logged By: CVR

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	
		9.8 13 R	P S R				88	Miaceous Foliation
		20.1 16	P S R				90	" "
		23.2 7 6	P S R				88	Bx banding in 46
		27.1 18 9	P S R				55	" " " "
		31.2 11 10 12	P S R	5			76	P_2 banding in 4C
		37.2 11 12 12	P S R				76	Qtz banding in 4E1
		40.8 11 12 4	P S R				68	Mag streaks in 4C38
		43.6 11 14 3	P S R				78	Chl laminations in 4C6
		46.0 11 15 1	P S R				76	" " " "
								EOH

PROJECT 88 V-30 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (To)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
32		3.7															
35½		2.6															
42		.9															
50		.1															
52		.3															
57		1.4															
62		1.4															
66		1.2															
70		2.1															
72		1.9															
77		5.6		2.4													
82		5.4		2.1													
86		4.8		1.9													
91		5.7		4.2													
96½		5.4		2.6													
101½		5.6		1.7													
105½		4.5		1.7													
111		5.7		2.3													
116		5.3		3.9													
121		5.5		3.6													
126		5.8		4.6													
131½		5.0		3.2													
136½		5.4		5.0													
142		5.7		3.4													
144		3.2															
149		5.9															
152		3.4															

EOH

Fig. 1. Typical rock mechanics core log.

88V-31

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Sept. 15/88

Hole Number: 88V-31

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit

Claim: ____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6903008.83 N — 9787.37

594317.79 E — 10,000.96

Grid Co-ords: 19E B/L

Elevation: 1147.60 m.

All symmetry determinations looking

Total Depth: 105.5 ft. (32.2 m)

NW with S2 dipping

Inclination: -90° Vertical

SW with dip azimuth ____.

Purpose: Ore reserve definition

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Reed

Date(s) Logged: Sept. 15/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	105.5

Hole Cemented: N

Steel down Hole: N

Collar Cased and Capped: N

Assay Lab: Mine B-G Au Sg.

Certificate No's: ____

Started: July 8/88 Completed: July 9/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH BBV-31 (2 8)

Date: Sept 15/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	BBV-31	11417.60	9030088.8	5943171.8		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	BBV-31	00	180.0	0.0	AT COLLAR
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

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

DDH 88V-21
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03 of _____

Date: SEPT 15/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	1219 5		1	#	Cored ∴ not recovery
		19 0				
	1219 5	1311 0		2	#	O/B 10AB boulder fragments.
		19 4				Pinkish-tan, 10AB anvil batholith O/B boulder fragments.
						Largest piece is 5 cm long. No O/B mud/kill rec'd.
						1.5' boulder fragments rec'd
	1311 0	1315 1		3	141E10	8. ± 8 minor
		1107				∴ hard, highly broken, brown, magnetitic, nonCalcareous,
						homogeneous fine grained massive pyritic sulphide. Contains magnetite
						to thin discontinuous bands + large "clasts" up to
						4 cm ϕ Contains local minor small subrounded dol clasts
						in 8" thick band at 33.0. Minor patchy rust weathering
						present on broken surfaces. Cut surfaces are fresh.
						No obvious faults Est % Pyrr ± 2%.
						TOI - 32.0 Rubble, recy O.K (Spread out in box)
						32.0 - EOT ∴ Broken, recy O.K.
	1315 1	1512 0		4	141E118	± 8 minor.
		1158				Poorly banded, very hard, brown, semi massive, pyritic
						s= Contains thin to locally thick bands defined by
						py + interstitial fine grained grey qtz. Bands are aligned
						// to S2. Est % Qtz - 15-20%. Mag occurs in thin
						discontinuous black bands + streaks aligned // to S2.
						Dol occurs locally in small local subrounded clasts which have
						weathered to tan-orange. No obvious faults. Unit is

C.R.I. 1987 E-3A

DDH 88-V-31 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 15/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						locally highly fractured + broken. Local tan - orange rust on fracture surfaces. Cut surface is fresh.
						Est Pb+Zn 2-3%.
						TOI - 39.0 v broken due to steep fracturing. Recov, GOOD.
						39.0 - 43.7 m broken, recov good.
						43.7 - 48.4 rubble due to fracturing. recov good
						48.4 - EOI 5 broken, recov good.
	1520	1611 9		15	14C13	1 5 trace.
		1189				Poorly banded, nonlaminaceous very hard, barren, pyritic qtzite. Banding ranges on a scale of 1 cm to 50 cm - defined by fine py + interstitial grey qtz. Est % Py 50-60%. Est Pb+Zn < 2%. Contains local traces of paper thin black carbonaceous foliation aligned // to S2. No faults - No visible weathering.
						TOI - 57.0 m broken, recov good.
						57.0 - EOI intact.
	1611 9	1673		16	14A10	
		2055				Medium to dark grey, moderately carbonaceous, ribbon banded pyritic qtzite. Ribbon banding is defined by dominate Py + interstitial grey qtz. Banding is thin, generally < 2 cm and locally defines lithons. Banding is 50-60% of unit volume. Est % Py is 30-35%. Est % Pb + Zn < 2%. No faults, no visible weathering.
						Core m broken, recov good. Margins of 4A banded are

DDH BBV-31 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 15/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						// to Sz.
	1617	1710		17	14C13	± 5 (4L24) 60:40
		1211				TOI - 68.5 is mod soft, nonvolcaneous, pale grey, green altered muscovitic phyllite. Contains abundant thin stringers of dominately Py + lesser sph + gal. Margins of 4L band are slightly brecciated
						68.5 - EOT is v hard, nonvolcaneous, poorly handed, barren, pyritic qtzite. Est % Py 40-50%. Py decreases moving down the hole. Contains locally abundant thin hair-line fractures infilled w Py. Local minor rust on cut surface.
						Est Pb+Zn for entire interval < 2%.
						TOI - 68.2 v broken, heavy gouge.
						68.2 - EOT S broken, heavy gouge.
	1710	1812		18	14C13	I 7 minor → [4B1 ± 7 minor]
		1851				v hard, nonvolcaneous, pyritic qtzite transitional to siliceous massive pyritic S=. Unit is base metal poor. Pb+Zn < 2%. Contains local minor Po dissem in Py rich bands. Py bands range in thickness from < 1 inch to 2' thick. Py bands are 70% of unit volume. Est % Py 60-65%.
						Unit contains abundant, fine post Sz fractures infilled w Py. Fractures generally oriented 40° to core axis.
						TOI - 72.0 v broken due to steep fracture. Rubble o.k.
						72.0 - EOI intact.
						No faults, local patchy white powdery weathering coatings on

DDH 88V-31 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 15/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						broken surfaces.
	188 2	191.9 3		19	141C1317	±8 v ±9 trace "chloritic" (4537±8 v ±9 trace "chloritic") 70:30
		193.3				v hard, thinly banded, noncalcareous, magnetic, pyritic qtzite. Banding defines Sz. Bands consist of dominate Py, lesser Po and locally sph + gal. 91.9 to EOI - base metal bands more abundant. Est Pb+Zn in this interval is 5-6%. Remaining interval Pb+Zn ± 2%. Contains local thin bands + clumps of magnetite. Cpy occurs in traces in local thin fractures. Entire interval is highly fractured (post Sz) Fractures are infilled v dominate Py, lesser Po, lesser Sph + Gal. Unit contains local paper thin chl folia developed ∥ to Sz. Chl content ↑ moving down the interval. Est % Py 20%. Bottom contact is sharp, ragged + X cuts Sz
						TOI - 85.0 m broken, very good
						85.0 - 93.4 v broken very good
						93.4 - 95.5 intact
						95.5 - 97.9 v broken, very OK
						97.9 - EOI intact.
	199 3	211015 5'		110	14L1012	47±1 "stringered" (1099) 95:5
		213 2				Mod soft to locally hard, white-grey, noncalcareous, PSz foliated altered mesic ± chl phyllite. Sz surfaces are shiny silvery grey ± local pale green chl clots. Contains local thin stringers, bands, + fracture infills of py + lesser Po and traces of sph. Unit is locally hard due to abundance

DDH 88V-31

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 15/88 Logged By: C.V.R

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						of thin silica rich bands.
						102.9- 103.3 is highly fractured, foliation, pegmatitic qtz
						vein. Thin fractures are infilled w Gal + Sph.
						Est % S= for entire unit = 7-8% dominately Py
						Core is broken. Recy GOOD
						EOH

DDH BBMV-31 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CMR

ASSAY LOG (SAMPLER'S COPY) Date SEPT 15/88 Sampled by CM

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	1310	1315	116171512	141	160	14E1018	± 8 minor
	1315	1410	116171513	149	153	14E1118	
	1410	1414	116171514	143	151	14E1118	
	1414	1417	116171515	133	152	14E1118	
	1417	1512	116171516	143	153	14E1118	
	1512	1517	116171517	150	156	141C13	± 5 trace
	1517	1618	116171518	149	150	141C13	± 5 trace.
	1619	1617	116171519	154	166	141410	
	1617	1710	116171610	127	134	141C13	± 5 (4L24) 60:40
	1710	1713	116171611	138	142	141C13	→ [4E1]
	1713	1717	116171612	138	140	141C13	
	1717	1812	116171613	146	148	141C13	
	1812	1816	116171614	143	153	41C13171	± 8 ± 9 trace
	1816	1910	116171615	143	150	41C13171	± 8 ± 9 trace
	1910	1915	116171616	143	156	41D13171	± 8 ± 9 trace
	1915	1919	116171617	142	151	41D13171	± 8 ± 9 trace

EOH

DDH 88-V-31 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: SEPT 15/88 Logged By: CVR

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	
		1410 5	PIS12				612	Vague banding in 4E
		1414 5	PIS12				615	Micaceous Foliation
		1512 0	PIS12				619	" "
		1614 5	PIS12				612	Banding in 4C
		1719 5	PIS12				618	" " "
		1812 0	PIS12				710	Micaceous Foliation.
		1917 0	PIS12				516	Banding in 4C.
		1918 0	PIS12				710	Micaceous Foliation.
		1101410	PIS12				612	" "
			EOH					

PROJECT 88V-31 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
31		1.5															
34		4.7		.8													
39		5.3		.9													
42		3.8		1.7													
47		6.5		1.7													
52		5.9		1.8													
57		5.8		1.2													
62		5.1		4.1													
65		4.0		1.5													
72		7.8		2.3													
77		5.4		5.0													
82		5.4		4.4													
87		5.7		1.4													
89		1.9		.8													
92		3.5		1.9													
97		5.8		3.2													
102		5.5		1.7													
105½		3.8		.5													
		EOH															

Fig. 1. Typical rock mechanics core log.

88 V-32

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug 31/88

Hole Number: 88V-32

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit.

Claim: ____

Terr.Plane Co-ords.: 6 902 996.83 N 10017.07 E

594 350.15 E 9756.83 N

Grid Co-ords: 20 E +0.5

Elevation: 1151.8 m.

All symmetry determinations looking

Total Depth: 90.0 ft. (27.4 m)

NW with 52 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Vangorda Deposit Definition Drilling & Met. Samples.

Reason hole Terminated: Drilled into footwall.

Logged by: C.V. Reed.

Date(s) Logged: Aug. 31/88

Drilling Contractor: Arctic Diamond Drilling

CORE Size	From	To
NQ	0	90'

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine

Certificate No's: ____

Started: Jul 4/88 Completed: Jul 4/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-312 (2 … 8)

Date: AUG 31/88 Logged By: CUR.

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T	88V-312	11151.80	9029961.8	5943501.2		52	

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
	2 … 8	10 … 14		22 … 26		28 … 32	34 … 56
R	88V-312	00		180.0		0.0	AT COLLAR
R							
R							
R						

DDH 88V-32

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 31/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	1310 3		1	17	Cored w no recovery
		9 2				
	1310 3	1312 0		12	17	O/B 10AB Boulder fragments, largest fragment 8 cm long.
		9 8				Boulder locally weathered to orange-rust colour. No mud
						fill noted.
						1.6' 10AB O/B boulder fragments noted.
	1312 0	1316 3		13	14 E1	
		11 1				Red/rust, siliceous, semi-massive pyrite fragments. Largest
						fragment 3 cm long. Average fragment size 1cm ϕ. Grade
						difficult to visually estimate due to extremely poor core
						condition. Pb+Zn < 2%?
						1.3' of small subangular semi massive pyritic sulphides
						recovered. No visible cutting.
	1316 3	1410 1		14	14 E 18	±4. BxA
		12 2				Mod- hard, highly fractured, poorly banded, magnetic massive
						pyritic s=. Abundant mag. occurs infilling fractures, + in
						"ragged" local poorly defined bands // to Sz. Fractures are
						generally steep, < 25° to core axis and locally range in thickness
						up to 3 cm. Fractures locally infilled w massive galena +
						sphalerite. Est % Pb+Zn ranges from 2-10% Overall
						grade ≈ 8%. Local minor rust on cut + broken surfaces.
						TOI → 38.8 m broken, very good
						38.8 → EOI Rubble due to steep fracture which has been
						infilled w dol. Fracture is locally porous due to

DDH 88V-32 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 31/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						weathering of carbonate.
	1410	1412 0		15	14G14	± 8 minor.
		12 8				Mod⁻ hard, grey-brown, noncalcareous, thinly banded, high grade baritic S⁼. Banding defined by variations in honey coloured sph + py content. Banding generally < 1 cm thick aligned // to S_2. Mag. occurs locally in tiny specks in trails aligned // to S_2. No faults, No visible weathering
						Core mod⁻ broken, Recy GOOD - Margins of 46 band are sharp, // to S_2
	14R 0	1414 0		16	14E10	± 1 minor.
		13 4				v̄ hard, brassy, yellow, noncalcareous, massive homogeneous fine grained pyrite. Local minor interstitial grey qtz in thin local pods, defined bands aligned // to S_2. Est % Qtz 10-12%. No visible grade. No faults No rust.
						Core slightly broken, Recy GOOD.
	1414 0	1511 5		17	14E8	± 4 ± 1 minor ± 1 minor
		15 7				Yellow-brown, v̄ hard, thinly banded, locally siliceous, highly magnetic, massive pyritic S⁼. Banding defined by black magnetite, + fine grained, interstitial grey qtz. Banding is < 1 cm thick aligned // to S_2. Local minor sph + gal in thin bands // to S_2. Contain local small fractured white qtz eyes with long axis // to S_2. Eyes generally < 3 cm ø.

DDH 88V-32

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 31/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Dol occurs locally in small subrounded clasts which have weathered to a rusty tan colour
						Est % Qtz 15-20%. Est Pb+Zn 4-6%. No faults.
						Local minor patchy post drilling rust on cut surface.
						TOT-49.0 Mod° broken, Recy 60%.
						49.0 → EOT V broken, Recy O.K
	151 5	178		18	41C3	± 8 minor ± 3 minor ± micaceous foliations ± 9 trace
		238				Highly fractured + broken, V hard, thickly banded, pyritic
						qtzite. Near TOT, local mag. occurs in thin discontinuous
						bands aligned // to Sz. Contains local minor, highly fractured,
						pale tannish yellow dol clasts ranging up to 3 cm ϕ.
						Cpy occurs in traces infilling local thin fractures. Banding
						defined by fine py + interstitial grey qtz ranging on a
						scale up to 1.0' thick aligned // to Sz. Est % py
						30-40%. Cal infills local minor thin fractures.
						Poor core condition & high degree of fracturing may
						indicate proximity to a fault.
						Est Pb+Zn ranges from 1 to 3%.
						Moving down the hole, frequency of paper thin micaceous
						foliations increases. Core commonly breaks along these foliations.
						TOT → 53.5 Rubble, 2.3' rec'd.
						53.5 → 56.2 M broken, recy O.K.
						56.2 → 66.0 Rubble 13.5' (spread out) rec'd.
						66.0 → 69.0 V broken Recy O.K.
						69.0 → 70.0 Rubble, recy O.K.

DDH B.B.V-33 (2 of 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 31/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						70.0 → 74.9 v broken due to fracturing 5.4' (spread out) recovered.
						74.9 → EOI Rubble 1.9' rec'd.
	1718	1910			1416	± 2 minor ± 4 minor.
		274				Moderately soft, highly fractured + broken, noncalcareous, pale green-grey, altered chl > musc, phyllite. Chl occurs in thin laminae // to S_2 + infills abundant thin fractures. Minor Py + Sph infill local thin fractures + occur in minor quantities diss in thin qtz rich bands. Bands are // to S_2.
						Est % S = 3-4%. Dominately Py. Bands containing sulphides more abundant near TOI
						TOI - 83.5 Rubble 4.4' rec'd.
						83.5 - 87.5 v broken 2.9' rec'd.
						87.5 - EOH Rubble 1.8' rec'd.
						Contact with higher qtzite is lost in rubble.
						EOH

DDH 88V-132 (2 … 8)

CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date AUG 31/88 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	9 8	11 1					
	1312 0	1316 3	1161217	143	118	1 14 E 1	
	1316 3	12 2 1410 1	1161218	139	137	1 14 E 18	± 4 B×A
	1410 1	12 8 1412 0	1161219	119	122	1 14 G 14	± 8 minor
	1414 0	13 4 1414 0	1161310	120	123	1 14 E 10	± 1 minor
	1414 0	14 6 1418 0	1161311	140	138	1 14 E 18	± 4 ± 1 minor ± 8 minor
	1418 0	15 7 1511 5	1161312	135	134	1 14 E 14	8 ± 1 minor ± 8 minor
	1511 5	16 9 1515 4	1161313	139	147	1 14 C 13	
	1515 4	18 4 1610 5	1161314	151	179	1 14 C 13	
	1610 5	20 0 1615 6	1161315	151	168	1 14 C 13	
	1615 6	21 1 1619 3	1161316	137	147	1 14 C 13	
	1619 3	22 3 1713 1	1161317	138	143	1 14 C 3	
	1713 1	23 8 1718 0	1161318	149	142	1 14 C 2	

FOLD

DDH 88.V.-32. 2 8

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: AUG 31/88 Logged By: CUR

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	
		12 6 14 11 2	PIS R				8 10	Banding in 464
		15 6 15 1 3	PIS R				7 16	Banding in 4E8
		19 5 16 14 0	PIS R				6 16	" " 463
		20 6 16 17 5	PIS R				3 15	Banding in 4C7
		22 6 17 14 0	PIS R				4 12	" " "
		24 1 17 19 0	PIS R				6 13	" " "
		25 6 18 14 0	PIS R				5 12	Micaceous Foliation
		27 1 18 19 0	PIS R				5 16	" "

PROJECT 88V-32 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
32		1.7															
36		1.1															
41		4.8		2.0													
44		3.4		1.5													
48		3.8		.5													
49		1.1															
51		1.3															
53½		3.0															
58½		5.8		1.6													
60		3.1															
62		2.6															
64½		3.3															
68½		4.5		1.1													
70		2.1															
72		2.2															
73		.8															
78		4.3		.8													
80½		1.6															
82		1.4															
86		3.2															
90		3.8		.7													

Fig. 1. Typical rock mechanics core log.

137 78° Microwave Polishing

145 70° No bending in 4C

154 66 Small bending in 4D

158.2 CJ2 S, 32 180 S.72

167 76 Bending in 4D4

88V-33

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug. 3/88

Hole Number: 88V-33

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit

Claim: _____

			Model Co-ords	
Terr.Plane Co-ords.:	6 902 901.96	N	9632.91	N
	594 429.87	E	10 013.17	E

Grid Co-ords: 24E +0.5

Elevation: 1156.17

All symmetry determinations looking

Total Depth: 139 ft. (42.4 m)

NW with 52 dipping

Inclination: -90° Vertical

SW with dip azimuth _____.

Purpose: Reserve Definition + Met Samples.

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Reed.

Date(s) Logged: Aug. 3/88

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented: N

Steel down Hole: N

CORE Size	From	To
NQ	0	139.0 ft.

Collar Cased and Capped: N

Assay Lab: Mine B-C Au + S.G

Certificate No's: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-33 (2 … 8)

Date: Aug 3/88 Logged By: CUR

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	88V-33	1156.17	9029020.0	594429.9		S	

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
1	2 … 8	10 … 14		22 … 26		28 … 32	34 … 56
R	88V-33	0	0	180.	0	0.0	ATCOLLAR
R				.		.	
R				.		.	
R				.		.

DDH 88V-33
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 3/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	4.9 16 2		1	#1	Cored w/ no recovery.
	16 2	5.1 16 6		2	#1	Overburden.
		15 1	m			O/B pebbles + mud. Pebbles are ≤ 1cm ø consist of dominate subrounded phyllite + qtz. Mud is light tannish-brown. 5" recovered.
	16 6	24 9		3	3G10	Weathered ± 6 trace.
		7 6	m			Mod soft, noncalcareous, medium grey where fresh, mosc tchl phyllite. Unit shows abundant reddish-brown rust on fracture + cut surface. S_2 surfaces coated with rust. Local thin qtz siltstone laminae locally define S_1 + S_2. Qtz-siltstone laminae contain traces of fine dissem py.
						TOI → 18 Rubble Recy GOOD
						18 - EOI ∈ Broken Recy, GOOD
	24 9	41 36		4	3G10	± 9 Mod Weathered
		13 3	m			Medium to dark grey locally slightly carbonaceous mosc + chl phyllite. S_2 surfaces range from shiny medium to dark grey. Unit is noncalcareous. Contains local thin chl laminae developed along S_2. Local patchy rust on S_2 + cut surface.
						TOI → 33.0 v broken + poker chipping 8.4' rec'd.
						33.0 → EOI rubble 6.3' core rec'd.
						33-38.0 3.4' rec'd / 38.0-42.0 0.5' rec'd / 42-EOI 1.5' rec'd.

DDH 88V-33 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 3/88 Logged By: CVA

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	413 6	517 5		5	31610	Mod Weathered
		117 5				Where fresh, unit is medium - light grey, mod soft noncalcareous musc + chl phyllite. Sz surfaces are dull medium grey with local pale green chl. clots. Chl. locally developed in thin folia // to Sz. Local thin qtz silt stone laminae define microlithons. Abundant patch orange rust weathering on Sz, fracture + cut surfaces. Contains local thin bands of flakey incipient gouge // to Sz. Gouge intervals are generally < 2cm thick.
						TOE - 45.8 Rubble 7.1' rec'd.
						45.8 - 49.0 Mod broken. Recy GOOD.
						49.0 - 54.0 V broken W local thin bands of incipient gouge. 5.6' rec'd.
						54.0 - 54.8 Rubble 1' rec'd.
						54.8 - EOT mod broken 2.7' rec'd.
	517 5	717 5		16	41616	±2 % GOUGE (3G9 ± GOUGE) 85:15
		216 6				TOE - 58.7 V soft, noncalcareous, dark grey to black, carbonaceous phyllite. Sz surfaces are carbon black. Local flakey gouge from TOE → 57.7 + 58.6 → 58.8.
						58.7 → EOT pale green - grey, noncalcareous, altered chl >> musc phyllite. Sz surfaces are pale dull green. Contains local thin qtz + py laminations which define S_1 + S_2 metamorphic fabrics. Local flakey gouge + 2.5' of core loss between 63' - 66.0'. Minor incipient gouge at 72.0 Lost.
						TOE → 59.0 V broken W local gouge V recy, Oil's

DDH B.B.V.-33-8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 3/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						54.0 → 62.0 m broken very good.
						62.0 → 72.0 rubble, 3' rec'd.
						72.0 → 74.0 v broken 2.5' rec'd.
						74.0 → 75.9 rubble 1.4' rec'd.
						75.9 → EOI s broken very good.
	1717 5	1911 6		17	14L10	2 ± 6
		21 → 9				Light grey w local pale green chl. laminations, noncalcareous,
						most soft muscovite chl phyllite. Pale green chl. laminations
						locally developed along Sz Folia. Contains local thin qtz +
						py laminae which define both S1 + S2. Est % Py
						± 8%. 91 - EOI local flakey gouge. At 82.0 local
						minor incipient gouge.
						EOI → 80.0 v broken very GOOD
						80.0 → 82.5 rubble 1.4' recovered.
						82.5 → 86.6 m broken 5.3' recovered.
						86.6 → 87.6 rubble 1.1' recovered.
						87.6 → 91.0 v broken very good.
						91.0 → EOI rubble + gouge. pieces good.
	1916	1104 4		18	14G14	± #
		318				Greyish-brown, moderately hard, high grade, baritic s=. Contains
						local thin feathery streaks containing fine dust calcite.
						Unit is thinly laminated - defined by variations in Ba +
						Py content. Est % Ba 25-30%. Est Pb+Zn 14%.
						No visible weathering.

DDH 88V-33

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 3/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						core is locally slightly broken along steep fractures. Recovery is good.
	1014 4	1178		19	14E4	± 1 ± # ± 8 minor + Porous
		1359				Mod⁻ hard, locally siliceous, locally calcareous, massive pyritic S⁼. Unit is locally poorly banded defined by local interstitial grey qtz. Calcite occurs locally in small irregular white clasts which are concentrated in local bands up to 15 cm thick. Near TOI local thin bands containing sph + gal aligned // to S_2. Bands are generally < 2 cm thick. Top 3' of unit is porous due to weathering of carbonate? Local, irregular black mag. clasts? associated w/ cc clasts in band from 108.2 - 109.5. Local minor patchy rust on fracture surfaces. Est Pb + Zn 2-4% Low TOI → 106 v broken, recovery good / 106 → EOI mod⁻ broken recovery good.
	1178	1310 7		110	14F10	± 9 trace. Locally slightly porous
		1398				v hard, noncalcareous, pyritic banded qtzite. Bands consist of Py + interstitial grey qtz range on a scale up to 10 cm across aligned // to S_2. Contains local traces of splashy Cpy in fine fractures. Est % Py 30% Est Pb + Zn < 2% Local patchy rust on fracture surfaces. TOI → 125.8 Intact, recovery good 125.8 → EOI m broken, recovery good.

DDH BOV-33 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 3/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1313.7	1313.0		11	41C10	5 → [4AO]
		1410.5				V hard, noncalcareous, dark grey to locally black, carbonaceous qtzite. Unit is highly fractured. Fractures infilled w dominate P_y + lesser cc + qtz. S_2 surfaces are carbon black near TOI becoming medium to dark grey near EOI. Est % P_y 15-20% Est $Pb+Zn$ <2%. TOI → 132.0 Mod broken recvy good.
						132 → 133.0 rubble, recvy good.
	1313.0	1319.0		12	41L16	(100) 90:10
		1412.4				Pale olive green, soft, noncalcareous altered ch1 >> musc phyllite. S_2 surfaces are pale olive green. Contain local V thin laminae containing P_y + interstitial grey qtz. 135.5 → 140.0 peg-white foliaform qtz vein. Unit is PS_2 foliated.
						Unit is mod broken. Recvy GOOD.
						EOH

DDH 88V-33 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CM

ASSAY LOG (SAMPLER'S COPY) Date AUG 3/88 Sampled by CUR

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 … 14	16 … 20	22 … 26	28 … 30	32 … 34	36 … 40	42
d.s.	27.9 / 19116	29.1 / 19155	116131919	13 9	14 8	1 14 G H	
	19155	30.7 / 11010 6	116141010	15 1	15 2	1 14 G H	
	11010 6	31.8 / 11014 4	116141011	13 8	14 8	1 14 G H	
	11014 4	32.8 / 11017 7	116141012	13 3	14 5	1 14 E 14	± 1
	11017 7	33.8 / 11111 0	116141013	13 3	14 9	1 14 E H	± 1
	11111 0	35.0 / 11114 8	116141014	13 8	13 3	1 14 E 10	± 1 ± 4
	11114 8	35.9 / 11117 8	116141015	13 0	13 5	1 14 E 10	± 1 ± 4
	11117 8	37.2 / 11212 1	116141016	14 3	14 9	1 14 C 10	± 9 trace
	11212 1	38.6 / 11216 7	116141017	14 6	15 0	1 14 C 10	± 9 trace
	11216 7	39.8 / 11310 7	116141018	14 0	15 0	1 14 C 10	± 9 trace
	11310 7	40.5 / 11313 0	116141019	12 3	13 0	1 14 C 10	5 → [4A0]

DDH 88V-33 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: AUG 4/88 Logged By: CVR

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	
		6.3 210 8	C S 2			414 010	715	Microscopic Foliation
		9.4 311 0	P S 2				810	" "
		11.6 318 0	C S 2			416 010	716	" "
		16.9 515 5	P S S				716	" "
		18.6 611 0	P S 2				812	" "
		24.1 719	P S 2				710	P_3 banding in 4L.
		25.9 805 0	C S 2			314 010	712	P_3 banding in 4L.
		28.3 913 0	P S 2				72	Banding in 464
		32.3 1016 0	P S 2				812	Banding in 464
		35.7 1117 0	P S 2				615	Banding in 460
		40.2 1311 8	P S 2				714	Carb foliation in 440
		41.5 1316 0	C S 2			615 1810	712	Microscopic Foliation.

C.R.I. 1987 E – 4

PROJECT 88V-33 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
18		1.8															
22		4.5															
26		4.7															
32		6.1															
33		.7															
38		4.8															
42		.6															
45½		2.6															
49		3.7															
50½		2.1															
54½		3.9															
58		4.1															
62		3.1															
66		1.4															
72		2.0															
74		2.9															
75		.3															
80		5.8															
82		.6															
87		6.3		.4													
92		5.6		.4													
97		6.0		3.2													
102		5.8		3.4													
107		5.9		.4													
111		5.2		2.0													
116½		6.3		1.2													

* → cont. →

			Depth	Length	KQI
			121	5.0	3.2
			126	5.1	3.5
			132	7.1	2.7
			133	1.3	
			137	4.9	.4
			139	.7	

EOH

Fig. 1. Typical rock mechanics core log.

88V-34

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Sept 10/88

Hole Number: 88 V-34

Reference Fabric Orientation Diagram:

Project: Vanguarda 88 Drilling

Location: Vanguarda Deposit

Claim: ____

MODEL CO-ORDS
9602.99
10,000.95

Terr.Plane Co-ords.: 6902871.53 N

594 440.72 E

Grid Co-ords: 25 E B/L

Elevation: 1156.98 m

All symmetry determinations looking

Total Depth: 135.0 ft. (41.1m)

NW with SW dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: One reserve definition

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Reed

Date(s) Logged: Sept. 10 / 88

Drilling Contractor: ____

Hole Cemented: N

Steel down Hole: N

CORE Size	From	To	
NQ	0	135.0	ft.

Collar Cased and Capped: N

Assay Lab: Mine B-C Au S.G

Certificate No's: ____

Started: July 10/88 Completed: July 10/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-34

Date: Sept 10/88 Logged By: CUR

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	88V-34	1156.98	9028711.5	594440.7		S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	88V-34	100	180.0	0.0	AT COLLAR
R			.	.	
R			.	.	
R			.	.

DDH 88VI-34 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 10/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	10	14 10 3		1	#	Cored = no recovery
		12 3				
L	14 10 3	14 11		12	#	
		12 5				O/B mud fill + small fragments of 10 AB O/B granitic boulders. Largest piece rec'd is 5 cm long. Mud has abundant organic material & contains small, rounded O/B pebbles.
						0.8' O/B mud + 10 AB fragments rec'd.
	14 11 1	15 16 0		13	13 16 10	Weathered
		17 1				Highly broken + weathered, mod soft, medium grey, v weathered mass phyllite. Abundant rusty orange weathering coatings on Sz + cut surface. Largest piece is 8 cm long. Where fresh, Sz surfaces are shiny, steely grey. No obvious faults although core is in very poor condition. Non calcareous
						TOI - 47.0 Rubble, 3.3' rec'd
						47.0 - 49.5 Rubble, 1.0' rec'd.
						49.5 - 52.0 Rubble, 1.6' rec'd.
						52.0 - EOI Rubble 0.8' rec'd.
	15 16 0	15 19 5		14	13 16 19	
		18 1				Dark grey to black, carbonaceous, non calcareous, PSz foliated, mass phyllite Sz surfaces are shiny dark grey + only slightly mark fingers. Core is extremely broken. Largest piece 3cm long. Only slight patchy rust on Sz surfaces.
						Core is rubble, 4.2' rec'd.

DDH B.B.V.-3.4.
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 10/88 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1519 5	1 1014 5		15	14K10	± 2 minor ± 7 minor.
		1311 9				Mod soft, non calcareous, cream-white, altered musc + chl ph, ill-like.
						Sg surfaces are dull pale creamy-white w local "talcose" coatings.
						Contains local minor thin stringers + bands of gtz + py + lesser dol. These bands locally define litho. Est % S =
						6-8%. Unit is locally v broken + highly fractured.
						TOI → 65.7 Rubble 1.6' rec'd.
						65.7 → 67.8 V Broken, recy o.k.
						67.8 → 77.0 Rubble, 3.3' spanned out rec'd.
						77.0 → 87.0 Rubble 3.3' rec'd.
						87.0 → 92.0 V Broken, recy o.k.
						92.0 → 102.0 V Broken, 6.2' rec'd.
						102.0 → EOI rubble. 3.1' rec'd minor incipient gouge at
						EOI.
	1 1014 5	1 1 1 1 3		16	14G14	± # trace.
		313 9				Dark brown-grey, thinly Pbz banded, moderately baritic, high grade
						massive pyritic sulphide. Banding is generally < 1 cm thick + defined
						by abundant red-brown sph. Top 1.5' of unit is locally
						porous due to weathered carbonate. Contains thin laminations
						containing dess' barite. Broken surfaces have yellow-tan weathering
						coatings. Cut surface is fresh. Near EOI, one thin feathery
						streak containing dess' calcite.
						Est Pb+Zn 14-16%.
						TOI → 107.0 is V broken due to steep fracture. 0.5' core loss
						107.0 → EOI M broken, recy good.

DDH 88-V-34

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 10/88 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
	111V3	11215		7	14E11	± 8 minor.
		3183				Brassy yellow + grey banded, v hard, noncalcareous, siliceous, semi-massive pyrite. Unit is thinly banded ll to Sz; defined by fine grey qtz + less fine py. Top 1.5' of unit contains thin bands of magnetite + lesser sph. Est % qtz 15-20%. qtz content increases moving down the hole. Bottom 1.5' has local development of micaceous foliations along Sz. Local minor patchy post drilling rust on cut surface. Est Pb+Zn ~ 2%
						TOI - 114.1 v broken due to steep fracture. Recy GOOD.
						114.1 - 124.1 intact, recy good
						124.1 - EOI v broken, recy good.
	11215 5	11315 0		18	14L1214	7 "stringered"
		1411				Mod soft, white-grey w local green tinge, highly fractured. PSz foliated altered mustr → chl phyllite. Contains abundant thin stringers + bands of dominantly Py + lesser Po + minor sph + gal. Sz surfaces are shiny grey w local pale green chl coats. Est % S= 12%. Est Pb+Zn 3-4%.
						TOI → 129.0 v broken 2.5' recd.
						129.0 → 131.0, 2 3" Po rich 4L fragments recd.
						131.0 → EOI Rubble - 6" of Po rich 4L fragments ranging in size from 2 cm ∅ to 5 cm ∅.
						EOH

DDH 88V-2,4 (2 8)

CURRAGH RESOURCES INC.

Page _____ of _____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY)

Date SEPT 10/88 Sampled by CA

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14	16 20	22 26	28 30	32 34	36 40	42
2 samples	11014 5	11018 2	116712 14	13 7	13 6	14164	
	11018 2	11117	116712 15	13 1	13 7	14164	
	11117 3	11157	116712 16	14 4	14 9	14E11	÷8
	11157 7	11210 8	116712 17	15 1	15 5	14E11	
	11210 8	11215 5	116712 18	14 7	15 4	14E1	
	11215 5	11219 0	116712 19	13 5	14 0	14612 14	7
	11219 0	11315 0	116713 10	16 0	11 2	14617 1	Very Poor Recovery!

DDH 88-V-34 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: SEPT 10/88 Logged By: CVK

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	
		1413 0	PIS 12				718	Micaceous Foliation
		1419 9	PIS 12				716	" "
		1616 0	PIS 12				715	" "
		1712 3	CIS 12			18 080	712	Lithons in 4L.
		1911 0	PIS 12				613	Chl lamination in 4L
		11011 0	PIS 12				713	" " " "
		11017 2	PIS 12				718	Banding in 4G
		11117 0	PIS 12				615	May bands in 4E18
		11212 0	PIS 12				416	" " " "
		11218 0	PIS 12				115	Micaceous Foliation
								EOH

PROJECT 88V-34 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		ROUGHNESS	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.	
42		1.8															
47		3.5															
52		3.2															
56		1.3															
60		2.4															
62		2.0															
66		1.6															
70		3.2															
72		1.1															
77		1.4															
87		3.8															
90		3.2															
92		2.1		.4													
97		2.7		.4													
103		4.0															
109½		3.8															
106½		1.8															
111½		5.9		2.0													
116½		5.0		3.3													
121½		5.3		4.9													
126		5.4		2.6													
129		2.8															
131		.3															
135		.9															

Fig. 1. Typical rock mechanics core log.

88V-35

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 12/88

Hole Number: 88 V-35

Reference Fabric Orientation Diagram:

Project: Vangorda 88 Drilling

Location: Vangorda Deposit

Claim: ____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6 902 865.31 N — 9577.57 N

594 471.87 E — 10,020.01 E

Grid Co-ords: 26E +0.5

Elevation: 1158.63

All symmetry determinations looking

Total Depth: 136.0 ft. (41.5m)

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Ore reserve definition

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Read

Date(s) Logged: July 12/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To	Collar Cased and Capped: N
NQ	0	136.0 ft.	

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au & S.G

Certificate No's: ____

Started: July 11/88 Completed: July 11/88

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH BBV-35 (2 — 8)

Date: July 13/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 42	
T	BBV-35	1158.63	4028653.3	594471.9		S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R	BBV-35	00	180.0	0.0	AT COLLAR
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

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

DDH 88V-35

CURRAGH RESOURCES INC.

Lithologic Log

Page 3 of _____

Date: July 12/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	118 7		1	#1	Cored Overburden - No Recovery.
		5 7				
	118 7	320		12	1316	Extremely Weathered ± MVD (1000 Weathered) 90:10
						Rusty orange, mod soft, extremely weathered, locally porous, noncalcareous phyllite. Sz & cut surfaces are rust orange. 21.0 to 22.1 → Extremely weathered & wussy, highly fractured and brecciated qtz vein. Qtz clasts range in size up to 2cm Ø. - Some have been rotated. Vugs likely due to weathered carbonates. Top & bottom 6" of unit is a rusty orange flakey mud.
						TOI - 23.0' extremely broken w/ local rubble. Recov. OK
						23.0-32.0' Flakey rusty orange mud - only 0.7' of core recovered. Top of orebody may have been intersected between 27.0 and 32.0, however nothing recovered.
	320	414 7		13	1416 10	Porous & Weathered (1009) trace
		1 5 6				Extremely broken, mod soft, porous, high grade baritic/pyritic massive ss. In more competent intervals, thin banding defined by Ba & Py & Base metal rich bands. Bands are ∠ 1cm thick & define Sz. Porosity is likely due to weathered carbonate. Unit effervesces slightly when in contact with 10% HCl - This may be a reaction w/ drilling mud which has soaked into the pores.
						No visible rusty orange weathering, however unit is a local grey-black colour - likely due to oxidized & weathered sulphides. Unit is extremely broken - largest piece is 2" long.
						Est Pb+Zn ≈ 10 - 12%. ← High Assay ≈ 8%
						Top 3" of unit is small white pegmatitic qtz frags.

DDH 88-V-35 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 12/88 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Entire unit is rubble. 10.2' of core recovered.
						Top of this unit may have been higher except not recovered.
	1414 7	1417 7		14	14E1	± 5 minor
		1145				Moderately hard, locally porous, noncalcareous, moderately siliceous, massive pyritic s=. Banding ranges on a scale from 1cm to 4cm thick. 11 to Sz One beach contains local paper thin carbonaceous folia. Porosity is due to locally weathered carbonate.
						Est % Qtz 25-30% Est Pb+Zn <2%.
						Core is ū broken recy O.K
	1417 7	1910 6		15	14C13	± 5 ± 9 trace
		2176				Very hard, noncalcareous, thickly pyrite banded, locally slightly carbonaceous qtzite. Banding is defined by fine py + ranges on a scale from 1" to 12" - bands are 11 to Sz. Local paper thin carbonaceous folia roughly defining Sz in qtz-rich intervals. Local "splashy" cpy is small fractures in qtz rich intervals.
						Est % Py 30-40% Est Pb+Zn <2%
						Local black weathering coatings on fracture surfaces - No post drilling oxidation.
						TOI - 51.7 ū broken recy O.K.
						51.7 - 59.1 slightly broken recy GOOD.
						59.1 - 66.3 ū broken along fractures - recy GOOD
						66.3 - 77.0 intact.
						77.0 - 82.4 ū broken, recy good
						82.4 - 84.9 intact.

DDH 88V-35
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 12/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						84.9 - EOL Slightly broken. Recy good.
	1906	11015 0		16	14C13	±8minor (1009) (4L621) 95:5: Trace.
		312 0				Very hard, noncalcareous, pyritic banded qtz.ite. Unit is
						similar to #5 except carbonaceous folia are absent from
						qtzose intervals. 97.6 - 98.4 high fractured + porous pegmatitic
						qtz vein. Fractures infilled w fine Py. Pores due to
						weathered carbonate. Centered at 104 is a 4" thick
						band of moderately hard, pyrite + qtz banded altered
						musc + chl phyllite. Margins + bands are // to S_2. S_2
						surfaces are a clotted pale green + steely grey.
						Est % Py 30-40%. Est Pb+Zn < 2%
						Local minor mag occurs in thin // to S_2 bands near
						EOI. Tannish yellow weathering coating on local fracture surfaces
						TOI - 97.0 Mod broken. Recy GOOD.
						97.0 - 99.6 - Extremely broken w rubble - due to steep
						fractures. Recy GOOD.
						99.6 - EOI Mod broken - Recy GOOD.
						No Faults.
	11015 0	11116 3		17	14C138	→ [4D38] [4E18 ± 4]
		315 4				Very hard, noncalcareous, magnetic, pyritic banded qtz.ite.
						Contains intermittent thin laminations containing reddish brown spk
						+ gal aligned // to S_2. Unit approaching Low Grade ore status.
						Mag occurs in thin leached - often discontinuous - laminae //
						to S_2. Est % Py 50-60% Est Pb+Zn 3-5%

DDH 88V-35 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 12/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI → 114.5 Slightly broken - Recy GOOD
						114.5 → EOI V broken - Recy GOOD
	1116 3	1121 0		18	4E1	
	1316 9					Extremely hard - homogeneous, noncalcareous siliceous massive pyrite. Qtz is chloritous + finely dissⁿ within fine grained py. Locally vague banding defined by local concentrations of Py. Est % Py 60%. Est Pb+Zn <1%. Core intact. Recy GOOD
	1211 0	1216 0		19	5A6	9 (4A0) (4E1±5) 40:30:30
	1318 4					Dominate unit is moderately soft to locally hard, black, CSz foliated, noncalcareous, carbonaceous phyllite. Sz surfaces are carbon black + strongly mark fingers S_1 + S_2 defined by thin qtz rich bands which commonly contain fine dissⁿ py. This black carbonaceous interval is from TOI → 123.4. Near the margins of this black interval, qtz content increases, sulphide content increases forming two 6" thin bands of hard, ribbon banded, carbonaceous qtzite. Py content within these bands is 5-6%. Est Pb+Zn <2%.
						123.4 → 124.4 is a brassy yellow, siliceous, massive pyrite band. This band contains local paper thin carbonaceous folia roughly aligned // to Sz. Est Pb+Zn <2%. Margins are // to Sz. Est % Qtz ± 20-30%.
						124.4 → 125.1 is same 5A69 unit.

DDH 88V-35 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 12 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						125.1 → 125.1 band of 4E1. Remaining interval is 5A69.
						Near EOI is minor thin incipient gouge.
						Entire unit is very broken. Recy is good.
						Est % Pb+Zn for entire unit < 1.5%
	1216 0	1316 0		1 10	4L6214	(100 g minor) 95:5
		141 5				Moderately soft, noncalcareous, dull greyish-pale green, altered musc+chl phyllite. Contain local Qtz + Py + lesser sph+gal in thin bands // to Sz. Locally, these bands also define Si. Minor Py + lesser Sph+Gal infill local thin fractures. Contains abundant thick pale green chl laminations developed along Sz surfaces are dominately silvery grey with local pale green chlorite clots. Est % Σ ≈ 3-4%.
						% Pb+Zn < 1.
						TOI → 131.5 ū broken w̄ local thin incipient gouge.
						131.5 → 135.0 w̄ broken recy good
						135.0 → EOH D broken due to fracturing. Recy good.
						1 6" thick peg. qtz vein encountered at ~129.3.
						EOH

DDH 88V-35 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date Jul 12/88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14	16 20	22 26	28 30	32 34	36 40	42
DOUBLE SAMPLE	13120	13170	11611419	150	144	14G10	weathered
	13170	14120	11611510	150	131	14G10	"
	14120	14147	11611511	127	127	14G10	"
	14147	14177	11611512	130	130	14E11	± 5 minor
	14177	15110	11611513	133	144	14C13	
	15110	15153	11611514	143	151	14C13	
	15153	16102	11611515	149	150	14C13	
	16102	16146	11611516	144	151	14C13	
	16146	16177	11611517	131	149	14C13	
	16177	17120	11611518	143	152	14C13	
	17120	17170	11611519	150	152	14C13	
	17170	18115	11611610	145	147	14C13	
	18115	18159	11611611	144	150	14C13	
	18159	19106	11611612	147	150	14C13	
	19106	19142	11611613	136	138	14C13	± 8
	19142	19177	11611614	135	141	14C13	
	19177	11011 0	11611615	133	145	14CB	(10Q) (4L)
	11011 0	11050	11611616	140	149	14C1318	→ [4D38]
	11050	11084	11611617	134	137	14C1318	→ [4D38]
	11084	11121	11611618	137	142	14C1318	→ [4D38]
	11121	11163	11611619	142	143	4D38	
	11163	11210	11611710	147	156	14E11	
	11210	12160	11611711	150	155	15A1619	(4A0) (4E1±5) 40:30:30
			EOH				

Page _____ of _____

DDH 88-V-35 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: July 12/88 Logged By: CVR

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	
		12.20	PSR				712	Micaceous Foliation
		14.15	PSR				811	P_3 banding in 4E1
		15.75	PSR				716	P_3 " " 4C3
		17.30	PSR				618	" " " "
		18.40	PSR				715	P_3 " " "
		19.65	PSR				712	" " " "
		110.88	PSR				712	Mag streaks in 4C8
		112.11	CSR			412 0.10.10	710	Carb folia in 5A
		113.10	PSR				710	Ch1 folia in 4L
		113.15	PSR				710	" " " "
		EOH						

PROJECT 88V-35 DRILLHOLE NO. _____ COORDINATES: N _____ DATE July 15/88

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
22		3.7															
27		1.8															
32		.1															
34		1.9															
37		2.4															
42		2.9															
46½		4.3															
51		5.4		1.6													
56½		6.2		2.6													
62		6		3.2													
66		5.7		3.3													
70½		5.0		3.5													
72		1.5		1.5													
77		5.4		4.6													
82		5.5		1.5													
87½		5.6		2.7													
92		5.0		1.8													
97		5.6		2.1													
102		6.0		.8													
107		5.4		3.1													
110½		3.9		1.7													
116		5.5		2.6													
122		6.2		4.0													
126		4.2															
129		4.1															
131		3.3		.5													
136½		6.0		EOH													

Fig. 1. Typical rock mechanics core log.

88 V - 36

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 14/88

Hole Number: 88V-36

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit

Claim: ____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6902839.17 N

9,573.11 N

9985.79 E

~~9575~~

594449.36 E

Grid Co-ords: 26E -0.5

Elevation: 1154.06 m.

All symmetry determinations looking

Total Depth: 132.0 ft.

NW with S2 dipping

Inclination: -90°

SW with dip azimuth ____.

Purpose: Definition Drilling Rock testing

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Reed.

Date(s) Logged: July 14/88

Drilling Contractor: Arctic Diamond Drilling

	Size	CORE From	To
	NQ	0	132.0
	____	____	____
	____	____	____

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au + S.G

Certificate No's: ____

Started: July 11/88 Completed: July 11/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-36 (2 8)

Date: Jul 14/88 Logged By: CVR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-36	11540.06	9028390.2	594494.4		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-36	00	180.0	90.0	AT COLLAR
R					
R					
R				

DDH BBV-36 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 14/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	12.15.4		1	#1	Cored with no recovery
		7.7				
	12.15.4	12.15.6		2	#1	Overburden.
		7.8				Small, redrilled overburden pebble fragments. Largest piece 1" Φ. No clay or mud recovered. 7 small pebbles recovered.
	12.15.6	16.10.0		3	15A16	
		1.8.3				Highly fractured + broken, black, noncalcareous, carbonaceous phyllite. S_2 surfaces are carbon black + strongly mark fingers. Largest piece is 2 cm long. Microlithons defined by qtz-silstone laminae are locally seen in more competent intervals. No visible weathering except for last 5" of unit. Here patchy orange-rust coatings present on cut + broken surfaces. One small foliation parallel qtz vein near EOI.
						Entire interval is "poker chippy" rubble
						ONLY 8.5' of core recovered
	16.10.0	18.28		4	14L16	24 "Stringered"
		21.52				Mod soft, noncalcareous, light tannish-white to pale buff green, altered musc + chl phyllite. Contains thin qtz + py + minor sph in thin bands + stringers which locally define both S_1 + S_2 cleavages. Moving down the unit $S^=$ content ↑, + unit becomes slightly darker + more competent. Est % $S^=$ ranges from 1 to 4%. Est Pb + Zn < 1%.
		70I - 72.0				Rubble 10.5' core recovered
		72.0 - 77.0				Mod broken 3.8' core recovered

DDH 88V-36 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 14/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						79.10 - EOH - very broken 5.3' core recovered.
						No obvious faults.
	182 8	187 4		15	14E8	± 4 ± 6 minor
		216 6				Moderately hard, locally base metal banded, noncalcareous, brassy yellow pyritic ss. Top 4" of unit contains thin sph + gal + ba laminations. Remaining unit has local thin base metal bands aligned // to Sz. Bands are generally < 1/2 cm thick. Associated w these bands are thin discontinuous streaks of magnetite. Banding only 6% of rock volume. Est Pb+Zn ranges from 2 to 6%. Local yellowish-tan oxidation coatings on fracture surfaces.
						Unit is slightly broken, Recy GOOD.
	187 4	1108 4		16	14E811	± 9 trace.
		313 0				V hard, noncalcareous, poorly banded, moderately siliceous, magnetitic massive pyrite. Banding ranges up to 5" thick - defined by presence of interstitial fine grained grey qtz. Mag occurs in fine specks + discontinuous streaks // to Sz. Local splashy cpy in fractures. Est % Qtz 15-20%. Est % Pb+Zn < 2%.
						Local streaks of reddish orange post drilling rust on cut surface.
						Unit is intact. Recy GOOD.

DDH B.B.V.-3.6
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 14/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	110184	111120		17	14L10	2 "Stringered" (4E08) 70:30
		113141				TOT - 110.3, soft, pale creamy white, altered mvsc + chl phyllite. 4L is nonculcareous + contains local thin stringers of fine py. Chl is developed along Sz cleavage.
						110.3 - EOT, hard, homogeneous, brassy, yellow, fine grained py. Contains one large angular clast of 4L. Clast is 2" ϕ. Mag occurs in thin feathery streaks ⊥ to Sz. Est Pb + Zn < 1%.
						TOT - 110.3 4L rubble 0.9' of core recovered.
						110.3 - EOI Mod broken 1.6' of core recovered.
	111120	113120			14L16	± 2 ± 1 minor
		11416 2				Light greyish-green, moderately soft, nonculcareous altered chl + mvsc phyllite. Sz surfaces are dull grey w/ abundant pale green chlorite clots. Contains local stringers + thin bands of py + qtz. Est % Py < 3%. Locally, thin qtz siltstone laminae define microlithons.
						112-115 Rubble 1.5' core recovered
						115-120 MISLATCH - NO RECOVERY
						120-132 Mod broken, Mvg GOOD
						EOH

DDH 88V-36 (2 8) CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date JULY 16/88 Sampled by C+L

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	182528	18276	116211 2	15 5	15 7	1 1 7 E 1 8	±4 ±6 minor
	18274	19115	116211 3	13 8	13 9	1 4 E 1 8 1	
	19115	19295	116211 4	15 0	15 5	1 4 E 1 8 1	
	19655	10307	116211 5	14 3	13 9	1 4 E 1 8 1	
	10108	10319	116211 6	13 8	14 0	1 4 E 1 8 1	
	10464	10330	116211 7	14 2	14 2	1 4 E 1 8 1	
	10844	11342	116211 8	13 4	12 9	4 K 1 0 2 1	(4E08) 70:30
			EOH				

DDH 88V-36 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: July 15/88 Logged By: CUR

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	
		1617	PISR				818	Micaceous foliation @ 4L
		1713	PISR				814	" " " "
		1912	PISR				711	Banding in 4E1
		11016	PISR				616	" " "
		11117	PISR				712	Micaceous foliation in 4L
		11131	PISR				710	" " " "

PROJECT 88 V-36 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
26		.8															
32		3.1															
37		.7															
44		.8															
49		.5															
52		.8															
57		1.0															
62		.7															
65½		3.5															
69		4.1															
72		3.6															
76		2.9															
81		4.3															
86½		5.8		2.6													
91½		5.4		5.1													
96½		5.2		4.5													
102		5.1		4.0													
107		5.1		4.2													
112		4.2		1.2													
120		1.6															
124		4.8		.8													
132		8.0		.9													
		EOH															

Fig. 1. Typical rock mechanics core log.

88V-37

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 22 /88

Hole Number: 88V-37

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit

Claim: ____

(MODEL CO-ORDS)

Terr.Plane Co-ords.: 6902887.32 N — 9577.26 N

594496.91 E — 10,053.36 E

Grid Co-ords: 26E +1.5

Elevation: 1159.86 m.

All symmetry determinations looking

Total Depth: 150.0 ft. (45.7m) NW with 52 dipping

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

Purpose: Definition Drilling - met tests

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Read

Date(s) Logged: July 22 /88

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented:	Steel down Hole:	Size	CORE From	To	Collar Cased and Capped:
N	N	NQ	D	150.0	N

Assay Lab: Mine B-C Au + S.G

Certificate No's: ____

Started: July 11 /88 Completed: July 12/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-37 (2 8)

Date: July 23/88 Logged By: C.U.A.

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-37	11596.86	902887.3	5947961.9		S 2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-37	100	180.0	0.0	AT COLLAR
R			.	.	
R			.	.	
R			.	.

DDH 88V-37
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 22/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	1219 8		11	#	Cored ~ no recovery.
		9.1				
	1219 8	3103		12	#	Overburden
		9.2				Highly weathered + porous rust orange granitic boulder fragments. Largest piece is 4" long 5" recovered.
	3103	3160		13	HE10	± 4 minor ± 8 minor - Locally weathered
		11.0				Most hard, homogeneous, brassy yellow, noncalcareous massive pyrite. Contains local minor thin bands of base metal aligned // to S_2. Bands generally < ½" thick. Black magnetite occurs in local thin discontinuous streaks // to S_2. Unit is locally weathered on fracture surfaces. Weathering in the form of tarnish-yellow + rust orange coatings.
						Est Pb + Zn ~ 3%.
						TOI → 31.8 Rubble - recv. o.k.
						31.8 → EOI ~ broken along fractures. Recv. o.k.
	3160	1488		14	4E018	± 9 trace. ± 4 minor.
		149				~ hard, poorly banded, noncalcareous, brass yellow massive pyritic sulphide. Unit is ~ magnetitic. Mag occurs in irregular banded bands up to 1" thick aligned // to S_2. Splashy fine cpy occurs in zones within these bands. Local thin bands containing base metal range in thickness up to 1½" + are aligned // to S_2. No visible oxidation.
						Est Pb + Zn ranges from 1 → 4%.

DDH 88V-37
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 23/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TO2 → 41.8 intact
						41.8 - 42.6 rubble - due to fracture. Recy O.K.
						42.6 - EOI intact.
	1418 8	1518 3		15	4150	±8 1 $ minor 19 trace (4E0 Sands) 97:3
		117 8				Dominate unit is a very hard, very fractured, poorly
						banded, locally magnetic pyritic qtzite. Banding is defined by
						fine py + lesser Sph + Gal. Banding ranges from ∠ 1mm to
						8cm thick aligned // to Sz. Contains abundant fine fractures
						infilled w/ sulphides - dominately Py w/ lesser Sph + Gal. Contains
						local small yellowish-tan dolomite clasts. May occure
						locally in thin discontinuous bands // to Sz. Contains local
						splashy Sph infilling fine fractures.
						50.7 - 51.4 fine, brassy-yellow homogeneous pyrite sand.
						2 qtz pebbles recovered w/ sand - No grade for Py sand interval.
						Est % Py for 400 ± 35% Est % Pb+Zn 6-7%
						No visible weathering - No obvious faults
						TOI → 50.7 slightly broken Recy O.K.
						50.7 - 51.4 Py sand - Recovery good.
						51.4 - EOI slightly broken Recy good.
	1583	1615 7		16	4150	I 8 minor ± 9 trace.
		1210 0				V. hard, base metal + lesser py banded qtzite. Banding
						is thin, generally ∠ 2cm + locally defines both S_1 + S_2
						metamorphic fabrics. Contains local thin micaceous laminations
						developed // to Sz. Contains local irregular isolated small

DDH 88V-37 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 22/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						tannish-yellow dusts of dolomite. Contains local magnetite in thin bands ll to Sz.
						Est % Pb+Zn 8-12%. Est % Py 10%
						TOI-62.10. Mod broken Recy G.K.
						62.0-EOI v broken Recy G.K.
	1615 7	1617 7		17	14A14	(5A6 9minor) 70:30.
		1210 6				Unit appears to have originally been a carbonaceous phyllite which has been silicified + altered at its margins. Bottom + top selvages of the 5A unit is hard black ribbon banded carbonaceous qtzite. Ribbon banding is defined by reddish brown sph v fine diss py. Banding is thin - generally < 3mm thick + defines a dominate Sz cleavage. Est Pb+Zn of these 4A selvages is 8% Pb+Zn. Sph >> Gal.
						Middle 8" of the unit is a soft, black, non calcareous, phyllite. Local v thin qtz laminae define microlithons. Contains local fine v minor py associated w qtz laminae. Sz surfaces are carbon black. Pb+Zn < 1%
						Unit is mod broken, recy good.
	1617 7	1110 15 3		18	14C10	I7 ± 9 trace ± 8 trace. I8 minor
		1312 1				v hard, non calcareous, poorly banded, pyritic qtzite. Banding defined by dominate Py lesser Po. Banding ranges on a scale from a few mm to 20 cm. Banding defines Sz. Near TOI there are local thin bands of Sph + Gal.

DDH 88V-37
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 22/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contains local, isolated, irregular, small clasts of yellow tan dol. qtzite is highly fractured w/ Py + lesser Po infillings. Core has an overall "stringer" appearance. Local minor CPY infill fine fractures
						Est % Py 15-20%. Est Po 5-10%. Est Pb+Zn 2-4%.
						Po decreases moving down unit. Abundant post drilling rusty orange oxidation coating present on sulphide bands - especially near TOI.
						TOI - 100 m broken Recy GOOD.
						100 - EOL ± broken Recy GOOD.
						No faults.
						18 minor
	110153	112151		19	141112	4^ ± 9 trace → [4C0 ± 9 trace chloritic ± 8 minor]
		13181				Mod hard, noncalcareous, silicified, altered musc rich phyllite Contains abundant, thin, qtz + py + gal sph bands which define S1 + S2 metamorphic fabrics. Local development of pale green chloritic foln // to S2. Se surfaces are dull silvery grey ± local pale green chlorite clots. Unit is transitional to a pyritic quartzite however, contains more abundant musc + chl than typical 4C.
						Est % Py ≈ 12-15%. Est % Pb+Zn ≈ 2-3%.
						Banding is generally < 1 cm thick.
						No faults.
						Unit is mod broken. Recy is good - No visible weathering.

DDH 88V-337

CURRAGH RESOURCES INC.

Lithologic Log

Date: _____ Logged By: CJR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	112151	112179		110	141D181	
		13190				Mod hard, noncalcareous, PSz bandied, pyritic qtzite. Banding ranges on a scale from 1 cm to 15 cm + defined by Py + lesser sph+gal. Thin streaks of black magnetite also occur in these bands. Contain local paper thin micaceous foliations. Est % Py ≈ 25% Est Ph+Zn 8%
						Local patches of rusty-tan oxidation coating on sulphide bands. (Post drilling)
						Slightly broken - Recy GOOD - No Faults.
	112179	113286		111	141L112	4
		14160				Mod hard becoming softer moving down the interval, noncalcareous siliceous - altered musc + chl phyllite. Qtz content decreases moving down interval. Local Qtz + Py ≈ lesser sph+gal define thin bands aligned // to both S_1 & S_2. Thin qtz laminae locally define micro lithons. S_2 surfaces are silvery - grey.
						Est % Py ≈ 8%. Est Ph+Zn 2%.
						TOI - 131 Mod broken - Recy GOOD-
						131 - EOI V broken ≈ local rubble - Recy GOOD
						No Faults - No visible weathering.
	113261	113779		112	141C713	± % minor
		14120				V hard, noncalcareous, Py + Po bandied qtzite. Banding ranges in thickness from 2-20 cm - defined by fine bronze Po which commonly contains fine Py agglom-

DDH B.B.V.-17-8

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
						cavities. Sx also infill abundant fine fractures. Unit contains local irregular discrete dolomite clasts which are generally elongate to Sz + range in size from 1mm to 3cm ϕ. Dol clasts have weathered (post drilling) to a yellow-orange colour.
						Est % Po ± 20% Est % Py 35% Est Pb + Zn 4%.
						Core slightly broken. Recy is good.
	11 13 7 9	11 14 13 5			14 1 1 2	4
		14 13 7				Same as unit 11 Qtz content ↓ moving down the unit Local patchy tarnish-orange weathering coatings on broken surfaces. Est % Py ≤ 8% Est Pb+Zn <2%
						Unit is ∓ broken. Recy GOOD
	14 13 5	11 15 10 0			14 1 6 1	±2 minor (10 00) trace.
		14 15 7				Mod- soft, light grey ∓ green tinge, noncalcareous, altered musc-chl phyllite. Pale green chl occurs in thick laminations // to Sz. Sz surfaces are silvery-grey ∓ abundant pale green chl clots. Local thin qtz + py laminations define S1 + Sz fabrics. Contains local thin foliaform qtz veins.
						Unit is ∓ broken - Recy is GOOD
						- No faults.
		EOH				

DDH BBV-87 (2–8) CURRAGH RESOURCES INC. Page ____ of ____

ASSAY LOG (SAMPLER'S COPY) Date JULY 22/88 Logged by CUR Sampled by CM

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10–14	16–20	22–26	28–30	32–34	36–40	42
	1310	1313	116121411	130	130	141E101	±4 minor
	1313	1316	116121412	130	135	141E01	±4 minor
	1316	1411	116121413	150	155	141E101B	±4 minor
	1411	1415	116121414	146	155	141E101B	±4 minor
	1415	1418	116121415	132	132	141E101B	±4 minor.
	1418	1510	116121416	119	119	141D10	±8
	1510	1511	116121417	107	107	141E10	Send
	1511	1515	116121418	141	142	141D10	±8
	1515	1518	116121419	128	146	141D10	±8
	1518	162	116121510	138	142	141D10	
	162	1615	116121511	137	140	141D10	
	1615	1617	116121512	120	119	141A10	
	1617	1710	116121513	129	148	141C10	
	1710	1715	116121514	144	145	141C10	"
	1715	1719	116121515	146	147	141C10	"
	1719	1812	116121516	132	143	141C10	"
	1812	1817	116121517	148	150	141C10	"
	1817	1923	116121518	147	151	141C10	"
	1923	1916	116121519	143	150	141C10	"
	1916	1101	116121610	144	151	141C10	"
	1101	1103	116121611	143	150	141C10	"
	1103	1109	116121612	137	142	41L11214	
	1109	1113	116121613	148	155	41L11214	
	1113	1118	116121614	144	146	41L11214	
	1118	1121	116121615	130	136	41L11214	
	1121	1125	116121616	139	140	41L11214	
	1125	1217	116121617	128	134	141D18	
	1217	1326	116121618	147	151	41L11214	
	1326	1379	116121619	153	159	41C1731	±8 minor
	1379	1413	116121710	156	165	141L16	

C.R.I. 1987 E-5

DDH 88V-37 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: JULY 22/88 Logged By: CVR

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	
		1410 0	PIS12				515	Base metal band in 4E0-8E4
		1611 0	PIS12				72	P_1 banding in 4C.
		1713 0	PIS12				614	" " " "
		1915 5	PIS12				615	" " " "
		11113 0	C1S12			41 0101 0	618	" " " "
		11211 8	PIS12				712	P_1 banding in 4L124
		11311 8	PIS12				614	Micaceous foliation
		11411 0	PIS12				710	" "
		11419 0	PIS12				717	" "

PROJECT 881-37 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
32		2.6															
36		4.4															
41		5.3		4.0													
42½		1.7		.9													
48		5.6		3.6													
50½		2.5		1.4													
53½		5.3		3.0													
62		5.3		1.1													
63½		2.4															
68		5.5															
72		3.7		2.5													
77		5.3		3.3													
86		10.2		1.9													
91		5.2		2.3													
96		5.4		2.3													
101		5.8		2.3													
104½		4.0		.4													
106		1.3															
109		3.7		.5													
112		3.0															
117		5.6		1.5													
122		5.5		1.1													
127		5.3		1.4													
132		5.2															
138		6.7		4.2													
142		4.8															
147		5.0		.4													
150		4.3															

Fig. 1. Typical rock mechanics core log.

88V-38

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 88 V-38

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit

Claim: _____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6 902 903.11 N 9 575.32

594 517.45 E 10,079.21

Grid Co-ords: 36 E +2.5

Elevation: 1161.02

All symmetry determinations looking

Total Depth: 120.0 (36.6m) NW with 52 dipping

Inclination: -90° (Vertical) SW with dip azimuth ____.

Purpose: Ore Reserve Definition Met. Samples.

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Reed

Date(s) Logged: Aug. 2 88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	120.0

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au + S.G

Certificate No's: _____

Started: July 12/88 Completed: July 12/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-38 (2 … 8)

Date: 4/6/88 Logged By: CWR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T	88V-38	1161.02	9029031.1	594517.5		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	88V-38	00	180.0	0.0	AT COLLAR
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 88V-38 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 1-3-88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 – 14	16 – 20	22 – 24	26 – 28	30 – 34	35
	10 0	131 0		1	#1	Cored w/ no recov.
		95				
	131 0	146 0		2	#1	Overburden granitic boulders.
		14 0				Variably sized fragments of Basil Batt. boulders. Largest piece 4" long. Fragments are commonly very weathered + porous. No mud fill rec'd.
						TOI – 32.0 1' granitic fragments
						32.0 – 38.0 2' " "
						38.0 – 42.0 1' " "
						42 – 46.0 No recovery.
	146 0	152 0		3	14C3	Weathered + Porous
		158				Highly broken, weathered, + porous, noncalcareous, pyritic qtzite. Unit is thickly bedded - Banding is defined by fine py + interstitial grey qtz. Banding ranges up to 10cm thick aligned // to Sz. Bands are very porous due to weathered carbonate?
						Est % py 30-40%. Est pyrrh 2-3%.
						TOI – 49.2 Rubble 1.9' rec'd.
						49.2 – 50.2 Mod broken, rusty O.K.
						50.2 – FOI Rubble 1.9' rec'd
	152 0	161 7		4	14C0	± 7 ± 8 minor Slightly weathered.
		188				V hard, noncalcareous, thinly bedded, pyritic qtzite. Banding defined by fine py + interstitial grey qtz. Contains local development of fine pale green chl folia along Sz //

DDH 88V-38

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 2/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						local occurrence of thin, discontinuous fractures bands of black mag. aligned // to S_2. Near EOT, local thin "flowing" bands of Po. Po also infills local thin fractures. Unit shows local patchy, rusty-orange weathering on cut surface. Fracture surfaces contain rusty tan-green weathering coatings.
						Est Pb+Zn 2% Est % Py 25%.
						Core mod broken - Recy is good - No faults
	161 7	166 2		15	141A 10	± 9 true
		210 2				v hard, noncalcareous, carbonaceous, qtzite. Contains thin black carbonaceous folia which locally define a crenulation cleavage. Contains thin qtz-siltstone laminae which commonly deform microlithons. S_2 surfaces are dark grey → black. S^2 bandings consists of fine Py ± interstitial grey qtz in thin bands < 0.5 cm across defining both the S_1 + S_2. Contains local Sphalerite (Cpy) in traces within fine fractures.
						Est % Py 18%. Est Pb+Zn 2-3%. Local post drilling rust on cut surface.
						Core mod broken. Recy good.
	166 2	176 0		16	141L11 7	2 ± 9 true ± 1 minor
		232				Mod soft to hard, siliceous, noncalcareous, S^2 rich, altered muscovite chl phyllite. Contains abundant thin Po bands & thin Py + interstitial grey qtz bands aligned // to S_2. Po + Py also infill abundant thin fractures. S_2 surfaces are dull

DDH 88V-38 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug. 2/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						medium grey ± local small pale green chl clasts. Contains local traces of Cpy in fine fractures.
						Est % Po ≈ 5% Est % Py 10% Est Pb+Zn < 2%
						Unit is mod broken. Recov is good. Near EOI, unit contains ± irregular highly fractured clasts of dol? ranging in size up to 3cm ϕ. Clasts are weathered (post drilling) to a rusty tan.
	716 0	813 6		17	15A611	9 [3G916]
		215 5				Mod soft → hard, dark grey → black, siliceous, noncalcareous, carbonaceous phyllite. Sz surfaces are carbon black. Contains local 1 th. qtz siltstone laminae which commonly contain thin fractures infilled w Po or fine Py. Siltstone laminae commonly define micro lithons. Occuring near EOI one thin band of reddish sph.
						Est % Po+Py ≈ 5-6% Est % Pb+Zn < 2%
						Est % Qtz 20-30%.
						EOI - 79.5' V broken Recov GOOD
						79.5 - 82.0' m broken Recov GOOD
						82.0' - EOI V broken Recov GOOD.
	813 6	1116 7		18	14L10	I 1 ± 2 I 7 ± 6 minor.
		315 6				Whitish-grey w local green tinge, noncalcareous, mod soft to locally hard, altered musc + chl phyllite. Contains local thin qtz + Py ∓ Po bands dominantly aligned // to Sz. Locally these bands may define S1. Sz surfaces are dull medium to light

116.7.

DDH 88-IV-38
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 2/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						grey + local'l, contain pale green chl. clots. Sulphide bands show post drilling rust + tarnish. Near EOI, chl becomes more abundant.
						Est % $S^{=}$ ranges from 4-8%. Est Pb+Zn < 1%.
						TOI → 98.0 - m broken recy O.K.
						98.0 - 105.8 - rubble 5.5' core rec'd.
						105.8 - 111.1 m broken recy O.K.
						111.1 - EOT S broken recy O.K.
	11716 7	11810 0			14516	±2 minor. ±7 minor.
		316 6				mod - soft, pale green, nemat/cavern chl >> musc phyllite.
						S_2 surfaces are shiny greyish-green. Contains local minor m thin
						py + qtz bands aligned // to S_2. Contains local peg. qtz
						"eyes" & clasts up to 3 cm ϕ. Qtz clasts contain thin
						fractures infilled w fine py or po. Qtz clasts likely pieces
						of thin broken peg. qtz vein.
						Core S broken. recy good.
						EOH

DDH 88V-38 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date AUG 2/88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	1416.0	1512.0	116131715	150	150	14C13	Weathered & Porous
	1512.0	1515.8	116131716	138	139	14C10	
	1515.8	1518.5	116131717	127	134	14C10	
	1518.5	1611.7	116131718	132	147	14C10	
	1611.7	1662.2	116131719	145	152	14A10	
	1662.2	1709.9	116131780	147	155	4L11712	
	1709.9	1716.0	116131811	151	156	4L11712	
	1716.0	1719.2	116131812	132	138	5A16119	[3G916]
	1719.2	1813.6	116131813	144	147	5A16119	[3G916].
			EOH				

DDH B.B.V.-3.B. (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: AUG 2/88 Logged By: CUR

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	
		1418 0	P1S12				82	P_4 banding in 4C3
		1518 0	P1S12				70	P_4 banding in 4C0
		1714 0	P1S12				810	Micaceous Foliation
		1812 0	P1S12				72	Carb. Folia in 546.
		1911 5	P1S12			418 0 010	718	Micaceous Folia.
		11016 0	P1S12				716	" "
		11113	P1S12				812	Chl Folia.
		11115	P1S12				715	" "
		11R10	P1S12.				82	" "
			F.O.B.					

PROJECT 88V-38 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
38		3.8															
42		1.0															
47		1.0															
52		3.7		.4													
57		5.6															
62		6.1		.5													
67		5.6		.4													
72		5.7															
76		4.2															
80		4.4															
82		2.1															
84½		2.2															
88		4.6															
91		3.4															
95½		4.3															
101		3.5															
105		3.2															
108		4.5															
110		2.2															
115		5.9		1.0													
120		5.4		1.3													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 13/88

Hole Number: 88 V - 39

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit

Claim: ____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6 902 942.52 N — 9,672.16

594 476.29 E — 10,074.84

Grid Co-ords: 24E +2.5

Elevation: 1159.50 m.

All symmetry determinations looking

Total Depth: 132.0 (40.2m)

NW with 52 dipping

Inclination: -90°

SW with dip azimuth ____.

Purpose: Ore reserve definition Met. Samples

Reason hole Terminated: Drilled into footwall

Logged by: C. V. Read

Date(s) Logged: July 13/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	132.0

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au + S.G.

Certificate No's: ____

Started: July 12/88 Completed: July 12/88

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH BBV-39 (2 8)

Date: July 13/88 Logged By: CUR.

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	BBV-39	1159.50	902942.5	594476.3		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	BBV-39	00	180.0	000	AT COLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.

DDH 88V-39

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 13/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	210 0		1	#1	Cored - No Recovery.
		6:1				
	210 0	314 5		2	#1	Overburden:
		10 5				Weathered rusty orange 10 AB granitic boulders & fragments.
						Largest boulder is 9" ϕ. Local rusty orange mud/clay also
						recovered. Ratio of boulders : mud 3:1.
						20-22 - 2' rusty boulder fragment rec'd.
						22-28 - 6" of small re-drilled granite fragments rec'd.
						28-32 - 3' of mud + boulders rec'd.
						32-EOI - 2.7' " " " rec'd.
	314 5	318 8		3	4G4	Weathered + Porous
		11 8				Dark greyish-black, noncalcareous, extremely broken, high grade
						barite S=. Largest fragment rec'd is 3" long. Unit is very
						friable. Weathering present as black oxidation coatings.
						Est Pb+Zn 12-14%?
						Unit is rubble - Only 1.6' recovered.
	318 8	415 0		4	4E0	I4 sand. weathered.
		13 7				Brass yellow with local base metal bearing streaks,
						noncalcareous pyrite sand. Grade difficult to estimate -
						approx. 2-8% Pb+Zn.
						Core is sand - 3.3' recovered.
	415 0	515 8		5	4G4	
		17 0				Mod hard, dark grey, noncalcareous, high grade baritic

DDH 88V-39 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 13/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						$S^{=}$. Unit is extremely broken due to fracturing - however, surfaces look surprisingly fresh. Unit is thinly laminated - defined by abundant honey coloured sph + variations in Ba content. Est. Pb + Zn 12-15%. Est % Py 60% Est % Ba 20%.
						Unit is extremely broken. Only 6" of core loss.
	15 15 8	16 14 5		16	14 C 13	Porous + Weathered. ∓ 1% trace.
		19 7				Moderately hard, pyritic banded, noncalcareous qtzite. Banding ranges on a scale from 1cm to 10cm // to S_2. Unit is porous due to weathering of carbonate. Local rusty - orange weathering surfaces on fracture surfaces. Est % Py 40-50% Est Pb+Zn <2%.
						TOI → 61.0 Rubble, 2.1' of core recovered
						61.0 → EOI Mod broken - Rubble near beginning of run
						Recov. O.K.
	16 14 5	18 15 2		17	14 C 13	1% trace ± Bx (4462) trace
		21 6 0				Very hard, noncalcareous, pyritic banded qtzite. Very similar to unit #6 only weathering less evident. Locally, unit is brecciated in thick bands. Breccia bands occur from 68.2 → 70.0, 71.7 → 74.4, 80.2 → 81.3. Breccia contains both subangular + rounded clasts which have been rotated Bx Δ like, a result of proximity to major fault below this unit.
						Est % Py 30-35% Est Pb+Zn <2%.
						Contains local thin bands of moderately hard, altered muscovite phyllite.

DDH 88V-39 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 13/88 Logged By: CVA

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI - 68.0 V broken ± local rubble. Recy O.K.
						local incipient 4L gouge 66.2 → 66.5
						68.0 - EOI moderately broken. Recy O.K.
	18.5	19.15		18	4L	GOUGE (4L3 BxA) 90:10
		21.79				Greenish - cream noncalcareous mud gouge. No orientation possible.
						98.0 → 98.5 one piece of highly fractured + brecciated Argillite bonded qtzite. Possibly fragment caught in gouge zone.
						Only 1.4' of core recovered.
						Likely a significant FAULT.
	119.5	113.20		19	4L6	± 2 minor 1 GOUGE ± BxA
		141.02				Soft, noncalcareous, creamy whitish - tan altered mudst ± chl phyllite. Sz surfaces whitish - tan ± local chl clots. Unit is highly fractured + locally contains thin intervals of incipient pale green to off-white gouge. Fractures generally trend // to core axis. Pale green chlorite in thin to locally thick laminations are developed along Sz foliation. Unit becomes less altered + bleached moving down the interval away from the fault zone. Locally, highly disrupted (due to fracturing) thin qtz + dissp laminations vaguely define Sz.
						TOI - 111 Rubble - 2.5' of core loss.
						111 - EOH Very broken ± local rubble. 2' of core loss between 126' & 132'.

EOH

DDH 88V-39 CURRAGH RESOURCES INC. Page 6 of

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date JULY 13/88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	1314.5	1318.8	116 1812	14.3	11.9	1416.4	Weathered + Porous
	1318.8	1415.0	116 1813	16.2	13.5	1416.10	± 4 Sand.
	1415.0	1417.7	116 1814	12.7	14.1	1416.4	
	1417.7	1512.1	116 1815	14.1	16.1	1416.4	
	1512.1	1515.8	116 1816	13.7	14.9	1416.4	
	1515.8	1611.0	116 1817	15.2	12.1	1416.3	Weathered
	1611.0	1614.5	116 1818	13.4	13.7	1416.3	"
	1614.5	1617.8	116 1819	13.3	14.1	1416.3	
	1617.8	1711.0	116 1910	13.2	13.4	1416.3	
	1711.0	1716.0	116 1911	15.0	16.3	1416.3	
	1716.0	1811.1	116 1912	15.1	14.7	1416.3	
	1811.1	1815.2	116 1913	14.1	14.7	1416.3	
		EOH					

DDH 88-V-39 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: July 25/88 Logged By: CUR

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	
		1418 0	P S 2				74	Ba banding in 4G4
		1615 0	P S 2				716	D_1 banding in 4C3
		1716 0	P S 2				816	" " " "
		1813 2	P S 2				811	Micaceous foliation in thin 4L band.
		1912 0	P S 2				416	Micaceous Foliation in 4L
		11 10 13 0	P S 2				3 B	" " " "
		11 11 13 0	P S 2				516	" " " "
		11 12 11 5	P S 2				511	" " " "
		11 13 R 0	P S 2				519	" " " "
								E.O.H.

PROJECT 884-39 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
22		2.0															
28		.7															
32		3.4															
8		3.6															
42		3.0															
45		2.4															
49		3.2															
51		3.2															
55½		5.5		.8													
61		2.4															
64½		3.7		.8													
71		7.1		1.4													
76		6.1		3.7													
83		6.9		3.6													
86		2.9		.5													
91½		1.3															
97		5.9															
100		3.5															
108½		2.7															
111		3.0															
115		3.9															
121		4.4															
123		1.6		.5													
126		3.4		.4													
132		3.4		.5													
		EOH															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Jul 27/88

Hole Number: 88 V - 40

Reference Fabric Orientation Diagram:

Project: Vansorda Summer 88

Location: Vansorda Deposit

Claim: ____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6 902 825 .64 N — 9542.36 N

594 480 .32 E — 9999.83 E

Grid Co-ords: 27 E 0.0 B/L.

Elevation: 1155.51

All symmetry determinations looking

Total Depth: 98.0 ft. (29.9m)

NW with 5° dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Ore Reserve Definition - Met Samples.

Reason hole Terminated: Drilled into Footwall

Logged by: C.V. Reed

Date(s) Logged: Jul 27/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	98.0

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Hg + S.G.

Certificate No's: ____

Started: Jul 12/88 Completed: Jul 13/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH BBV-40 (2 8)

Date: July 27/88 Logged By: CUR

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	BBV-40	1155.51	9028250.6	594810.3		SR	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	BBV-40	00	180.0	0.0	AT COLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.

DDH 88V-40 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 11/27/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	12 5		1	1	Cored w no recovery
		3 8				
	12 5	16 0		12	1	Iron Cemented O/B.
		4 9				Rust orange, mod hard, iron cemented overburden till.
						Individual clasts are small – up to 2 cm ϕ
						Core is v broken 4' recovered
	16 0	32 0		3	1	Overburden till.
		9 8				Variably sized fragments of dominately rust orange
						phyllite. Largest piece is 3 cm long. Recovered between
						27'& 32' is a 25 cm creamy white, slightly weathered,
						granitic boulder
						TOI – 18.0 Rubble till 1.6' rec'd.
						18 – 22 Rubble till 1.2' rec'd.
						22 – 27 Rubble 0.6' rec'd.
						27 – 32 0.8' rec'd – granitic boulder.
	32 0	35 0		14	5A16	1 ± 9 trace [369 ± 6 trace]
		10 7				Small angular fragments of moderately hard, carbonaceous,
						siliceous phyllite. Unit is noncalcareous. Local traces of
						fine py in thin bands. Recovery is POOR! Largest fragment
						is 2 cm ϕ.
						Core is rubble : 8" recovered.

DDH 88V-40 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 27 88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1315 0	1516 1		15	14L10	22 16. (1000) 95:5
		1717 1				Mod soft, noncalcareous, sericeous muse + chl phyllite.
						S_2 surfaces are dull tarnish-grey w local pale green chl clots.
						Contains local thin qtz + py bands which commonly define
						both S_1 + S_2. Bands are commonly tarnished and crystal.
						Chlorite content increases gradually moving down the unit.
						Chl. occurs in thin to locally thick pale green laminations
						dominately // to S_2.
						47-47.5 white foliaform poikilitic qtz vein.
						TOI - 47.0 Rubble 4.1' core recovered
						47.0 - 53.6 V broken 5.0' core recovered
						53.6 - EOI rubble w local incipient gouge 1.5' core recovered.
	1516 1	1518 3		16	14E14	+ I I $
		1718				V hard, poorly banded massive pyrite $S^{=}$. Banding
						defined by varying base metal and pyrite content. Contains
						local small subrounded clasts of dol + whitish grey
						qtz in thin bands // to S_2. Core is locally slightly tarnished +
						slightly porous.
						Est Phy Zn 8%.
						Core is V broken. Recy good.
	1518 3	1711 0		17	14G14	I ## minor.
		1217 6				Mod hard, light tarnish-grey extremely high grade
						massive barite $S^{=}$. Unit is thinly laminated- defined by
						abundant lines coloured sph + py. Top 1' of unit

DDH BBV-40 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 27/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						contains local diss⁻ calcite in feathery streaks // to Sz.
						No visible weathering - locally slightly porous.
						Est % Ba 50-60% Est % Pb+Zn 15% Est % Py 25%
						TOI-60 slightly broken very good
						60-62.5 rubble very good
						62.5-65 v broken very good
						65-67 rubble very good
						67-EOI v broken very good
	1711 0	1714 2		18	141E10	±4 minor Bx/f
		2126				Moderately hard, brassy yellow, massive pyrite breccia. Top
						1' of interval contains local thin base metal bands generally < 1cm
						thick aligned // to Sz. From 72.6 - EOI very broken BxA v w thick
						fractures infilled w white calcite. Fractures are generally < 1cm
						thick. Individual massive py clasts are slightly rotated & range in size
						up to 7 cm Φ. Major fracture orientation 20° to core axis.
						Est Pb+Zn 4% Core intact very good
	1714 2	1811 6		19	141E11	± BxA
		2149				v hard, locally siliceous, massive pyrite contains local
						interstitial grey qtz in thin poorly defined bands generally
						// to Sz. 78→79.5 extremely broken & porous 4E breccia. This
						interval likely originally similar to #8 except calcite in
						fractures has been weathered out. Unit contains several sharp
						thin fractures generally < 20° to core axis. Local patchy
						yellow-tan weathering coatings present on fracture surfaces.

DDH 88V-40
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 27/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI - 75.5 slightly broken very good
						75.5 - 78.5 v broken due to fracturing - very good
						78.5 - 79.5 rubble very O.K.
						79.5 - EOI mod broken very O.K.
	1811 6	1918 0		11 10	14L10	±6 ±2 minor (10Q9) 95.5
		2199				mod soft, remalcareous, altered musc + chl phyllite, locally
						chl > musc. local minor thin py + qtz bands + stringers aligned // to
						S2. 95 - 95.5 local incipient mud gouge.
						82.5 - 82.8 segmental qtz vein py + po infilling thin fractures
						96.5 - 97.1 " " " " " " " " " "
						TOI - 82.5 Rubble Very O.K.
						82.5 - 88.5 V broken Very O.K.
						88.5 - 89.5 Rubble Very O.K
						89.5 - 95.2 V broken Very O.K
						95.2 - EOH V broken Very O.K
						EOH

DDH 88VI-101 (2 8)

CURRAGH RESOURCES INC.

Page _____ of _____

Logged by _____

ASSAY LOG (SAMPLER'S COPY)

Date Jul 27 '88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	1516 1	1518 3	116121815	12 2	11 6	141E14	±#
	1518 3	1611 1	116121816	12 8	14 8	141G14	
	1611 1	1614 5	116121817	13 4	14 5	141G14	
	1614 5	1617 2	116121818	12 7	14 4	141G14	
	1617 2	1711 0	116121819	13 8	14 0	141G14	
	1711 0	1714 2	116121910	13 2	13 8	141E10	± 4 Bx A
	1714 2	1718 4	116121911	14 2	15 6	141E11	± Bx A
	1718 4	1811 6	116121912	13 2	15 0	141E11	± Bx A
			EOH				

Page _____ of _____

DDH B.B.V.-4.0.
2 8

CURRAGH RESOURCES INC.
Structural Log

Date: JULY 27/88 Logged By: CVR

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	
		1411 0	PSIR				515	Micaceous Foliation
		1514	PSIR				712	" "
		16105	PSIR				4H	P_3 bend in 4G4
		16170	PSIR				715	Lamination in 4G4
		17170	PSIR				6R	P_3 bending in 4E
		1813 0	PSIR				8R	Micaceous Foliation
		1900	PSIR				813	" "

PROJECT 88V-40 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
16		4.0															
18		1.4															
22		1.3															
27		.7															
32		.9		.9													
42		2.6															
47		2.1															
52		4.0															
56		2.8															
60		3.9		1.5													
63½		3.7															
64½		2.5															
69½		6.7		.9													
72		2.5		.9													
77		6.2		3.3													
79½		3.3		1.1													
82		3.4		.9													
87		5.3															
93		5.5															
96½		4.8															
98		1.7															
		EOH															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Jul 26/88

Hole Number: 88V-41

Reference Fabric Orientation Diagram:

Project: Vangorda B Summer 88

Location: Vangorda Deposit.

Claim: _____

Terr.Plane Co-ords.: 6902794.13 N

594489.15 E

MODEL CO-ORDS

9512.98 N

9985.38 E

~~5944894.15~~

Grid Co-ords: 28E -0.5

Elevation: 1154.32

All symmetry determinations looking

Total Depth: 90 ft. (27.4m)

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth _____.

Purpose: Ore reserve definition.

Reason hole Terminated: Ore horizon not encountered.

Logged by: C.V. Read

Date(s) Logged: Jul 26/88

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented:	Steel down Hole:	Size	CORE From	To	Collar Cased and Capped:
N	N	NQ	0	90	N

Assay Lab: Mine B-C Ag + S.G.

Certificate No's: _____

Started: Jul 14/88 Completed: Jul 14/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-41 (2 … 8)

Date: Jly 26/88 Logged By: CWR.

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	88V-41	1154.32	9027941.1	594489.2		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	88V-41	00	180.0	090.0	AT COLLAR
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

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

DDH 88V-41 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 26/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	131 4		1	??	Cored w no recovery
		9 6				
	131 4	132 0		2	??	Overburden
		9 8				Variably sized pieces of redrilled overburden 10YR boulders & phyllitic fragments. Largest piece is 1" long. No overburden mud recovered.
						8" of fragments recovered.
	132 0	141 4		3	BIG?	Extremely Weathered
		12 6				Rust orange, extremely weathered, noncalcareous phyllite rubble + mud. Difficult to determine original rock type.
						Only 1.5' of rubble recovered. Contains no sulphides
	141 4	190 0		4	14140	±2 ±4 (10 Qg) 95:5
		217 4				Mod soft, noncalcareous altered musc rich phyllite. Contains local thin bands of fine py + qtz w lesser sph. These bands are generally ≤ 1 cm across and may locally define both S_1 + S_2 metamorphic fabrics. S_2 surfaces range from silvery grey to locally a pale dull green.
						One large foliaform qtz vein from 75.5 - 77.0
						Local thin qtz veins are highly fractured w sph + gal + py infillings.
						Weathering decreases moving down the unit.

DDH 88V-41 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JUL 26/88 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						701 - 54.5 Rubble 9.6' recovered
						54.5 - 57.0 V broken 3.2' recovered
						57.0 - 58.6 Rubble - (end run) 1.2' recovered
						58.6 - EOH V broken 3' recovered.
						No obvious faults
						No ore types encountered in this hole
						EOH

DDH 88V-41 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: July 26/88 Logged By: CVR

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	
		1712 0	PIS12				69	Micaceous Foliation in HL
		1516 0	PIS12				610	" "
		1657	PIS12				68	" "
		1750	PIS12				618	" "
		1615 0	PIS12				814	" "

PROJECT 88V-41 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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	%		EXTENT	INT.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
32		1.0															
42		2.1															
47		2.1															
52		2.7															
54½		3.4															
58		1.1															
60½		2.7															
65		3.5															
66		2.9															
70		3.9															
72		2.3															
77		4.5		.4													
82		5.3		.4													
85½		3.5															
90		2.5															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 17/88

Hole Number: 88 V-42

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit.

Claim: ____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6902 815.65 N — 9513.71 N

594 512.09 E — 10016.84 E

Grid Co-ords: 28E +0.5

Elevation: 1158.35

All symmetry determinations looking

Total Depth: 125.0 ft.

NW with 52 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Ore Reserve Definition Met Samples

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Read

Date(s) Logged: July 17/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	125.0

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au + S.G

Certificate No's: ____

Started: July 14/88 Completed: July 14/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-42

Date: July 17/88 Logged By: CUR.

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	88V-42	1158.35	9028150.7	5945121.1		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8	10 14	22 26	28 32	34 56
R	88V-42	100	180.0	0.0	AT COLLAR
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

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

DDH 88V-43 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 17/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	100	1195		1	#1	Caved to no recovery.
		59				
	1195	1315		2	3G10	Weathered [4L0? Weathered]
		96				Rusty orange, moderately soft, non-calcareous, PSc foliated muscovitic phyllite. Contains local gouge top 4" of interval. Abundant orange rust coatings on cut + broken surfaces. Difficult to tell whether unit was originally a 4L or 3G.
						Core is extremely broken. Only 3.5' of core recovered.
	1315	1416		3	14G14	Weathered (4E0 Weathered) 90:10
		114				Extremely broken, locally porous, weathered high grade barite massive S=. Unit is thinly banded - defined by variations in Ba + base metal content. Unit is locally vuggy due to weathering of carbonate. Contains thicker intervals up to 5" thick of brassy yellow, porous massive pyritic S=.
						Est % Ba 20% Est % Pb+Zn 12-15%.
						Entire unit is extremely broken. Only 8.8' of core recovered.
	416	490	2	4	4C3	±5 weathered. (4L6) 98:2
		275				Mod hard, non-calcareous, locally porous, thickly banded pyritic gbrite. Banding ranges in thickness from 2" to 2½ ft. Near TOI local paper thin carbonaceous folia

DDH 88V-42 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 17/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						present in g trose intervals. Carbonaceous Rolls define both S_1 & S_2. Est % P_y 60%. Est Pb+Zn < 2%.
						70 I - 57.2 Extremely Broken Recy 0.K.
						57.2 - 57.7 Slightly Broken Recy 0.K.
						57.7 - 59.8 Extremely Broken Recy 0.K.
						59.8 - 62.1 Slightly Broken Recy 0.K.
						62.1 - 63.2 Rubble Recy 0.K
						63.2 - 77.8 Mod⁻ Broken Recy 0.K.
						77.8 - 79.0 Rubble Recy 0.K.
						79.0 - 81.6 Mod⁻ Broken Recy 0.K.
						Local black weathering coatings are present on fracture surfaces. 81.6 - EOI Extremely broken Recy 0.K.
						No faults. One 8" thick band at 121.2 → 122 of mod soft, pale green altered musc+chl phyllite. Margins are // to S_2.
	91.2	123.0		5	41C13	±8 minor ± 9 trace ± 7 minor
		375				Very hard, noncalcareous, thickly bedded, pyritic qtzite. Beds range in thickness from 1" to 2'. Locally, thinner beds define S_1 & S_2 metamorphic fabrics. Local yellowish-tan weathering coatings present on fracture surfaces. Contains local beaded bands of black magnetite ± po aligned // to S_2. Est % P_y 40-50%. Est Pb+Zn 2%. Local splashes of cpy in thin fractures.
						107 - 93.5 v broken Recy 0.K.
						93.5 - 106.1 m broken Recy 0.K.
						106.1 - 109 intact.
						109 - 115.5 m broken Recy 0.K
						117 - EOI v broken Recy 0.K.

No faults.

DDH 88V-42
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 17/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1121.0	1125.0		16	4L16	± 2 minor ± 7 minor.
		3.8	1			Mod - soft, noncalcareous, altered musc+chl phyllite. Sz surfaces
						are medium silvery grey w irregular pale green chl clots.
						Local py in thin discontinuous stringers + laminae. Top contact
						is abrupt w 463 - aligned // to Sz.
						Core is v broken. Recov good.
						EOH

DDH 88V-42 (2 … 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date JULY 17/88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	1311.5	1315.0	116121119	13.5	11.3	1416M	Weathered
	1315.0	1316.9	116121210	11.9	12.0	1416M	"
	1316.9	1411.4	116121211	13.5	12.0	1416M	"
	1411.4	1416.1	116121212	14.7	13.8	1416M	"
	1416.1	1510.0	116121213	13.9	12.3	14D13	± 5 Weathered
	1510.0	1515.0	116121214	15.0	16.1	14C13	
	1515.0	1519.0	116121215	14.0	15.0	14C13	
	1519.0	1613.1	116121216	14.1	14.9	14C13	
	1613.1	1618.2	116121217	15.1	15.1	14C13	
	1618.2	1712.9	116121218	14.7	15.0	14C13	
	1712.9	1717.7	116121219	14.8	15.1	14C13	
	1717.7	1811.6	116121310	13.9	15.0	14C13	
	1811.6	1815.9	116121311	14.3	15.6	14C13	
	1815.9	1910.2	116121312	14.3	15.2	14C13	± 8 minor ± 7 minor ± 9 Lone
	1910.2	1913.5	116121313	13.3	14.2	14C13	"
	1913.5	1917.0	116121314	13.5	13.9	14C13	"
	1917.0	1101.2	116121315	15.0	15.7	14C13	"
	1101.2	1101.6	116121316	14.0	14.9	14C13	"
	1101.6	1101.9	116121317	13.0	12.9	14E10	8
	1101.9	1113.7	116121318	14.7	15.0	14C13	"
	1113.7	1118.5	116121319	14.8	15.1	14C13	"
	1118.5	1213.0	116121410	14.5	15.6	14C13	"
			EOH				

2 Samples

DDH BBV-42 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Jul 12/08 Logged By: CVB

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	
		12120	PISR				618	Micaceous foliation.
		1316	PISR				518	P_3 banding in 4G
		1415	PISR				612	" " " "
		1516	PISR				519	P_3 banding in 4C.
		1712	PISR				712	" " " "
		1816	PISR				718	" " " "
		1915	PISR				713	" " " "
		111R	PISR				8R	" " " "
		11210	PISR				619	Micaceous foliation in 4G band.
		1124	PISR				716	Micaceous foliation in 4C.

PROJECT 88V-52 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (To)	LENGTH OF RUN	CORE RECOVERY		RQD		ROUGHNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CRITERIA	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
22		1.6															
31		1.9															
35		1.3															
41		2.1															
45		4.0															
50		3.7		.4													
55		4.0		.4													
59		5.0		1.1													
62		3.0		1.5													
66		5.0		2.4													
70		4.2		2.4													
76		5.5		3.2													
81		6.0		2.6													
84		3.5		.6													
88		4.8															
90		2.6															
92		2.1															
97		5.2		1.3													
102		5.6		1.5													
104		2.2		1.5													
109		5.3		2.3													
112		2.3		.4													
117		5.5		1.7													
122		5.6		.9													
125		3.5		.6													
		EOH															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: July 26/88

Hole Number: 88V-43

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit.

Claim: ____

MODEL CO-ORDS

Terr.Plane Co-ords.: 6902781.74 N — 9483.21 N

594519.92 E — 10,000.04 E

Grid Co-ords: 29E B/L.

Elevation: 1157.11 m.

All symmetry determinations looking

Total Depth: 102.0 ft. (31.1m)

NW with 52 dipping

Inclination: -90°

SW with dip azimuth ____.

Purpose: Ore Reserve Definition + Met Samples

Reason hole Terminated: Drilled into footwall.

Logged by: C.V. REED

Date(s) Logged: JULY 26/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To
NQ	0	102.0 ft.

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au + S.G

Certificate No's: ____

Started: July 14/88 Completed: July 14/88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-43 (cols 2–8)

Date: July 26/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-43	11517.11	902781.7	5945191.9		S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-43	000	180.0	000.0	AT COLLAR
R			•	•	
R			•	•	
R			•	•

DDH 88V-43
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JUL 26/88 Logged By: UVR

From	To	Recov.	No.	Unit	Description
10	13 16 8		1	#1	Cased w no recovery
	1 1 2				
13 16 8	13 17 4		2	#1	Overburden
	1 1 4				Redrilled overburden pebbles. Largest piece 1" long. Pebbles consist of qtz, granite, + phyllite fragments.
					7" of pebbles recovered.
13 17 4	15 14 1		3	4 1 6 2	
	1 6 5				Mod soft, noncalcareous, locally weathered, altered musc + chl phyllite. Overall colour is a very light creamy green. Top 8' of unit is weathered to a rusty orange on Sz surfaces. Patchy rust on cut surface. Fresh Sz surface is a dull light grey w pale green chl clots. Contains local thin bands + stringers of qtz +py ± sph. These thin bands are commonly rusted - (post drilling oxidation) Chlorite well developed in thick laminations // to Sz.
					Est % Py 4% Est Pb + Zn < 1.5%
					TOI - 44.5 Rubble 2.5' core recovered
					44.5 - 46.7 w broken very O.K.
					46.7 - 51.2 Rubble 6' core recovered
					51.2 - EOI w broken very good.
					No obvious faults.
15 14 1	16 11 9		4	4 1 6 4	I # minor.
	1 8 9				Mod hard, light brown, extremely high grade, thinly laminated baritic Sz. laminations defined by base metal + Ba content. Top 1' of unit contains dess calcite within pyrite

DDH 88V-43 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 26/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						band. No visible weathering. One fold closure defined by banding at 56.5.
						Est % Pb + Zn 20% Est % Ba 50% Est % Py 30%.
						TOI - 56.0 V broken Recy good.
						56.0 - 59.2 slightly broken Recy good
						59.2 - EOI V broken Recy good
						No faults.
	161 9	171 07		5	14L 16	+ 9 minor
		21 5				Mod soft, non calcareous, pale green, altered chl muse phyllite.
						Becomes locally grey due to ↑ in carbon content. Sz
						surfaces range from pale green to medium → dark grey
						near EOI. Chl occurs in abundant thin laminations developed
						// to Sz. Slight tarnish yellow weathering present on local
						fracture surfaces.
						Core V broken Recy GOOD
						No faults.
	171 07	172 0		16	14GH	
		21 20				Thin band of light brown, moderately hard, high grade
						baritic sulphides. Unit is same as #4. Margins of band
						are // to Sz.
						Est Pb + Zn 10%.
						Core is V broken. Recy is GOOD.

DDH 88-V-43

CURRAGH RESOURCES INC.

Lithologic Log

Date: JUL 26/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
	1712 0	1811 5		17	13 16 19	± 6 minor (3C*) trace
		2148				Mod soft, noncalcareous dark grey → black, carbonaceous phyllite. Sz surfaces are shiny medium - grey to black. Contains local thin pale green chlorite laminations developed // to Sz. Local thin qtz siltstone laminae define microlithons. Thin qtz rich laminae commonly contain diss fine py. Est 2% Py 3%. Unit is locally weathered + porous. Centered at 73.0 is a 2" band of soft pale olive green, dolomitic? metabasite. Margins are // to Sz.
						Core is V broken. Rubble near end-of-runs. Recy GOOD.
	1811 5	11 10 12 0		18	14 16	± 2 minor
		1911 1				Mod soft, noncalcareous, pale buff-green, chl + musc phyllite. Sz surfaces are pale tannish - green. Local qtz siltstone laminae aligned to Si + Sz. Contains abundant local thin foliaform qtz veins. Veins are generally < 4cm thick. Pale green chl commonly forms thin selvages to these veins. Fine py is locally disseminated within qtz siltstone laminae. Unit is locally slightly weathered + porous.
						Core mod broken. Recy good.
						No faults.
						EOH

DDH 88V-143 (2 … 8)

CURRAGH RESOURCES INC.

Page ____ of ____

Logged by WR

ASSAY LOG (SAMPLER'S COPY)

Date July 26/88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 … 14	16 … 20	22 … 26	28 … 30	32 … 34	36 … 40	42
	1514 1	1518 3	116218 12	14 2	14 4	14G4	
	1518 3	1611 9	116218 13	13 6	14 2	14G4	
	1710 7	1712 0	116218 14	11 3	11 3	14G4	
			EOH				

DDH 88V-43 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Jul 26/88 Logged By: CLR

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	
		142	PIS12				813	Micaceous Foliation.
		153	PIS12				618	" "
		162	PIS12				812	" "
		174	PIS12				810	" "
		189	PIS12				716	" "
		1101	PIS12				718	
			EOH					

PROJECT 88V-43 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
37		2															
44		2.4															
47		3.7															
49½		3.0															
52		3.7															
56		4.6		.5													
61		5.3		2.1													
66		6.3															
70		3.9															
72		3.2															
77		5.7															
82		5.0															
87		5.6															
92		5.1															
99		8.3															
102		3.0															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Jul 25/88

Hole Number: 88V-44

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit

Claim: _____

Terr.Plane Co-ords.: 6902751.16 N

594527.89 E

Model Co-ords
9455.10 N
9985.57 E

Grid Co-ords: 30E -0.5

Elevation: 1155.76

All symmetry determinations looking

Total Depth: 100 ft. 30.5m

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth _____.

Purpose: Ore reserve definition.

Reason hole Terminated: Ore horizon not encountered - Drilling in footwall.

Logged by: C.V. REED

Date(s) Logged: Jul 25 88

Drilling Contractor: Arctic Diamond Drilling

	Size	CORE From	To
	NQ	0	100.0'

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au S.G.

Certificate No's: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-44 (2 8)

Date: Jul 25/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-44	1155.76	9027510.2	5945271.9			

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-44	0	180.0	0.0	AT COLLAR
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

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

DDH 88V-44 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: July 25/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 – 14	16 – 20	22 – 24	26 – 28	30 – 34	35
	10	131.5		11	1##	Cored w/ no recovery.
		91.6				
	131.5	131.5		12	1##	Overburden.
		19.9				Redrilled O.B. pebbles & boulder fragments. Largest piece is 3/4" long. Fragments consist of qtz, granite, & phyllite. Granitic pieces are porous & extremely weathered to a rust-orange colour. 1' of pebbles & fragments recovered.
	131.5	161.2		13	141161	±2 ±4 minor 3 have (10 Q 9) 90:10 Mod soft, nonfoliaceous, altered pale green chl + musc phyllite. Contains local thin qtz rich bands which commonly contain dess fine py, lesser sph & traces of Po. Bands are generally < 1cm thick & locally define S_1 & S_2. Unit contains several thin foliation qtz veins Veins are generally < 5cm thick are fractured & infilled w/ pale green chl, or py or po Qtz veins also contain minor v splashy cpy in small fractures Selvages to qtz veins are pale green chl. Slight post drilling rust present on thin qtz ± S= laminations.
		161.3				
						TOI – 45.8 v broken very good
						45.8 – 52.0 rubble 6.4' core recovered.
						52.0 – 57.0 mislatch 2' recovered. Several fragments of overburden granitic core.
						57.0 – EOI rubble recvy O.K.

DDH BBV-44 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 25/88 Logged By: CJR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1610 2	11010 0		14	141L161	±2±4±7
		13105				Same as unit #3 except # of qtz veins decreases.
						Mod⁻ soft noncalcareous altered chl + musc phyllite.
						Est 7% Py 6% Est Pb+Zn <2%
						TOT-64.5 Extremely broken 1' of core loss.
						64.5-100 Mod⁻ broken. Recy GOOD.
						No obvious faults
						No ore types encountered in this hole.
						EOH

DDH 88V-44 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Jul 25/88 Logged By: CUR

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 0 / 13 16	PIS12				84	Micaceous foliation
		13 7 / 14 15	PIS12				76	" "
		18 3 / 16 10	PIS12				66	" "
		22 9 / 17 15	PIS12				76	" "
		26 5 / 18 17	PIS12				85	" "
		30 0 / 19 15	PIS12				83	" "
		30 2 / 19 19	PIS12				81	" "

PROJECT 88V-44 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
32		0.7															
40		4.1															
42		2.7															
47		5.3															
49		2.8															
52		2.4															
57		2.5															
58.5		1.2															
62		5.0															
64.5		3.4															
69.5		5.8															
72		2.8															
77		5.5															
82		5.6															
87		5.7															
92		5.4															
97		5.3		.4													
100		3.5															

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Jul 26/88

Hole Number: 88 V - 45

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit.

Claim: ____

		Model Co-ords
Terr.Plane Co-ords.:	690 2770.45 N	9453.87 N
	594 551.27 E	10,015.87 E

Grid Co-ords: 30E +0.5

Elevation: 1159.01

All symmetry determinations looking

Total Depth: 120' 36.6 m

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: One reserve definition

Reason hole Terminated: Drilled in to footwall

Logged by: C.V. Reed.

Date(s) Logged: Jul 26/88

Drilling Contractor: Arctic Diamond Drilling

Hole Cemented: N

Steel down Hole: N

CORE Size	From	To
NQ	0	120

Collar Cased and Capped: N

Assay Lab: Mine B-C Au - S.G

Certificate No's: ____

Started: ____ Completed: ____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-45 (2 / 8)

Date: Jul 26/88 Logged By: 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	88V-45	1159.01	4027790.5	594551.3			

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	88V-45	00	180.0	0.0	AT COLLAR
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

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

DDH 88-V-45
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 26 1988 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	115 5		1	#1	Cored w no recovery
		4 7				
	115 5	116 5		2	#1	Overburden
		5 0				Variably sized fragments of to AB anvil batholith boulders. Largest piece is 4" long. Pieces are very porous + have been weathered to a rust-orange colour. No overburden mud recovered
						1' of boulder fragments recovered.
	116 5	124 6		3	41C1?	[4D?] Extremely weathered + porous.
		17 5				Red-orange rusted rubble. Largest piece is 4" long. More competent intervals are moderately hard rusted qtzite. Unit is very porous due to weathered carbonate? and/or pyrite. Grade is impossible to visually estimate. Assay = 9.1% Pb
						TOT – 20 Rubble 2.2' core recovered
						20 – 24 Rubble 2.9' core recovered
						24 – 24.6 Rubble recovery o.k.
	124 6	131 7 4		4	13 G 10	Extremely Weathered
		1 1 4				Very soft, noncalcareous, rusty yellow, flaky mud. Unit becomes more competent moving down the interval. This material will not require blasting when stripped – Ug/4 Shark!!
						Contains no visible sulphides. Mud condition of core + core loss more likely related to the high degree of weathering rather than fault related.
						TOI – 34. Rubble 0.5' core recovered

DDH 88V-45 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JUL 26/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						34- EOI Rubble, 3.7' core recovered.
	13 17 4	15 16 7		15	13 G 10	± 7 ± 6 minor
		17 3				Mod⁻ soft, light grey, noncalcareous, locally chloritic phyllite.
						Sz surfaces are light silvery grey + locally contain pale green
						chlorite clots. Top 5' of unit is weathered to a light
						rusty orange. Weathering coatings diminish moving down the
						unit. Thin pale green chlorite laminations become more
						abundant moving down the unit. Chl laminations developed
						// to Sz. Contains local ṽ thin bands of fine py + qtz
						which commonly define S_1 + Sz fabrics.
						TOI - 48.2 Rubble 8' of core recovered
						48.2 - 50.4 ṽ broken 2' of core recovered
						50.4 - EOI Rubble 5.2' of core recovered.
						No obvious faults.
	15 16 7	16 19 0		16	13 G 9	± 1 ± 6
		21 0				Mod⁻ soft, dark grey to locally black, noncalcareous, carbonaceous
						phyllite. Sz surfaces range from dark shiny grey to black.
						+ only lightly mark finger. Contains local thin qtz siltstone
						laminae which commonly contain fine dess⁻ py + define
						S_1 + Sz metamorphic fabrics.
						TOI - 58.8 Rubble 2.1' core recovered
						58.8 - 63.7 ṽ broken 3.9' core recovered.
						63.7 - 64.8 Rubble Recy Good
						64.8 - EOI ṽ broken 2.6' of core recovered.

DDH BB.V-45 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 26/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						last 3" of unit is a flakey - mud gouge. Core loss likely at FOI in this gouge zone. - No visible weathering
	690	714 5		17	1 4 L 1 6	(1000) trace.
		2 1 2 7				Mod- soft light grey to pale green tinge, altered musc + chl phyllite. Unit is noncalcareous. Sz surfaces are medium silvery grey to abundant irregular pale green chl clots. Pale green chl developed in thick laminations // to Sz and also occurs in thick selvages to local thin foliaform qtz veins.
						Core slightly broken. Recovery is good
						No visible weathering
	1 7 1 4 5	1 7 1 9 1		18	1 4 E 1 4 8	± 6 minor ± 9 trace ± # very minor
		2 1 4 1				Mod- hard, magnetic, locally calcareous massive pyrite S=. Unit is thinly banded - defined by variations in pyrite + base metal content. Locally, bands are folded indicating a possible fold closure at 76'. Contains local minor calcite disseminated within py bands in the top 1' of the interval. May occurs in thin black discontinuous bands aligned // to Sz. May decreases moving down the unit. Local, tiny, splashy Cpy in thin fractures.
						Est % Pb+Zn 10-12%. Minor thin bands of Ba + Sph + Gal occur dominately in the top 1' of the unit.
						Core slightly broken, recovery good.
						No visible weathering.

DDH 88V-45 (2 of 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 26/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1719 1	1812 7		19	14614	± 8 minor (7E48) 90:10
		25 2				Dominate unit is a mod⁻ hard, noncalcareous, thinly banded high grade baritic sulphide. Banding is defined by variations in Ba, P_y & base metal content. Banding ranges on a scale up to 2 cm thick & is aligned // to Sz. Magnetite occurs locally in tiny black "specks" & in thin discontinuous streaks aligned // to Sz. Overall colour is a light yellow-grey
						Est Pb+Zn 12-15%. Est % Ba 15%. Est % P_y 65%.
						Last 6" of interval is a mod⁻ hard dark brownish-yellow, very magnetic, high grade massive pyrite S⁼. Band has margins // to Sz. Contains abundant black magnetite in thin bands // to Sz. Est % Pb+Zn 15%.
						Core is slightly broken. Recy GOOD.
						Local yellow tan weathering present on fracture surfaces.
	1827	11111 0		110	14613	± 8 ± 9 trace
		533 8				V hard, noncalcareous, thickly banded pyritic qtzite. P_y banding ranges up to 2' thick. P_y bands commonly contain fine interstitial grey qtz. Mag occurs locally within P_y bands in thin streaks & beads // to Sz. Local traces of C_{py} infill thin fractures.
						Est % P_y 65%. Est Pb+Zn <2%.
						Local post drilling rust patches on pyrite bands.
						Core intact, Recy GOOD.

DDH 88V-45 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 26/88 Logged By: CLR.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	11 11 0	112 10 0		11 11	13 G 10	± 7
		13 16 6				Mod soft. PSz foliated, noncalcareous musc + chl phyllite. Top contact with HC lost in rubble. Sz surfaces are shiny medium grey. Contains local development of thin v chl foliations 11 to Sz. Centered at 116.7 is 2" band of flakey incipient gouge. Top 1' of interval contains many small rounded overburden cave pebbles.
						113 - 114 rubble containing overburden cave Recv O.K
						114 - EOI ↓ broken, Recy O.K.
						EOH

DDH B-88V-45 CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date 2/1/26/88 Sampled by CVR

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	115	120	116121711	135	103	141D?	Extremely Weathered
	120	124	116121712	146	132	141D?	" "
	214	219	116121713	146	150	141E418	±6
	219	225	116121714	136	120	141G101	±8
	225	230	116121715	143	158	141C131	
	230	235	116121716	143	145	141C131	
	235	240	116121717	135	159	141C131	
	240	245	116121718	144	201	141C131	
	245	250	116121719	142	204	141C131	
	250	255	116121810	136	145	141C131	
	255	300	116121811	144	150	141C131	
			EOH				

DDH 88V-45 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: July 26/88 Logged By: CUR

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	
		113.6					410	Miaceous Foliation
		114.7					415	" "
		115.10					512	" "
		115.9					816	" "
		117.1					618	" "
		118.10					711	Banding in 464
		119.4					718	Py banding in 463
		111.10.4					615	" " " "
		111.16					510	Miaceous Foliation.
								EOH

PROJECT 88V-45 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
17		1.4															
20		1.7															
24		3.2															
30		.8															
34		.5															
37		2.9															
42		2.2															
44		1.9															
46½		2.0															
48		1.7															
51		2.8															
53		1.7															
58		4.3															
62		1.9															
64		2.9															
69		3.7															
72		3.8															
77		5.8		1.6			*		Depth to		length		RQD				
82		4.7		3.7													
87		5.3		5.0					117		4.3						
92		4.9		4.0					120		2.3						
94		2.9		2.3													
106⅓		6.7		3.7					EOH								
104		3.7		2.2													
105		1.3		1.0													
110		5.7		3.5													
113		1.1															
*114		1.5															

* cont.

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug 18/88

Hole Number: 88 V- 46

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit.

Claim: _____

		Model Co-ords
Terr.Plane Co-ords.:	6902953.00 N	9632.10 N
	594488.09 E	10,090.63 E

Grid Co-ords: 24 E +3.0

Elevation: 1160.28

All symmetry determinations looking

Total Depth: 100.0 ft. (30.5 m)

NW with 52 dipping

Inclination: -90° (Vertical)

SW with dip azimuth _____.

Purpose: Ore reserve definition + met samples
Step out on section 24 E

Reason hole Terminated: Drilled into footwall

Logged by: C. V. Reed

Date(s) Logged: Aug 18/88

Drilling Contractor: Arctic Diamond Drilling

CORE Size	From	To
NQ	0	100

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au + S.G

Certificate No's: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

DDH 88V-46

Diamond Drill Core Log

Date: Aug 18/88 Logged By: CUR.

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	88V-46	1160.28	9024530.0	594480.1		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	88V-46	00	180.0	0.0	AT COLLAR
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 88V-46 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 18/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	131 0		11	1#	Cored w/ no recovery.
		9 4				
	131 0	132 0		12	1#	0/B Boulder Fragments:
		9 8				Granitic overburden boulder fragments. Largest piece is 8cm long. No mud matrix rec'd.
						1.0' Anvil Batholith boulder fragments rec'd.
	132 0	151 9 0		13	14L11	24 Weathered.
		118 0				Mod soft to mod hard, narrow/narrows, weathered, siliceous, altered meta. phyllite. Unit is weathered to a rusty orange on cut, broken & Sz surfaces. Contains local thin bands of fine py + lesser sph + interstitial fine gtz. Bands define Sz. Est % Sulphides ≈ 10%.
		32 → 36.0	Rubble			0.9' rec'd
		36.0 → 42.0	Rubble			2.7' rec'd
		42.0 → 44.0	Rubble			1.9' rec'd
		44.0 → 48.0	Rubble			2.4' rec'd
		48.0 → 50.0	v broken			recov 0.K.
		50.0 → 51.0	Rubble			recov 0.K.
		51.0 → 55.0	v broken			recov 0.K
		55.0 → EOI	v broken			2.7' rec'd
	151 9 0	161 5 9		14	14A10	
		210 1				Mod hard, banded, dark grey, moderately carbonaceous gtzite. Carbonaceous foliation locally define Si. Sz surfaces are medium - dull grey. Contains local dessemination of fine py +

DDH 88V-46
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 18/88 Logged By: CVA

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						traces of sph in thin bands which locally define S_1 + S_2
						Est % P_y 8% Est Pb:Zn <2%
						Core rusted in patches on cut surface. No faults.
						Core v broken. Recy GOOD.
	61.5 9	71.2 0		15	41C10	±7 "Micaceous" → [4L172]
		21 9				Mod hard, whitish grey, noncalcareous, poorly banded, qtzite.
						Contains abundant paper thin musc + chl foliations developed //
						to S_2 cleavage. Contains local bands of P_o ranging in thickness
						up to 4cm ϕ. P_y also occurs finely disse in qtz laminations
						aligned // to S_2.
						Est % P_o 5-6% Est % P_y 7-8% Est Pb:Zn <2%.
						No visible weathering - No faults.
						Core v broken 4.9' recvd.
	71.2 0	71.8 9		16	41C10	±2±7minor
		21.4 0				Pale grey, mod soft, noncalcareous, altered musc? chl phyllite.
						Contains local thin bands + stringers of P_o + P_y.
						S_2 surfaces are whitish-grey · slightly talcose. Est % S = 4%.
						No faults No weathering.
						TOI → 74.2 v broken Recy O.K.
						74.2 → 75.6 rubble Recy O.K.
						75.6 → EOI v broken Recy O.K.

DDH 88V-46

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 18/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	1718 9	1101 0		17	14L 16	17 ± 2
		130 5				Pale green, mod soft, noncalcareous, altered chl phyllite. Contains local thin bands + stringers of Po + Py. Sx surfaces are dull light green. Est % S = 4%
						Nor faults, No weathering.
						TOI → 80.0 v broken recy O.K.
						80.0 → 84.1 6" rubble.
						84.1 → 89.0 1.5' rubble rec'd MISCATCH
						89.0 → 92.0 m broken recy O.K.
						92.0 → 97.0 m broken 3.1' rec'd.
						97 → 100.0 v broken 2.1' rec'd
						EOH

DDH BBV-46 (2 8)

CURRAGH RESOURCES INC.

Page _____ of _____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY)

Date AUG 18/88 Sampled by Mark

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	1518 60	1912 04	11614918	134	133	14A10	
	1624	2015 19	11614919	135	137	14A10	
	1659	2112 90	11615010	161	158	14C10	± 7 micaceous → [46172]
			EOH				

DDH 88V-46 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: AUG 18/88 Logged By: CUR

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	
		14 18 8 5	PISR				710	Micaceous Foliation
		15 17 8 0	PISR				7R	Micaceous Foliation
		16 18 9 0	CISR			118 1810	719	Carb laminations in 4A.
		16 20 7 8	PISR				716	Micaceous Foliation
		17 24 1 0	PISR				810	" "
		19 28 3 0	PISR				715	" "
		19 27 4 0	PISR				710	" "
			EOH					

PROJECT 88V-46 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
32		1.7															
36		.9															
42		3.1															
44		2.2															
48		2.9															
50		2.2															
55		5.4															
59		3.8															
64		5.1															
67		3.7															
72		3.7															
75		2.9															
80		5.6															
84		1.0															
89		2.4															
92		2.5															
97		3.3															
100		2.7															
	EOH																

NO RQD

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Jul 29/88

Hole Number: 88V-47

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 88

Location: Vangorda Deposit

Claim: _____

Model Co-ords

Terr.Plane Co-ords.: 6902 821.78 N — 9635.17 N

594 336.96 E — 9890.41 E

Grid Co-ords: 24E -3.5

Elevation: 1148.04 m

All symmetry determinations looking

Total Depth: 102.0 ft (31.1 m)

NW with 52 dipping

Inclination: -90° (Vertical)

SW with dip azimuth _____.

Purpose: Ore reserve definition + met samples

Reason hole Terminated: Drilled into footwall

Logged by: C.V. Reed

Date(s) Logged: Jul 29/88

Drilling Contractor: Arctic Diamond Drilling

	Size	CORE From	To
	NQ	0	102.0'

Collar Cased and Capped: N

Hole Cemented: N

Steel down Hole: N

Assay Lab: Mine B-C Au + S.G

Certificate No's: _____

Started: _____ Completed: _____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-47 (2 8)

Date: 5-1-29/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-47	1148.04	9028211.8	5943370		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-47	0 0	-80.0	0.0	AT COLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	

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

DDH 88V-47

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
	10.0	12.7	0	1	#1	Cored w no recovery.
		18.2				
	12.7	12.9	0	2	#1	10AB Boulders from till.
		8.8				10 pieces of locally weathered + porous 10AB boulders from O/B till. Largest boulder is 1 foot long. No mud recovered 2' of boulders rec'd.
	12.9	13.2	0	3	#1	O/B mud till.
		9.8	m			Soft, dark rusty brown, overburden mud. Contains local small pebbles and small pieces of organic material. Pebbles are angular + generally < 3mm ϕ. Last 4" of the unit contains flakes of grey phyllite mixed w overburden mud + pebbles. 2.9' of mud rec'd.
	13.2	13.5	0	4	13G19	(3GO) 80:20
		10.7	m			TOI - 33.5 medium grey, PSz foliated, noncalcareous, musc. phyllite. Unit very broken + "poker chippy" only 8" core rec'd. Sz surfaces are light silvery grey.
						33.5 - EOT black, noncalcareous, phyllite rubble. Unit is v broken, largest piece < 1 cm long. Sz surfaces are carbon black. 23' of core rec'd.
	13.5	41.3	0	5	14A10	→ [5A619]
		12.6	m			Highly fractured + broken, mod hard, dark grey to black carbonaceous qtzite. Largest piece is 2" long. Sulphide

DDH B.B.V.-47. (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						banding is absent. Near EOT, rubble contains flakes, black micaceous fragments. S_2 surfaces are dark grey to locally black. Est Pb+Zn < 2%
						Unit is rubble, 2.2' rubble rec'd.
	141 3	146 0		16	11101@9.	
		14 0 m				Hard, white, v fractured, pegmatitic qtz vein. Fracture surfaces show orange rust coatings. Thin fractures infilled with Sph + Gal + lesser py. Est Pb+Zn 4%. Top margin of the qtz vein is very steep to core axis (< 10°) // to S_2. S_2 is very steep ± vert'l // to core axis from top of hole to 41.3. This has resulted in highly broken & rubbly core + poor recoveries so far. True thickness of qtz vein is probably much thinner than what has been intersected in this hole.
						Core is rubble, 3.1' rec'd.
	146 0	151 5		17	14L1612	47 BxA. (10@9 BxA) (4EO) 93:5:2
		157 m				Highly broken + fractured, mod soft, altered musc + chl breccia. Individual clasts are generally small, < 1cm ϕ and show little rotation. Fractures are thin + infilled w rusty orange chl? + dol? At 151 BxA contain 1 large angular clast of 4EO. Clast is 6 cm ϕ. A similar clast occurs at 48.8. Clast is angular and 8 cm ϕ.
						48.0 - 48.4 highly fractured peg. qtz vein. V fine fractures infilled w sph+gal + lesser fine py. Fracture surfaces are rusted.
						Est Pb+Zn entire unit 2-3%. Core is rubble. 4.5' rec'd.

DDH 88V-47

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1511 5	1512 4		18	4H4	± l/minor
		1516 0	1m			Hard, homogeneous, bronze massive Po. Contains local thin streaks of black mag. Also contains minor small rounded clasts of qtz suspended in massive Po. Margins of Po band are irregular. + X-cut Sz.
						Est Pb+Zn < 2% Core intact, very good.
						Assay is 9.08'!!! - Fooled again!!
	1524	1619		19	4L6R4	7 BxA.
		1689	m			same unit #7. 4L is highly broken + fractured.
						Largest piece is 3" long. Abundant orange weathering coatings on fracture surfaces. Unit #8 is likely one large 4H
						clast within this 4L BxA.
						Core is Rubble: TOI → 55.5 3.1' rec'd
						55.5 - 59.5 2.5' rec'd
						59.5 - EOI 2.2' rec'd.
	1611 9	1618 5		110	4E4	7 Bx^a (4L?) 95:5 BxA
		2099	m			Dominant unit is a bronze + brassy yellow banded ± hard Po rich massive pyritic sulphide. Po bands appear to "flow" around Py rich bands giving a ductile flow BxA texture. Po bands commonly contain ± small sub-rounded qtz clasts. Contains local "suspended" clasts of siliceous pale grey highly fractured musc phyllite. One 4" clast at 64.7. 4L rubble from 62.1 to 62.6. This is likely a 4L clast within 4E7 BxA.
						Est Pb+Zn < 3%. Est % Po 30-40%

Assay = 9.2% - Fooled again!!

DDH 88V-47

CURRAGH RESOURCES INC.
Lithologic Log

Date: JULY 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						107-62.8 Rubble 1.7' core rec'd.
						62.8-66.5 Mod broken recov. o.k.
						66.5- EOH v broken 1.8' core rec'd.
	1618.5	1710.0		1/1	14E14	
		91.3 m				v hard, noncalcareous, homogeneous to locally thinly bandded, massive pyritic s=. Top 8" of unit contain widely spaced thin bands containing sph + gal. Bandings < 1/2 cm thick + is aligned // to Sz. Bottom 8" contains fine base metal mtz. Est Pb + Zn 6-8%. Core slightly broken Recov GOOD.
	1710.0	1712.5		1/2	14L10	± 2 minor ± 4 minor.
		2.21 m				Mod soft nonCalcareous, light grey, sl - white, altered musc + chl phyllite. Contains local thin qtz + fine py + lesser sph bands aligned // to Sz. Sz surfaces are silvery grey v local irregular pale green chl clots. Unit is nonCalcareous. Core is v broken. Recov is good.
	1712.5	1816.0		1/3	13G10	± 9. ± 6 minor
		216.2				Medium grey to locally black, mod - soft, locally carbonaceous phyllite. Unit is nonCalcareous. Sz surfaces range from shiny silvery grey to carbon black. Unit generally becomes darker moving down the hole. Contains local thin qtz silistone laminae which commonly

DDH 88V-47

CURRAGH RESOURCES INC.

Lithologic Log

Date: July 29/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						define lithons. Qtz siltstone laminae may locally contain fine dissⁿ py.
						TOI → 78.0 V broken recy 0.K.
						78.0 → 80.0 rubble, recy 0.K
						80.0 → EOI V broken, recy 0.K
	1816 0	1819 5		114	41C315	(4EO) 95:5
		27 3 m				V hard, noncalcareous, locally carbonaceous, pyritic banded qtzite. Contains local thin carbonaceous micaceous folia aligned // to Sz. Sz surfaces along these folia are dull carbon black. Top 6" of unit is a hard, homogeneous, brassy yellow massive Pyrite band.
						Est % Py for entire unit ≈ 60% Est Pb+Zn ≈ 4%
						TOI - 88.0 V broken, recy 0.K
						88 → EOI rubble, recy 0.K
	1819 5	1922		115	31G19	±2 minor
		28 1				Highly fractured + broken, dark grey to locally black, noncalcareous locally carbonaceous mus^c phyllite. Contains local development of pale green chl folia along Sz folia. Sz surfaces range from a shiny medium grey to black. Contains local minor fine py dissⁿ in local thin qtz siltstone laminae.
						TOI → 90.5 Rubble, recy 0.K
						90.5 - EOI V broken Recy 0.K

DDH 88V-47 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: JULY 29/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1912 2	11012 0		116	14A10	"Micaceous" → [SA619] (4EO) trace
		1311 1				Mod hard, micaceous, black, carbonaceous qtzite. Sz surfaces are carbon black. Contains abundant thin black micaceous Py bands separated by thin grey qtz-siltstone laminae. Unit is lacking in sulphide ribbon banding, it may be better described as a SA619. 97.5 → 97.8 one band of fine homogeneous Py. Est % Py 3%. Est Pb+Zn <2%.
						TOI - 97.5 Spread out rubble - Recy O.K.
						97.5 - EOI V broken. Recy O.K.
						Qtz siltstone laminae locally define CSz.
						EOH

DDH 88VI-47 (2 8)

CURRAGH RESOURCES INC.

Page _____ of _____

Logged by _____

ASSAY LOG (SAMPLER'S COPY)

Date Aug 1 '88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	1315	1411	116131418	163	129	141A10	→ CSA6192
	1411	1416	116131419	147	134	110Q191	
	1416	1511	116131510	155	150	4L16121417	BxA
	1511	1512	116131511	19	114	141H14	
	1512	1611	116131512	195	191	4L16121417	BxA
	1611	1614	116131513	126	135	141E1417	(4L1) 95:5
	1614	1618	116131514	140	142	141E1417	(4L1) 95:5
	1618	1710	116131515	115	126	141E14	
	1710	1712	116131516	125	129	141L10	
	1806	1819	116131517	135	143	141C1315	
	1819	1912	116131518	127	136	131G19	± 2
	1912	1915	116131519	134	150	15A161 9	
	1915	1102	116131610	164	169	15A161 9	

DDH B.B.V.-47. (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: JUL 28/88 Logged By: CUR

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	
		1 0 7 / 1 3 1 5	PS12				2 8	Carb folia in 440
		1 4 7 / 1 4 1 7	PS12				2 4	Microveins folia. in
		1 8 6 / 1 6 1	PS12				5 0	" "
		2 1 6 / 1 7 1	CS12			4 0 0 1 0 1 0	6 0	" "
		2 5 6 / 1 8 1 4	PS12				7 4	Carb folia in 5A6
		2 7 7 / 1 9 1 1	PS12				5 5	" " " "
		3 0 5 / 1 1 0 1 0	PS12				5 0	" " " 5A169.

PROJECT 88V-47 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
32		5.0		1.0													
35		3.5															
40		2.2															
42		1.2															
44		1.5															
46		.9															
48		2.2															
52		3.5		.5													
55½		3.7		.5													
59½		2.7															
65		6.5		.9													
67		1.7		.5													
70		3.9		1.3													
73		3.0															
77		5.5															
80		3.5															
82		2.4															
86		3.1															
88½		2.7		.9													
90½		2.7															
94½		4.1															
95		1.2															
98		3.1															
161		4.2															
162		.1															
EOH																	

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug 10/88

Hole Number: 88V-48

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit.

Claim: ____

Terr.Plane Co-ords.: 6903 097.13 N 10 001.43 N

594 095.69 E 9894.37 E

Grid Co-ords: 12E -3.5

Elevation: 1148.04 m

All symmetry determinations looking

Total Depth: 242.0 Ft. (73.8 m) ____ with ____ dipping

Inclination: -90° (Vertical) ____ with dip azimuth ____.

Purpose: Ore reserve definition + met. samples.

Reason hole Terminated: Drilled into footwall.

Logged by: C.V. Read.

Date(s) Logged: Aug. 9 - Aug 10 /88

Drilling Contractor: A.D.D.

Size	CORE From	To
NW	0	132.0'
NQ	132.0	242.0'

Hole Cemented: No Steel down Hole: No

Collar Cased and Capped: NO

Assay Lab: Mine

Certificate No's: ____

Started: Aug. 7/88 Completed: Aug. 8 /88

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-48 (2 8)

Date: Aug. 10/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-48	1148.04	9030971.1	594095.7		S2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-48	100	180.0	0.0	AT COLLAR
R	88V-48	2190	179.2	136.0	SPERRY SUN SINGLE SHOT
R			.	.	
R			.	.	
R			.	.

DDH BBV-48 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 9/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
	10	16 3 3		1	#	Overburden - Trimmed - N/O Recovery.
		1 9 3 m				
	16 3 3	16 16 9		12	31G	Weathered
		2 0 4 m				Highly weathered, V soft PSz fabricated musc, ch! phyllite. Abundant rust orange coatings on cut + Sz surfaces. top 1' is V flakey much likely close to extreme weathering. Core is v broken. 3.7' recovered. Unit is noncalcareous.
	16 16 9	16 19 8		13	11010	O Weathered
		2 1 3 m				Highly fractured + rusted pegmatitic qtz vein. Margins lost in rubble Qtz is highly rusted on fracture surface. Unit is rubble. 4.4' recovered
	16 19 8	18 11 0		14	13164	* minor V weathered (1020) 90:10
		2 4 7				V soft, high rusted, rusty, dull green + rusty tan striped altered metabasite. Cut + broken surfaces have abundant rust coatings, however local occurrences of unaltered pale green chl bands are distinguishable. This texture is typical of fresher metabasite intervals logged in other Vangorda holes. When powdered, slight effervescence in 20% HCl. Tannish bands likely contain Fe-Mg dolomite? siderite?
						74.5 - 76.2 Fragments of peg. qtz vein. Margins lost in rubble. Gumbs of slimy whale Sperm everywhere - YUK.
						TOI → 72.0 V broken 2.1' rec'd
						72.0 → 74.0 rubble 1'0 rec'd

DDH 88V-48 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 9/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						74.0 → 76.0? MISLATCH
						76.0 → EOT v Broken 6.2' rec'd - Spread OUT!
	1810	11389		15	4L2	±7 "stringered" slightly weathered
		423 m				Mod soft, noncalcareous, locally CSz foliated, altered musc?
						chl phyllite. Contains abundant thin bands + stringers of Py +
						< Po + interstitial fine v gray qtz. Bands range in size from
						c/mm to 20 cm thick. 83.4 → 84.2 is highly broken
						band containing fine diss Py + larger Py agglomerates up to
						1/2 cm ϕ. Margins are // to Sz. 127 - 127.3 is highly
						deformed band of bronze Po + small diss 4L clasts.
						Banding locally defines both S1 + Sz. Sz surfaces are light
						silvery - gray + locally contain small clots of pale green chl.
						Est % S= 10 - 12%. Est Pb+Zn < 2%
						TOI → 92.0 Rubble 5.7' rec'd. poor recy likely due
						to fracturing - not fault related
						92.0 → 104.8 v broken Recy GOOD.
						104.8 → 125.7 m broken Recy GOOD.
						125.7 → 127.0 rubble - due to end run. Recy GOOD.
						127.0 → EOI s broken. Recy GOOD.
	1138 9	11465		16	4C3	±5 "Micaceous"
		447 m				Mod - hard, locally softer, locally slightly carbonaceous,
						noncalcareous, pyritic banded qtzite. Contains local abundant
						micaceous folia. Unit likely originally a phyllite - sulphide
						+ qtz are later alteration features. Thin sph bands

DDH BBV-48 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 9/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						one locally present near EOI. Banding diminished by fine py + dess fine white qtz clasts. Margin one // to Sz. Banding ranges on a scale up to 10cm thick. Unit contains local minor crenulations foliation aligned // to Sz. Contains abundant fine fractures infilled w/ dom py + lesser base metals.
						FOI → 142.6 3 broken 3.6' rec'd.
						142.6 → 143.5 rubble due to steep fracture, recy O.K.
						143.5 → EOI 5 broken, recy good.
	1141 6 5	1151 9 7		17	141E 1418	I# ± 1 ± 6 minor. ± 7 minor.
		148 7				Mod hard, magnetic, locally slightly siliceous, locally calcareous, poorly bounded, massive pyritic S= Appears to correlate well to top 4E48 found in BBV-06. Mag is disseminated & occurs in fine black "specks" in trails // to Sz & in thin discontinuous bands // to Sz. Qtz occurs locally in small subrounded white clasts. Qtz also occurs w/ py interstitial to py in thin bands // to Sz. Bands are generally < 2cm thick. White calcite also occurs locally in discrete small subrounded clasts. Barite occurs dess in thin bands w/ py & sph + gal. To top 1' of unit, bronze Po occurs in "flowing" bands around large subrounded qtz clasts, clasts range up to 5cm ø.
						Est Pb+Zn ranges from 4 → 10%.
						Entire unit is 5 broken along steep fractures. Recy is good. - No obvious fold hinges. No faults

DDH 88V-48 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Page 06 of _____

Date: Aug 4/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	115197	116117		18	14010	#8
		4193 m				V hard, remobilized, high grade, pyritic banded gneiss.
						Banding ranges on a scale up to 8cm across + defined
						by Py + lesser Sph. Contains local mags in thin discontinuous
						bands // to Sz. Banding is 50-60% of unit volume.
						Est Pb+Zn 10%. Est % Py 25%. Assay = 6.65
						core is mod- broken along one steep fracture which
						is // to core axis. No visible weathering. Recy is good.
	116117	117120		19	14E18	# (4L124) 80:20
		1514 m				Unusual mixed unit of dominately 4E8 in local
						bands of 4L124. Appears that original unit was 4L which
						has been "flooded out" in S=. Dominate unit is V
						hard, locally calcareous, magnetic, + thinly banded. Banding
						is defined by local concentrations of Sph + Gal and
						thin bands + trails of magnetite. Calcite occurs locally
						doss- within thin bands // to Sz. Also occurs
						in local white clasts "floating" in S=. Clasts range in
						size up to 1 cm ϕ.
						Contained at 163.2, 164.6, 167.0, + 171.1 are
						bands of 4L ranging in thickness from 0.4' at
						171.1 to 1.6' at 164.2. Band margins are highly
						fractured + irregular - but generally trend // to Sz.
						4L bands may be same unit which is re-appearing
						due to isoclinal folding. Throughout interval, Sz locally
						becomes very steep - < 20° to core axis. Actual fold

DDH 88V-48 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 9/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						closures are not seen - but may be near-by. 4L is grey-green, siliceous, & contains local thin Py + lesser Sph+Gal bands // to Sz. Unit ranges from moderately soft to hard. Est Pb+Zn for entire interval ranges from 2-6%. Core is slightly broken along local fractures. Recy is good.
	117.2	118.79		110	41D10	±5 ±3 Σ#minrl (4L0) (3B4*) 91:8: trace. Dominate unit is a ū hard, locally slightly carbonaceous, noncalcareous Py + cc sph banded qtzite. Banding ranges on a scale from 1mm to 20cm. Contains local thicker bands of homogeneous fine Py + interstitial grey qtz ranging from 10-20 cm across. Bands are // to Sz. Sph. occurs in local reddish-brown bands which in thickness from 2mm → 1cm across. Reddish brown sph also infills local ū fine fractures. Unit contains local occurance of thin black carbonaceous foliae which locally define lithons. One local thin (6cm thick) band containing Sph+cc+Py+cc.
						179.7 → 180.6 is more soft PSz foliated altered mus>chl phyllite. Unit is dull grey-green. Margins are // to Sz. Contains local thin fractures infilled ū calcite.
						183.4 - 184.6 - similar 4L band except contains local highly fractured fragments of pegmatitic qtz vein. Likely same band as above which has been folded around a hinge at 182.0
						Centered at 186.0' is a light homogeneous - dull tan/grey green metabasite. Effervesces when powdered & mixed ū 20%

DDH 88V-48
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 9/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						HCL. Margins are // to Sz.
						Est Pb+Zn 5-7%. No visible weathering.
						Unit is most broken very is good.
						1.4 1.1 1.7 1.1 2.4
	1187 9	1195 6		111	4C13	±7 (5A69) (4A0±4) (4E18±4) 32:22:14:31
		596				Again - a very mixed unit!! Likely a result of tight isoclinal folding
						(1.1) TOT → 189.0' Mod hard, black, ribbon banded, carbonaceous
						qtzite. Banding makes up 50% of interval volume.
						Banding defined by Py + slightly less reddish brown sph.
						Ribbon banding defines lithons. Est Pb+Zn 6-8%.
						(1.4) 189.0 → 190.4 V hard pyritic banded qtzite. Banding
						ranges on a scale up to 2cm across - // to Sz. Est
						% Py 30-40%. Est Pb+Zn 2-4%.
						(2.4) 190.4 → 192.8 V hard, siliceous, magnetic, noncalcareous
						massive pyrite S=. Contains subgrains mag in tiny specks
						in trails aligned // to Sz. Contains minor interstitial
						grey qtz throughout. Also contains local subrounded
						qtz clasts ranging on a scale up to 2 cm ø.
						Long axis of clasts aligned // to Sz. Est % Pb+Zn
						ranges from 3-6%.
						1.1 192.8 → 193.9 Poorly banded, v hard, noncalcareous
						qtzite. Banding defines isoclinal fold nose at 193.2.
						Contains local "blowing" Py bands ranging on a scale
						up to 3cm thick. Est Pb+Zn 2-4%.
						1.7 193.9 → EOI Black, mod soft, burnish carbonaceous
						phyllite. Sz surfaces are carbon black. Contains local py

DDH 88V-48

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 10/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						dess^{n} in thin bands $\bar{w}$ interstitial qtz. Margins of unit are // to Sz. Est % S$^{=}$ 5% - dominated by Py. Entire interval is $\bar{s}$ broken, recov is good. No weathering.
	119156	120163 629		1/2	141E181	+ $. ± 1 minor. $\bar{v}$ band, locally slightly siliceous, magnetic massive Py S$^{=}$. Mag occurs in thin discontinuous bands and small "specks" in trails aligned // to Sz. Contains local subrounded tan to off-white dol clasts ranging in size up to 2cm ϕ. Qtz occurs locally in small grey clasts which occur in bands up to 15 cm across. Local thin bands containing concentrations of Pb+Zn. Est Pb+Zn ranges from 2 to 8% in local intervals with higher concentrations of banding containing Sph + Gal. Core $\bar{s}$ broken, recov good. No visible weathering. No faults.
	120163	121145 654		1/2	141C10	"Miscous" → [4L12 4 minor 7 minor] Transitional unit - mod^{ly} band, locally mod^{ly} soft, nonreactive, miscous, pyritic qtzite. Unit is likely a highly pyritically altered + silicified 4L. Contains abundant thin fractures infilled $\bar{w}$ dominate Py + lesser Sph + Po. Banding is very irregular + ranges on a scale up to 8cm thick. Banding gives core a "blazer" texture. Banding is defined by dominate Py $\bar{w}$ lesser Po + Sph + Gal + interstitial grey qtz. Est Pb, Zn 2-4% Est % Py 15-

DDH 88V-48 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 10/88 Logged By: CVM

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						20%.
						Core mod broken, recov is good.
	12114 5	12124 2 68 3		114	15A10	± 9 ± 1
						Dark grey to black, locally slightly calcareous, carbonaceous phyllite. Unit is moderately soft to locally hard. Contains abundant qtz - siltstone laminae which locally contain disseminated py. Qtz siltstone laminae commonly define crenulations. Sz surfaces range from medium grey to carbon black. Contains local minor fine py disseminated in qtz. siltstone laminae. One 3cm thick band at 217.6 containing massive fine py.
						Core is mod broken. Recov is complete.
	12124 2	12139 70 4		115	14A13	
						Thickly pyrite banded, mod hard, noncalcareous, carbonaceous qtzite. Banding consists of homogeneous fine py + ranges on a scale from 4" to 1.5'. Margins are // to Sz. Banding makes up 50-60% of rock volume. Bands are seperated by a mod hard, black, Sz localized, carbonaceous qtzite. Sz surfaces are carbon black.
						Est % py 40%. Est pb+zn to 1.5%
						Core is mod broken. recov good. No fault.
	12310 9	12412 0 73 8		116	15A10	± 9 ± 1
						Same as unit 14. Contains local highly fractured pegmatitic qtz veins. Margins of veins are // to core axis.

DDH 88V-48 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 10/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Contains only minor local py dissn in thin local qtz-siltstone laminae. No obvious faults or AAlds. TOI → 234.9 I broken, rocky O.K / 234.9 → 237.0 I broken very good / 237 → 238.6 U broken along steep fracture, very good, / 238.6 → EOH in broken very good.
						EOH

DDH 88V-48 (2 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY) Date Aug 9/88 Sampled by CH

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	42 3 11 13 18 9	43 5 11 14 12 6	116141612	13 7	13 9	1 14 C 13	± 5 " micaceous "
	44 7 11 14 12 6	11 14 16 5	116141613	13 9	14 4	1 14 C 13	± 5 " micaceous "
	46 0 11 14 16 5	11 15 11 0	116141614	14 5	15 2	14 E 14 18	± # 1 7 minor
	47 4 11 15 11 0	11 15 15 4	116141615	14 4	15 2	14 E 14 18	± # ± 1 ± 6 minor
	48 7 12 15 15 4	11 15 19 7	116141616	14 3	14 9	14 E 14 18	± # ± 1 ± 6 minor.
	49 3 11 15 19 7	11 16 11 7	116141617	12 0	12 2	1 14 D 10	± 5
	50 0 11 16 11 7	11 16 13 9	116141618	12 8	13 9	1 14 E 18	± # (4L124) 90:10
	51 2 11 16 13 9	11 16 18 0	116141619	14 1	14 3	1 14 E 18	± 4 ± # (4L124) 50:50
	52 4 11 16 18 0	11 17 12 0	116141710	14 0	14 5	1 14 E 18	± 4 ± # (4L24) 90:10
	53 4 11 17 12 0	11 17 15 3	116141711	13 3	13 2	14 D 10 1	± 5
	54 7 11 17 15 3	11 17 19 5	116141712	14 2	14 7	14 D 10 1	± 5
	55 9 11 17 19 5	11 18 13 3	116141713	13 8	14 1	14 D 10 1	± 5 (4LO) (4EO) 60:20:20
	57 3 11 18 13 3	11 18 17 9	116141714	14 6	15 8	14 D 10 13	± 5 (4LO) (5C*) 65:30:5
	57 8 11 18 17 9	11 18 19 7	116141715	11 8	12 4	1 14 A 10	
	58 9 11 18 19 7	11 19 13 1	116141716	13 4	13 4	1 14 D 13	
	59 6 11 19 13 1	11 19 15 6	116141717	12 5	12 8	15 A 16 19	
	60 5 11 19 15 6	11 19 18 5	116141718	12 9	13 7	14 E 18 1	± 4
	61 6 11 19 18 5	12 10 12 0	116141719	13 5	13 7	14 E 18 1	± 4
	62 9 12 10 12 0	12 10 16 3	116141810	14 3	15 2	14 E 18 1	± 4
	64 1 12 10 16 3	12 11 10 3	116141811	14 0	14 5	1 14 C 10	" Micaceous " → [4L12 4 minor]
	65 4 12 11 10 3	12 11 14 5	116141812	14 2	14 8	1 14 C 10	" Micaceous " → [4L12 4 minor]
	68 3 12 12 14 2	70 4 12 13 10 9	116141813	16 7	16 5	1 14 A 13	

EOH

DDH 88V-48 (2 / 8) CURRAGH RESOURCES INC.

Structural Log

Page _____ of _____

Date: Aug 9/88 Logged By: CVR.

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		19 8 / 16 5 0	PISR				71 4	Micaceous Foliation
		23 5 / 17 1 7 0					7 6	" "
		28 2 / 19 1 2 5	CIS12			41 1 / 18 P	8 10	P_3 banding in 4L
		30 8 / 1 10 10 9					7 19	Micaceous Foliation
		93 5 / 1 1 1 10 0	PIS12				8 15	" "
		53 9 / 1 1 17 17 0	CIS12			3 14 / 18 10	8 14	P_3 banding in 4L
		37 0 / 1 12 11 5	PIS12				8 R	Micaceous foliation
		41 5 / 1 13 16 0	PISR				7 12	" "
		45 0 / 1 14 17 5	PIS12				7 10	Banding in 4E48
		50 1 / 1 16 14 5	PISR				2 14	Micaceous foliation in thin 4L1 band
		51 7 / 1 16 19 5	PISR				6 P	Banding in 4G8
		53 8 / 1 17 16 5	PIS12				2 15	Banding in 4C5
		57 9 / 1 19 10 0	PIS12				7 14	P_3 banding
		62 8 / 2 10 16 0	PIS12				6 18	Thin 4L band in 4E1
		66 1 / 2 11 17 0	CIS12			31 9 / 0 10 10	7 12	Banding in 5A0
		68 3 / 2 2 14 0	CIS12			41 6 / 0 10 10	7 16	Carbonaceous Folia. in 5A0
		73 2 / 2 14 10 0	PIS12				8 R	" " " "

PROJECT 8811-48 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (ft)	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.	
68		4.8		.4													
72		5.4															
74		1.2	(1.8)														
78		4.4								Rock		Rec	RQD				
82		3.1								182		5.3	2.3				
84		1.1								187		5.7	3.4				
86		.6								192		5.6	2.7				
92		4.3								197		5.5	2.4				
96		5.0		.8						202		5.1	3.5				
101		5.7								207		5.9	3.4				
105		4.1								212		5.8	4.0				
109		4.9								217		5.9	1.7				
112		4.3								222		5.4					
117		5.0		.4						227		5.9	1.8				
122		5.2		1.2						232		4.9	2.2				
127		5.8		.5						237		5.4					
132		5.0		.6						242		5.5					
137		5.4		3.2								EOH					
142		5.4		1.7													
147		5.7		2.0													
152		5.7		3.4													
157		5.9		5.1													
162		6.3		3.3													
167		5.8		3.4													
172		5.4		4.1													
177		5.5		2.5													

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88V-49

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit.

Claim: _____

Terr.Plane Co-ords.: 6 903 228.26 N ~~10 118.76N~~

594 066.32 E ~~9960.00E~~ WRONG 594056.32

Grid Co-ords: 08E -1.5

9952.55
10,125.44

Elevation: 1151.18 m

All symmetry determinations looking

Total Depth: 311.0 ft. (94.8m) _____ with _____ dipping

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

Purpose: Vangorda Deposit Reserve Definition

Reason hole Terminated: Drilled into footwall.

Logged by: C.V. Reed.

Date(s) Logged: Aug 16/88 - Aug 17/88

Drilling Contractor: Arctic Diamond Drilling

CORE Size	From	To
NW	0	108.0'
NQ	108.0'	311.0'

Collar Cased and Capped: NO

Hole Cemented: NO

Steel down Hole: NO

Assay Lab: Mine

Certificate No's: _____

Started: Aug 9/88 Completed: Aug. 11/88

_____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-49 (2 8)

Date: Aug 17/88 Logged By: CWR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-49	1151.18	9032128.3	5941061.3		SR	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-49	000	180.0	010.0	AT COLLAR
R	88V-49	2918 0	178.0	012.0	SPERRY SUN SINGLE SHOT
R			.	.	
R			.	.	
R			.	.

DDH 88V-49

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG/16/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
	10	10.64		1	#1	TRICONED - NO RECOVERY
		32.4				
	10.64	12.70		2	#1	
		38.7				O/B re-drilled fragments of Anvil Bath boulders + lesser phyllitic boulders. Boulders + fragments range in size from < 2 cm to 30 cm. Only local minor O/B mud / fill recovered.
						70.7 → 108 1.5' boulder fragments rec'd.
						108.0 → 112.0 1.0' O/B fragments + pebbles rec'd
						112.0 → 117.0 5" pebbles + fragments rec'd.
						117.0 → 122.0 2.1' boulders + fragments rec'd.
						122.0 → 127.0 1.2' " " " rec'd.
	127.0	129.4		3	14C 01	± 6 (1009) 95:5.
		39.4				Mod soft, v broken + fractured, noncalcareous, musc + chl phyllite. Unit is grey/gn - white w local thin pale green chl bands aligned // S2. At EOI is 0.2' thick, foliaform pegmatitic qtz vein - contains local thin fractures infilled w fine py.
						Unit shows local patchy orange rust on fracture surfaces
						v broken - 2.4' rec'd.
	129.4	130.4		4	14G 14	± # minor.
		39.7				Mod - hard, grey - brown, high grade, thinly banded, barilite / pyrite S= Banding is generally < 3mm thick + defined by abundant brown sph + variations in bq + py content. Banding // to S2. Contains local minor calcite dass

DDH B.B.V.-4.9.
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 16 1988 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						in thin bands // to Sz. Margins of 46 band are // to Sz. Est Pb+Zn 10%.
						Core mod broken. Recy good.
	113104	117153		15	13G10	± 9
		53 4				Medium to locally dark grey, PSz foliated, mod soft.
						metaclastics, musc + << chl phyllite. Sz surfaces range from
						light shiny grey to dark grey in local, more carbonaceous
						intervals. Contains local minor thin qtz-siltstone laminae which
						may contain ≤ minor diss fine py. Laminae locally deform
						lithons. No obvious faults. Unit becomes slightly more chloritic
						+ lighter coloured near EOI.
						TOI → 134.1 ≤ broken, recy good.
						134.1 → 137.0 ≤ broken recy good.
						137.0 → EOI ≤ broken recy good.
	117153	118102		16	14G41	#
		54 9				Thinly banded, greyish-brown, high grade, calcareous, massive
						baritic / pyritic S=. Banding defined by variations in base metal,
						py, ba + calcite. Banding ranges on a scale from 1mm to
						3cm aligned // to Sz. Est % Ba 15%, Est Pb+Zn
						12-14%. No visible weathering, No faults. Contains 1 clean
						fracture // to core axis from 179.0 → EOI
						Core slightly broken recy good.

DDH 88V-149 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 16/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	118.9	118.14 9 56 4		17	1 4 E 10	± # minor. Massive, homogeneous, barren, brassy yellow pyrite. Contains local minor irregular & highly fractured clasts of grey-white calcite. Contains local patch post drilling rust on cut surface. Est Pb+Zn < 2%. Core is intact. Recov GOOD.
	118.14 9	119.10 8 58 2		18	1 4 G 4 #	± 8 minor. Med hard, thinly banded, ± calcareous, grey-brown, baritic/pyritic ss. Banding defined by variations in base metal, py, ba, + calcite content. Banding is generally thin, < 1 cm thick aligned // to Sz. Contains local small black clasts of magnetite. Est % Ba 30%. Est Pb+Zn 8-12%. No faults, No visible weathering. 186-186.5' is porous due to weathering of carbonates. Core slightly broken. Recov GOOD.
	119.10 8	119.35 59 0		19	1 4 E 4	± # Homogeneous brassy yellow massive py containing abundant highly fractured subangular grey-white calcite clasts. Clasts range in size from 1mm to 3cm ϕ. % volume occupied by clast ≈ 25%. Est Pb+Zn ≈ 4%. Margins of 4E band // to Sz. No obvious faults. Slight post drilling rust on cut surface. Core is fair - Recov GOOD. Assay = 9.13% Pb+Zn
	119.35 5	121.35 65 1		1 10	1 4 G 4 #	± 8 (10 @ 9 trace) Light greyish-brown, ± high grade, ± calcareous, thinly

DDH 88-49
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 16/88 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						banded barite massive S_1. Banding defined by abundant
						hairy coloured Sph aligned // to S_2. Contains local mass in
						ū thin local bands aligned // to S_2. May also occurs in local
						▽ small black "specks". From 202 to 202.9 is massive brown
						Sph ū fine dess^n py + fine local sub-rounded calcite & qtz
						clasts. 196.7 → 197.5 foliaform highly fractured qtz veins.
						Fractures infilled with calcite, py, + minor v gal + reddish-brown sph.
						TOT → 194.5 & 207.3 → 208.2 locally porous due to weathering
						of carbonates. No obvious faults No visible weathering.
						Est Pb+Zn 16%.
	12 13 5	12 12 14 6		1 1	14 K 10	± 4
		6 8 5				
						Mod^t hard, pyritic marble. Vague banding defined by
						fine py. Contains local minor gal infilling fractures
						in calcite. Unit is 40% calcite, 45% py remainder is
						qtz + gal. Contains local, angular, coarse qtz clasts ranging
						in size up to 5 cm ø.
						Est Pb/Zn ranges from 1 - 4%. No faults, no
						visible weathering. Core intact, very good.
	12 12 14 6	12 13 B 7		1 1 2	14 E 14 H	± 6
		7 0 9				
						Mod^t hard, ū calcareous, thinly banded, locally barite
						massive pyritic S_1. Banding ranges on a scale of 1cm
						to 6 cm thick aligned // to S_2. Banding defined by
						variations in Py & calcite & by local concentrations of
						base metal. Last 5' of unit contains intervals of dess^n

DDH 88V-49 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 16/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						barite. No faults, No visible weathering.
						Est Pb+Zn 10%. Core slightly broken. Recy GOOD.
	12312 7	12315 7 / 718		113	141G41	FF
						Light tannish brown, med hard, locally calcareous, high grade barite SE. Contains thin bands aligned // to Sz defined by abundant honey coloured sph. Contains local calcite dess in thin bands // to Sz No faults, No visible weathering
						Est Pb+Zn 16%.
						701 - 234.4 intact
						234.4 - EOT v broken due to steep fracture. Recy GOOD.
	12315 7	12612 9 / 801		114	151A611	9 → [4A0]
						Mod hard to locally soft, locally CSz foliated, medium grey to black, carbonaceous, siliceous phyllite transitional to qtzite. Unit is noncalcareous. Contains abundant micaceous foliations w carbon coatings. Sz surfaces are carbon black + are locally medium grey in top 5' of unit + bottom 5' of unit. Margins of this 5A band are altered light grey + contain less carbon. Contain local thin qtz rich bands w dess fine py + lesser dess medolish brown sph. Sz very steep - ∠ 20° to core axis. Local past Sz fold nose at 238'. Top + bottom contacts are // to Sz.
						Est % Pb+Zn 2-3% No faults.
						Entire interval mod broken. Recy GOOD.

DDH BBV-4.9
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 17/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12612 9	12617 5		115	14G14 #	
		81 5				Tannish grey, mod⁻ hard, calcareous, thinly banded to thickly laminated, baritic S⁼. Banding defined by abundant reddish-brown sph. Calcite is ubiquitous. No faults. No visible weathering. Est Pb+Zn 16-20%.
						Core 5 broken, very good.
	12617 5	12710 1		116	14C10	"chloritic"
		82 3				Mod⁻ hard, highly fractured, noncalcareous pyritic qtz-ite. Unit is poorly banded w banding ll to core axis. Banding defined by fine py + interstitial qtz. Only local minor dess⁻ sph+gal. Fractures infilled w dominate fine py + lesser ee. Margins of fc sharp ll to Sz. Contain local abundant chl > musc foliations developed ll to Sz. Core s⁻ broken. Very good. Est Pb+Zn <2%. Est % py 15-20%
	12710 1	12810 9		117	14E14G	± # ± 8
		85 6				High grade base metal banded, locally calcareous, locally baritic massive pyritic S⁼. Unit is thinly banded defined by sph+gal + pyrite. Near TOI contains dess⁻ calcite in sulphides. Calcite also occurs locally in small subrounded white clasts. Contains local mm⁻ in⁻ thin black bands aligned ll to Sz.
						Est Pb/Zn 18%. No faults. No visible weathering.
						Core in broken. Very good

DDH 88V-49 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Aug 17/88 Logged By: CJR

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	12810 9	12910 0		118	14E4	± B ± F ± P ± Bx A.
		88 4				Mod hard, locally calcareous, poorly banded massive pyritic
						sulphide local thin banding defined by concentrations of sph +
						gal. Banding is aligned // to Sz. Contains local calcite dess
						in thin streaks // to Sz. Overall colour is brassy yellow.
						288.1 to FOI. 4E is 0 fractured + individual 4E
						fragments are locally rotated. Fractures infilled w creamy white
						dol + calcite + lesser qtz. Fracture system is // to core
						axis. Breccia is related to major fault gouge zone
						directly below it.
						Est Pb+Zn ranges from 2-8%. No visible weathering.
	12910 0	13010 4		119	14L	GOUGE + Bx A
		91 6				Flaky 4L mud gouge + small phyllite fragments.
						Gouge is creamy white, locally grey, v soft, noncalcareous.
						Top contact 73° to core axis. Bottom contact 35° to core axis,
						no other orientations possible.
						FOI → 292' Gouge 1.2' rec'd.
						292 → 294 Gouge 1.3' rec'd
						294 → FOI Gouge 3.3' rec'd
	13010 4	13015 5		120	15C4	+ (1000) 90:10
		93 1				Mod soft, pale green, altered chloritic phyllite. Contains
						local carbonate - dol? ankerite? in thin whitish-grey
						bands aligned // to Sz. Sz surfaces are chl pale green
						Contains local thin foliaform pegmatitic qtz veins ranging

DDH 88V-49

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug-17/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
						in thickness from 1cm to 6cm.
						101 - 302.5 ▽ broken 2.1' rec'd.
						302.5 - FOI in broken very o.k.
	310.5	311.1		121	15A10	(1000)
		309.8				Mod soft, calcareous, dark grey, PSz foliated, carbonaceous phyllite. Sz surfaces are shiny dark grey. Contains abundant thin qtz + calcite bands which locally may define lithons. Bands are generally < 1cm thick. 309.3 - 310.3, foliaform, white pegmatitic qtz vein. TOI thin incipient gouge zone dipping 51° to core axis, 270° relative to Sz
						Core slightly broken. Recy 6000
						EOH

DDH 88V-149 (2 … 8)

CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date AUG 17/88 Sampled by CM

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 … 14	16 … 20	22 … 26	28 … 30	32 … 34	36 … 40	42
	1 1 2 19 4	1 1 3 10 4	1 1 6 1 5 1 2 1 7	1 1 0	1 2 8	1 1 4 1 G H	± #
	1 1 7 1 5 3	1 1 8 1 0 2	1 1 6 1 5 1 2 1 8	1 4 9	1 4 5 9	1 1 4 1 G 1 4	#
	1 1 8 1 0 2	1 1 8 1 4 9	1 1 6 1 5 1 2 1 9	1 4 0	1 5 6 1	1 1 4 1 E 1 0	± # minor
	1 1 8 1 4 9	1 1 8 1 7 0	1 1 6 1 5 1 3 1 0	1 2 1	1 2 9 9	1 1 4 1 G 1 4	# ± 8 minor
	1 1 8 1 7 0	1 1 9 1 0 8	1 1 6 1 5 1 3 1 1	1 3 8	1 3 1 5	1 1 4 1 G 1 4	# ± 8 minor
	1 1 9 1 0 8	1 1 9 1 3 5	1 1 6 1 5 1 3 1 2	1 2 7	1 3 1 0 2	1 1 4 1 E 1 4	± #
	1 1 9 1 3 5	1 1 9 1 8 7	1 1 6 1 5 1 3 1 3	1 5 2	1 4 5 9	1 1 4 1 G 1 4	# ± 8
	1 1 9 1 8 7	1 2 1 0 1 3 9	1 1 6 1 5 1 3 1 4	1 5 2	1 5 6 2	1 1 4 1 G 1 4	# ± 8
	1 2 1 0 1 3 9	1 2 1 0 1 8 3	1 1 6 1 5 1 3 1 5	1 4 4	1 5 5 0	1 1 4 1 G 1 4	# ± 8
	1 2 1 0 1 8 3	65.5 1 2 1 1 1 3 5	1 1 6 1 5 1 3 1 6	1 5 2	1 5 5 0	1 1 4 1 G 1 0	# ± 8
	1 2 1 1 1 3 5	66.1 1 2 1 1 1 7 0	1 1 6 1 5 1 3 1 7	1 3 5	1 4 2 1	1 1 4 1 K 1 0	
	1 2 1 1 1 7 0	67.3 1 2 1 2 1 0 9	1 1 6 1 5 1 3 1 8	1 3 9	1 3 2 9	1 1 4 1 K 1 0	
	1 2 1 2 1 0 9	68.5 1 2 1 2 1 4 6	1 1 6 1 5 1 3 1 9	1 3 7	1 3 1 8	1 1 4 1 K 1 0	± 4
	1 2 1 2 1 4 6	69.9 1 2 1 2 1 9 3	1 1 6 1 5 1 4 1 0	1 4 7	1 5 5 0	1 4 1 E 1 4 #	± 6
	1 2 1 2 1 9 3	70.9 1 2 1 3 1 2 7	1 1 6 1 5 1 4 1 1	1 3 4	1 3 1 6	1 4 1 E 1 4 #	± 6
	1 2 1 3 1 2 7	71.8 1 2 1 3 1 5 7	1 1 6 1 5 1 4 1 2	1 3 0	1 3 9 0	1 4 1 G 1 4 1	± #
	1 2 1 3 1 5 7	73.2 1 2 1 4 1 0 2	1 1 6 1 5 1 4 1 3	1 4 5	1 5 6 4	1 5 1 A 1 6 1 1	9 → [4A0]
	1 2 1 4 1 0 2	74.6 1 2 1 4 1 4 7	1 1 6 1 5 1 4 1 4	1 4 5	1 5 6 1	1 5 1 A 1 6 1 1	9 → [4A0]
	1 2 1 4 1 4 7	75.6 1 2 1 4 1 8 3	1 1 6 1 5 1 4 1 5	1 3 6	1 5 5 0	1 5 1 A 1 6 1 1	9 → [4A0]
	1 2 1 4 1 8 3	77.3 1 2 1 5 1 3 5	1 1 6 1 5 1 4 1 6	1 5 2	1 4 5 9	1 5 1 A 1 6 1 1	9 → [4A0]
	1 2 1 5 1 3 5	78.7 1 2 1 5 1 8 3	1 1 6 1 5 1 4 1 7	1 4 8	1 5 5 0	1 5 1 A 1 6 1 1	9 → [4A0]
	1 2 1 5 1 8 3	80.1 1 2 1 6 1 2 9	1 1 6 1 5 1 4 1 8	1 4 6	1 5 5 2	1 5 1 A 1 6 1 1	9 → [4A0]
	1 2 1 6 1 2 9	81.5 1 2 1 6 1 7 5	1 1 6 1 5 1 4 1 9	1 4 6	1 5 6 2	1 4 1 G 1 4 1 #	
	1 2 1 6 1 7 5	82.3 1 2 1 7 1 0 1	1 1 6 1 5 1 5 1 0	1 2 6	2 9 7	1 1 4 1 K 1 0	"Microcrows"
	1 2 1 7 1 0 1	83.5 1 2 1 7 1 3 8	1 1 6 1 5 1 5 1 1	1 3 7	1 4 3 3	1 4 1 E 1 4 1 6	± # ± 8
	1 2 1 7 1 3 8	84.7 1 2 1 7 1 7 8	1 1 6 1 5 1 5 1 2	1 4 0	1 4 3 2	1 4 1 E 1 4 1 6	± # ± 8
	1 2 1 7 1 7 8	85.6 1 2 1 8 1 0 9	1 1 6 1 5 1 5 1 3	1 3 1	1 4 3 2	1 4 1 E 1 4 1 6	± # ± 8
	1 2 1 8 1 0 9	86.9 1 2 1 8 1 5 2	1 1 6 1 5 1 5 1 4	1 4 3	1 5 5 1	1 1 4 E 1 4	± 8 ± # ± Bx A
	1 2 1 8 1 5 2	88.4 1 2 1 9 1 0 0	1 1 6 1 5 1 5 1 5	1 4 8	1 4 5 9	1 1 4 E 1 4	± 8 ± # ± Bx A.
			EOH	14			

DDH 88V-49 (2 / 8)

CURRAGH RESOURCES INC.

Structural Log

Page _____ of _____

Date: Aug 17/88 Logged By: CUR

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	
		39 6 / 11310 0	PIS12				310	Banding in 4G
		41 1 / 11315 0	PIS12				616	Micaceous foliation
		44 2 / 11415 0	PIS12				710	" "
		46 9 / 11514 0	PIS12				715	" "
		49 5 / 11612 5	PIS12				618	" "
		52 4 / 11712 0	PIS12				712	" "
		56 7 / 11816 0	PIS12				710	Banding in 4G4
		60 4 / 11918 0	PIS12				610	" " "
		63 1 / 12017 0	PIS12				511	" " "
		65 7 / 12115 5	PIS12				315	Banding in 4KO
		68 6 / 12215 0	PIS12				210	Banding in 4G4
		70 1 / 12310 0	PIS12				512	" " "
		71 3 / 12314 0	PIS12				210	" " "
		74 4 / 12414 0	PIS12				110	Carbonaceous foliation
		76 8 / 12512 0	PIS12				218	" "
		78 3 / 12517 0	PIS12				018	" "
		79 9 / 12612 0	PIS12				315	" "
		81 4 / 12617 0	PIS12				514	Banding in 4G
		83 5 / 12715 0	PIS12				510	" " "
		86 3 / 12813 0	PIS12				210	Banding in 4EO
		89 3 / 12913 0	PIS12				210	Micaceous foliation
		93 0 / 13015 0	PIS12				612	" "
		94 3 / 13019 5	PIS12				718	" "

EOH

PROJECT 88V-49 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
102		1.9								Depth		Rec	P	RQD			
112		1.1								222		5.0		5.0			
117		.6								227		5.3		5.1			
122		2.3								232		5.2		4.5			
127		1.3								235½		3.2		2.3			
130		2.9								240½		5.8		3.4			
133		3.4								245½		5.7		2.8			
137		4.3								250½		5.5		1.9			
140		2.1								256		5.6		2.9			
142		2.5								262		6.2		2.2			
147		5.6								267		5.3		3.7			
151½		3.5								272		5.0		3.7			
156		5.5								277		5.2		1.3			
162		5.6								282		6.5		3.8			
167		5.2								287		5.4		3.2			
172		5.3								292		4.5		2.7			
174		2.2								294		1.4					
179		5.3		4.2						302		5.4		2.3			
182		3.1		2.5						305½		3.6					
187		5.6		4.6						311		5.4					
192		4.7		4.5													
197		4.9		2.6													
202		4.8		2.7								O K					
206		3.8		3.3													
212		6.2		4.8													
217		5.5															

(cont.)

Fig. 1. Typical rock mechanics core log.

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: Aug 12/88

Hole Number: 88V-50

Reference Fabric Orientation Diagram:

Project: Vangorda Summer 1988

Location: Vangorda Deposit.

Claim: ____

Terr.Plane Co-ords.: 6903071.62 N 9939.45 N

594,160.06 E 9925.32 E

Grid Co-ords: 14E - 2.5

Elevation: 1148.45

All symmetry determinations looking

Total Depth: 145.0 ft. (44.2 m)

NW with S2 dipping

Inclination: -90° (Vertical)

SW with dip azimuth ____.

Purpose: Ore Reserve Definition + Met. samples.

Reason hole Terminated: Drilled into footwall.

Logged by: C.V. Reed.

Date(s) Logged: Aug. 12/88

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To	
NQ	0	145.0'	
____	____	____	
____	____	____	

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: Mine B.C. Au & S.G.

Certificate No's: ____

Started: ____ Completed: ____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 88V-50
2 8

Date: AUG 12/88 Logged By: CUR

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	88V-50	1148.45	9030716	5941610-1		52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	88V-50	00	180.0	10.0	AT COLLAR
R			.	.	
R			.	.	
R			.	.

DDH 88-V-50
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 12/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	14157		1	14	Overburden - Trimmed No Recovery
		139				
	1415 7	15120		12	14L10	±2 Weathered
		158				Highly weathered to a tannish yellow, mod soft, noncalcareous,
						altered musc + chl phyllite. Fracture surfaces are bleached
						tannish-grey. Contains local thin qtz + py bands aligned
						// to Sz. Bands are generally < 2 cm thick.
						Core mod broken, Recy GOOD.
	1512 0	17147		13	13G10	± 9 minor.
		228				Mod soft, noncalcareous, medium grey, musc >> chl phyllite.
						Unit is Sz foliated, Sz surfaces are shiny, medium-grey.
						Contains local minor fine py diss in thin bands // to
						Sz. Unit becomes gradually lighter moving down the unit.
						Contains local thin fractures infilled w qtz.
						TOI - 59.2 ▽ broken along Sz surfaces
						59.2 - EOI ▽ broken, very good.
						Oxl, local minor patchy rust on cut + fracture surfaces.
						No faults.
	17147	19145		14	14L16	(3GO) 70:30.
		288				Dominate unit is a mod soft, noncalcareous, PSz
						foliated altered chl > musc phyllite. Contains abundant fine
						pale green chl laminae developed // to Sz foliation.
						Sz surfaces are dull pale greenish-grey.
						From 82.0 ⇒ 87.0 medium grey, soft, noncalcareous

DDH 88V-50 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG 12/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						musc → chl phyllite. Margins with more greenish alt and gradational over 6" intervals.
						Entire interval is locally v fractured w local minor incipient gouge developed in thin bands // to Sz.
						TOI → 82.0 v broken, very good
						82.0 → 90.8 m broken, very good.
						90.8 → EOI rubble, 1.5' rec'd.
	19.4 5	1 10 12 8 (3 1 3)		15	15 A 1 1	6 ± 9 minor (4EO) 90 : 10.
						Dominate unit is black, locally siliceous, mercalcareous, carbonaceous phyllite. Sz surfaces are carbon black + shinely mark fingers.
						Unit is locally v broken m local thin bands of incipient flaky gouge. 2" gouge interval centered at 98.9. Margins are // to Sz
						100.2 → 101.7, brassy, yellow, homogeneous, massive Py vein band. Margins // to Sz. Py band is mercalcareous.
						TOI → 100.2 Rubble, 3.8' rec'd.
						100.2 → EOI v broken, very O.K.
	V 10 12 8	1 1 16 7 (3 5 6)		16	4 E ## 8	± 1 minor.
						v hard, locally thinly banded, calcareous massive Pyrite S=. Banding defined by local discontinuous streaks of black mag aligned // to Sz. Banding ranges up to 1 cm thick. Contains abundant calcite dess in feathery streaks in massive Py aligned // to Sz. Contain local minor interstitial qtz + local small whitish-grey qtz clasts

DDH 88V-501

CURRAGH RESOURCES INC.

Lithologic Log

Date: AUG 12/88 Logged By: CWM

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						which are generally <2cm ϕ ῡ long axis aligned // to S_2. No visible weathering. No visible faults. Est Pb+Zn ranges from 2-5%.
						Core slightly broken. Recy is GOOD.
	1116 7	1121 2		17	141612	(4AO) (4G4 + 8 minor) 30:30:30.
		372				mixed unit consisting of one top band of 4L6, 4AO is the middle + 4G4 at the end.
						EOI → 117.5 mod^{ly} soft, noncalcareous green-grey chl > musc altered phyllite. Contains local thin bands of fine py + interstitial grey qtz generally aligned // to S_2. Margins of 4L band are // to S_2.
						117.5 → 119.7 mod^{ly} hard, black, low grade, carbonaceous qtzite. Contains abundant, black carbonaceous minerals. Foliation aligned // to S_2. Unit is highly fractured + infilled w/ white qtz + locally infilled w/ fine py + lesser sph + gal. One local 2" thick band contains fine py + interstitial sph + gal. S_2 surfaces are coated black. Margins of bands are // to S_2. Est Pb+Zn 2-4%. Est % P_y 15%
						119.7 → EOI ῡ hard, noncalcareous, high grade, banded/psuedo massive S^2. Banding ranges on a scale of 0.5cm → 3.0cm + defined by variations in base metal, py, ± ba content. Contains local small black "clots" of black mag. No visible weathering. Est Pb+Zn 1%.
						Entire interval is slightly broken, Recy GOOD. No obvious faults.

DDH 88V-50 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: AUG/2/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1121R 2	1131O 7		18	15A16	19 → [4AO]
						Black, noncalcareous, mod soft to locally hard, carbonaceous, siliceous phyllite transitional to qtzite. Sz surfaces are carbon black + strongly mark fingers. Contain abundant thin qtz ± dest py bands aligned ll to Sz + locally deform microlithons. Est 7% Py 8%. No visible sph+gal.
						130 → 130.7 is flakey black mud gouge. Gouge contains small fragments of pyritic S=. Margins lost in rubble - no orientation possible. Fault is significant.
						Unit is ṽ broken. Recy is good.
	1131P 7	11319 1		19	4E018	1+4 (4A4) 60:40
		424				Dominant unit is a ṽ hard, locally thinly banded, magnetic, brassy yellow massive py S=. Banding is defined by local concentrations of sph+gal. Banding is generally less than 0.5 cm thick - aligned ll to Sz. Contains local porous sheeny fractures infilled ṽ calcite. Fractures are generally ll to core axis. Unit is noncalcareous - est Pb+Zn of 4E is 2-4%. 4E contains fine interstitial grey qtz. Est 7% Qtz < 15%. Contains local mag in fine banded bands aligned ll to Sz.
						From 132.8 to 135.8 is a highly fractured + broken ṽ hard, sph rich, ribbon banded carbonaceous qtzite. S² surfaces are dark grey to black. Contains local thin highly fractured qtz veins. Banding is thin aligned ll to S1 + S2 + defined by reddish-brown sph + lesser py.

DDH 88-V-15-01 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Aug 12/88 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Est 0% Pb+Zn 10% Sph >> Gal. Est 0% Py 8%
						Margins of 4A band are // to S_2.
						TOI → 133.2 Slightly broken Recy good
						133.2 → 136.3 V broken due to fractures
						136.3 → EOI M broken along steep fracture.
	113.9	114.50			4L16	±2±4 minor.
		44.2				Highly fractured & broken, mod soft, non-calcareous greenish-grey altered chl > musc. Contains local minor thin bands of gtz + py ± less sph aligned // to S_2. S_2 surfaces are dull greenish-grey. Contains abundant thin pale green chl laminations developed along S_2 foliation. Last 1.5' of unit is highly fractured & brecciated.
						Est 0% S= 8-10%. Dominantly Py.
						TOI - 142.0 V broken Recy O.K
						142.0 - 145.0 rubble 2' recovered.
						EOH

DDH 88V-150 (2 … 8)

CURRAGH RESOURCES INC.

Page ____ of ____

Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date 06/12/88 Sampled by CVR

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	110 30 5	116 31 2	116418141	12 2	12 8	15A116	9 (4EO) 70:30
	110 12 3	110 18 5	116418151	16 2	15 7	14E#18	± 1 minor
	110 18 5	111 12 2	116418161	13 7	15 0	14E#18	± 1 minor
	111 12 2	111 16 7	116418171	14 5	15 1	14E#18	± 1 minor
	111 16 7	111 19 2	116418181	12 5	14 0	14L16	(4AO) 50:50
	111 19 2	112 12 2	116418191	13 0	12 5	14G14±	8 minor
	112 12 2	112 16 4	116419101	14 2	14 9	15A116	9 → [4AO]
	112 16 4	113 10 7	116419111	14 3	14 5	15A116	9 → [4AO]
	113 10 7	113 12 8	116419121	12 1	11 8	14E181	± 4
	113 12 8	113 16 7	116419131	13 9	13 0	14A14	
	113 16 7	113 19 1	116419141	12 4	12 9	14E181	± 4
			EOH				

DDH 88V-50 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: Aug/88 Logged By: CVR

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	
		14 5 / 14 17 5	PSR				715	Micaceous Foliation.
		17 4 / 15 17 2	PSR				815	" "
		22 6 / 17 14 0	PSR				815	" "
		24 4 / 18 10 0	PSR				710	" "
		26 2 / 18 6 0	PSR				716	" "
		27 4 / 19 10 0	PSR				718	" "
		32 6 / 1 10 17 0	PSR				710	Mag streaks in 4E
		36 6 / 1 12 10 0	PSR				711	Banding in 4A0.
		39 0 / 1 12 18 0	PSR				715	Carbonaceous Folia
		43 6 / 1 14 3 0	PSR				618	Ch1 laminations in 4L.

PROJECT 88V-50 DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGED _____ 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.	
47		1.4															
52		5.1															
57		5.6															
62		4.6		-													
67		5.0															
72		6.0															
77		6.1		.4													
82		5.2		1.2													
87		5.0															
91		3.6															
94½		2.2															
98		2.0															
102		3.9		.4													
107		4.8		2.9													
111		5.4		4.1													
116		5.6		4.1													
121.5		5.4		2.0													
125		3.7		1.5													
130		5.7															
135		5.0		1.6													
140		5.0		1.8													
145		4.4															
	50																

Fig. 1. Typical rock mechanics core log.