

003141

1988

FARO
UNDERGROUND

DDH

LOGS

DIAMOND DRILL CORE LOG

Date: Sept 15/88

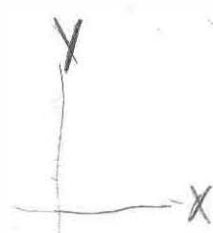
88F-01

Hole Number: 88F-01

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)



SECTION: 118+000

MINE Terr. Plane Co-ords.: 8499.29 N

14399.40 E

Grid Co-ords: _____

Elevation: 3554.67

All symmetry determinations looking

Total Depth: 127'

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____

Purpose: To better delineate underground reserves - gain geotechnical data

Reason hole Terminated: Drilled through ore horizon into footwall

Logged by: SBC

Date(s) Logged: Sept 15-16/88

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped:
NW	0.0'	8.5'	<u>No</u>
NQ	8.5'	127'	

Assay Lab: _____

Certificate No's: _____

Started: Sept 11/88 Completed: Sept 16/88

DDH 88F-01
2 8

Diamond Drill Core Log

Date: Sydney Logged By: SEC

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	88F-01	3554.67	8499.29	14399.40	FEET	52						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments					
I	2	8	10	14	22	26	28	32	34	56
R	88F-01	00	180.0	90	AT COLLAR					
	88F-01	1.27	180.0	90	NOT MEASURED					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions		
I	2	8	10	56
	88F-01	DOWN HOLE SURVEY WAS NOT PERFORMED BECAUSE OF SHALLOW DEPTH OF HOLE - VERTICAL IS ASSUMED		

Lithologic Log

Date: Sept 15, 84 Logged By: SBC

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
L	00	85			1	*						Tripped - no recovery.
L	85	358	273		2	11D0						<p>Moderately soft, non calcareous, light grey phyllite. PS₂ silvery grey. Unit is characterized by light grey foliated groundmass with negligible biotite content. Dark green/grey patches and lenses of chlorite which may be relic andalusite microveinlets of qtz and/or silicified clay (light yellow) are // to S₂ and enhance this planar feature visually. Qtz veining commonly up to 3cm along core axis - locally contains andalusite patches. Microveinlets both // and cross-cutting S₂ folia.</p> <p>8.5-10 moderately broken, mineral gouge (grey) at 10' (minor) / gouge at 19.7 (1 inch) 10-23.2 moderately broken - 23.2 broken along S₂ minor gouge / 23.2-32.5 slightly broken (28.3, 29.2 minor gouge) / 32.5 - EOI moderately broken. No major faults, recovery good.</p>
L	358	390	32		3	1D149						<p>→ 2C3</p> <p>Moderately hard, non calcareous, buff white. PS₂ creamy white. Unit is both altered and silicified but clearly a phyllite with qtz and muscovite defining prominent S₂ folia. Muscovite hosts 1-3mm patches of andalusite. Also // to S₂ is fine grained pyrite (patchy). Locally, the unit looks brecciated? with pieces of 109 in pyritic (lense) matrix. Grade is poor (Pb+Zn). Moderate weathering/oxidation of pyrite gives slight rust appearance.</p> <p>TOI - EOI slightly broken, recovery good.</p>

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	39.0	62.5	21.0	A	ZAD	9 minor Ribbon banded graphitic quartzite. Unit characterized by carbonaceous and siliceous bands primarily // to S ₂ (except when folded by post D ₂ event. Pyrite is fine to medium grained patchy and // to S ₂ as it primarily occurs in the siliceous bands. Qtz veinlets cross-cut S ₂ folia and host fine grained pyrite and fine grained patchy chalcophyrite. Grade is generally poor with good grade b/w 42.7-44.3 - the chalcophyrite veining occurs primarily within this interval. Grade: 1-3% Pb+Zn TOI - 43 moderately broken - Top contact to 1049 sharply defined by carbonaceous content / 43-49.2 slightly broken / 49.2-50.5 moderate to very broken (along fractures primarily) / 50.5-54.5 slightly broken / 54.5-54.9 gouge Top 080/35 bot same possibly significant flt / 54.9-58.5 moderately broken / 58.5-61.2 very broken, poor recovery - lost 2.5' / 61.2-EOI moderately broken. Bottom of unit becoming less pyritic to nil.
L	62.5	72.1	7.5	S	ZIF4	(10A) breccia 98:2 6 minor Pyritic massive sulphide. Typical coarse grained sub-hedral pyrite in a matrix of sphalerite and galena (buckshot texture). Grade is good and appears to be evenly distributed. Small clasts from 0.5cm to ~12cm @ 65-65.5 of 10A. (S ₂ folia is visible in largest clast. Unit is moderately porous with leached out fractures of probably barite. Some leached out fractures are // to S ₂ or at least appear to be. Pb+Zn = 15% TOI - 64.1 rubble, very poor recovery (lost 1.1ft) / 64.1-66.2 mod broken / 66.2-67.3 v. broken, poor rec (lost 1ft) / 67.3-EOI slightly broken no faults.

Code	From	To	Recov.	No.	Unit	Description					
I	10	14	16	20	22	24	26	28	30	34	35
L	72.1	77.8	57	6	ZHA	(ZE4)(1DA) breccia 97:2:1 Pyrrhotitic massive sulphides. Pyrrhotite is brassy brown, very fine grained dominantly massive, locally it appears to be patchy. Top and bottom contact of unit sharply defined by pyrrhotite content. Pyrite is minor perhaps 10-20% and very fine grained. Very minor chalcopyrite seen as discrete disseminations (small). Subrounded clasts? of ZE4 brecciated piece irregularly dispersed throughout unit range in size from 2mm to 1cm across w feathered edges. Breccia pieces? of 1DA also visible - small to 1cm across as well. Minor fractures filled w silica & clays?. S ₂ not dominant in massive unit. TOI - 72.4 slightly broken / 72.4-72.6 rubble / 72.6-EOI slightly broken, recovery good - no major faults. Pb+Zn = 10-12%					
L	77.8	81.8	30	7	ZE4	6 very minor Pyritic massive sulphide. Pyrite is both very fine grained massive to incipient buckshot texture - minor coarse sub-hedral pyritic blasts. The very fine grained pyrite occurs as a patch or clast? at 78.3-78.5. One large bull gtz vein? at 79. Moderate porosity with most pore spaces showing signs of baritic content. Top and bottom contacts sharply defined Estimated grade: 9% Pb+Zn. TOI - 81 mod. broken / 81 very broken (lost 1 ft) poor recovery / 81-EOI mod. broken - no major faults.					

Code	From	To	Recov.	No.	Unit	Description	
1	10	14	16	20	22 24	26 28 30	34 35
L	81	87	53	8	ZCZA	3 minor Pyritic quartzite. Pyrite commonly fine grained patchy but to S ₂ in quartzite matrix. It also less commonly occurs as medium grained subhedral blasts S ₂ and in a matrix of PbS + ZnS also S ₂ . These bands are prevalent up to 3mm thick. ZnS + PbS bands ± fine grained pyrite also occur S ₂ and give the unit its grade. Fractures both and x-cutting S ₂ folia minor and filled with silicified clasp? Top contact sharp, bottom defined by carbonaceous content. %FeS ₂ ~ 15-20%. Estimated grade: 5% Pb+Zn. TOI-EOI slightly broken; ground core at EOI recovery good - no major faults.	
L	87	104	31	7	ZAA	Ribbon banded carbonaceous quartzite. Pyrite ~ 20% medium to coarsely grained patchy and confined to siliceous bands. Siliceous bands pinch and swell with carbonaceous bands defining ZAA texture. Fractures silica rich x-cut dominant S ₂ folia but are minor. PbS seen a coarse xstals locally at EOI. Both sphalerite and galena are fine grained and minor occurring in quartz bands only. Bottom contact is sharp with IDT. Estimated grade: 3% Pb+Zn. TOI-93.2 slightly broken / 93.2-94 nod. broken / 94-97 slightly broken / 97-102 very broken (lost 2.5') poor recovery @ 102 minor gouge, interval S ₂ / 102-EOI slightly broken; no major faults.	

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
L	1043	1132	10	110	1104	9				±8 (1D0) 60:40
										Moderately soft, non calcareous, beige white to grey altered phyllite. Psz surfaces both buff white and grey. Unit is an intercalation of 104 and 100 the former being most dominant. Unit characterized by laminations of chlorite, qtz, muscovite and carbonaceous material (minor). Andalusite occurs as feathered subrounded to patchy (pink) blebs somewhat // S ₂ . Qtz veining commonly up to 3 cm with fine grained pyrite, andalusite. Minor x-cutting fractures.
										TOI-107 mod. broken / 107-EOI slightly broken, good recovery - no major flts.
L	1132	1270	138	111	1100					[100]
										Moderately soft, non calcareous, grey to grey brown phyllite. Psz grey brown. Biotite > muscovite in unit characterized by biotite, muscovite, carbonaceous bands in with siliceous bands - possibly not enough to call it a 100. Minor pink subhedral blast of andalusite → 3 mm across. Darker patches of possibly chlorite also occur as lenses stretched out parallel to S ₂ folia. Qtz veining mostly // S ₂ up to 3 cm along core axis host also chlorite dominantly seen as selvages. Minor x-cutting fractures filled w/ silicified clays? → also occur as patches. Top contact gradational over 6 inches.
										TOI-116 slightly broken / 116-117 mod. broken / 117-EOI slightly broken, recovery good - no major faults.

(EOH)

DDH 88F-01

CURRAGH RESOURCES INC.

Page 8 of

Logged by SBC

ASSAY LOG (SAMPLER'S COPY)

Date Sept 14/88

Sampled by

CODE	FROM				TO				SAMPLE				INTR.				REC				UNIT	DESCRIPTION					
	10	14	16	20	22	26	28	30	32	34	36	40	42	10	14	16	20	22	26	28			30	32	34	36	40
P	1358	1390			428817				13.2				132				2A0										→ 2C3
P	1390	1430			428818				14.0								2A0										9 minor
P	1430	1475			428819				14.5								2A0										"
P	1475	1520			428910				14.5								2A0										"
P	1520	1560			428911				14.0								2A0										"
	1560	1625			428912				16.5								2A0										"
	1625	1690			428913				16.5								2FA										(IDA) breccia 98:2 6 minor
	1690	1721			428914				13.1								2FA										"
	1721	1778			428915				15.7								2HA										(2E4)(IDA) breccia 97:2:1
	1778	1818			428916				14.0								2EA										6 very minor
	1818	1871			428917				15.3								2C2A										3 minor
	1871	1920			428918				14.9								2A0										
	1920	1970			428919				15.0								2A0										
	1970	1043			4291010				17.3								2A0										

Code	From				To				Feature Sym	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24	26	28		Dip	Direct.	Dip	Direct.	Dip	Direct.		
S				1200										60			
S				1430										85			Sulphide banding
S				1820										72			" "
S				1920										70			carbonaceous banding
S				11120										45			
S				11230										30			

DIAMOND DRILL CORE LOG

Date: Sept 26/88

Hole Number: 88F-02

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION: 117+000

MINING
Tert. Plane
Co-ords.: 8615.91 N

14274.30 E

Grid
Co-ords: _____

Elevation: 3553.19

All symmetry determinations looking

Total Depth: 90'

_____ with _____ dipping

Inclination: _____

_____ with dip azimuth _____.

Purpose: To better delineate underground reserves - gain geotechnical data

Reason hole Terminated: Drilled through ore horizon into footwall

Logged by: SBC

Date(s) Logged: Sept 26/88

Drilling Contractor: ARENE

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped: <u>No</u>
<u>NW</u>	<u>0</u>	<u>13'</u>	
<u>NR</u>	<u>13'</u>	<u>90'</u>	

Assay Lab: _____

Certificate No's: _____

Started: Sept 20/88 Completed: Sept 21/88

88F-02

Code	From	To	Recov.	No.	Unit	Description
L	10 14 16	20 22 24	26 28 30	34 35	1 *	Traced - no recovery.
L	130	170	140	2	1D01	Moderately soft, non calcareous, light grey phyllite - Ps ₂ light grey. Very little or no biotite. Muscovite, qtz and carbonaceous banding are the main constituents of the unit to darker grey/green patches to S ₂ - probably relic andalusite; now its chloritic. Unit is riddled with veins/microveinlets and x-cutting S ₂ folia - composition probably silicified clays. TOI - 14 mod broken, very broken at 14 / 14 - EOI mod broken; recovery good - no major faults.
L	170	235	115	3	1D101	(10E99) breccia Moderately soft, non calcareous, light grey to white phyllite/dyke. Classic breccia unit with clasts of unit 2 with clasts of 10E99/gouge. Clast range in size from mm to 10 cm. Top contact is gouged with large core loss ~ 2 ft. Dyke is dioritic with most diorite xstall altered in an altered siliceous matrix (yellow) typical of 10E99 found near orebody (sulphides) TOI core loss 2' at TOI / TOI - EOI mod. broken / @ EOI gouge (white mud) - recovery generally poor - probably major flt zone.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24 26 28 30 34 35				
L	235	285	35	A	1D4	<p>Moderately soft, non calcareous, buff white phyllite - P₂ buff white. Minor biotite, visible small blebs of cordalucite // S₂. Main constituents are quartz and muscovite, possibly very minor chlorite giving a light green appearance locally. X-cutting veinlets of silicified clay?; minor FeS₂ (fine grained - patchy); last 1 foot is very brecciated with talos material hosting stringer sulphides.</p> <p>TOI - 27.7 mod. broken along S₂/p TOI core loss with unit 3, approx 2 ft lost (possibly gouge)? / 27.7 - EOI breccia - 1 ft zone at EOI?</p>
L	285	450	165	S	ZEA, (ZH14) (ZC5)	<p>85:10:5 breccia? 1 minor Pyrite massive sulphide. Unit shows primarily incipient buckshot texture to good buckshot locally. Qtz is present in small amounts in both ZEA and ZH14. Pyrite medium to coarse grained in medium grained matrix of galena and sphalerite. Matrix is very concentrated (no pyrite) locally (good grade). ZH14 → pyrrhotite is fine grained but appears to show small bra pieces of ZEA and 1D0 (4) in it. ZC5 appears at 235 ft. as a breccia piece? Both ZH14/ZC5 have riddle veinlets of silicified clay and their existence marks this unit as a breccia. ZH14 is at EOI. Estimated grade: 9% Pb+Zn.</p> <p>TOI - 32 mod. broken, very poor recovery - lost 2.5 feet</p>

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
												32-37 very broken, poor recovery, lost 2.4 feet / 37-39 mod broken / 39-40.3 very broken, rubble, poor recovery, lost 1 foot / 40.3-44.5 mod. broken / 44.5-EOI rubble possible flt at EOI internal 20/340 is slicks in sulphides pitching 65° @ 250° (0° at S ₂) → bottom
L	450	578	118	6	ZAP	Ribbon banded carbonaceous quartzite. Ribbon banded texture defined by bands of quartz, carbonaceous material. Pyrite is minor and localized to qtz bands as is PbS/ZnS. FeS ₂ is fine grained/patchy. PbS/ZnS is medium to coarse grained locally. Minor x-cutting veins of qtz and leached out material (now vugs). Qtz veins in PbS/ZnS (coarsely grained) at TOI. Estimated grade ~ 7% Pb+Zn. TOI - 47 very broken / 47-51 nod. broken, poor recovery lost 0.5' / 51-51.5 very broken / 51.5-53 nod. broken / 53-49.5 very broken, poor recovery - lost 0.5' / 49.5-EOI slightly broken. Bottom contact, sharp, intact.						
L	578	900	307	7	1D0	Moderately soft, non calcareous, light grey phyllite to PS ₂ light grey. Biotite locally common increasing to EOI. Grey groundmass consisting of carbonaceous material & qtz // S ₂ . Medium to large 0.5 cm retrograded andalusite with chloritic fringes. Elongated stretched along S ₂ chloritic clots. Up 20 cm qtz veins with minor fine grained FeS ₂ . Minor x-cutting qtz veins with local FeS ₂ . PS ₂ has been folded by post D ₂ event. S ₃ or S ₄ ?						

DDH 88F-02
2 8

CURRAGH RESOURCES INC.
 Lithologic Log

Page 6

Date: Sept 26/88 Logged By: SBC

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
												appears to be oriented in the same direction. Top contact sharp.
												TOI-65 mod. broken, poor recovery lost 1 foot. /65-72
												mod. broken - 72 gauge top 65/045 / 72-89.5 slightly
												broken - 89.5 gauge top S ₂ ? bot 20/090 / 89.5 - EOI
												slightly broken.
												(EOH)

DDH 82F-02
2 8

CURRAGH RESOURCES INC.

Page 7 of

Logged by SBC

ASSAY LOG (SAMPLER'S COPY)

Date Sept 26/88 Sampled by

CODE	FROM		TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION				
	10	14	16	20	22	26	28	30	32	34	36	40
	1	128.5	132.0	42881	3.5		12E4	(2H14)(2C5) 85:10:5 bxa				
		132.0	137.0	1882	5.0		12E4	"				
		137.0	141.0	883	4.0		12E4	"				
		141.0	145.0	1884	4.0		12E4	"				
		145.0	151.5	1885	6.5		12A0					
		151.5	157.8	42886	6.3		12A0					
								Assay Results				
								Pb	Zn	Ag	Pb+Zn	S.G.
				42881	3.5		12E4	4.59	7.09	77		3.94
				42882	5.0		12E4	2.95	4.61	28		3.93
				42883	4.0		12E4	4.45	6.95	33		4.44
				42884	4.0		12E4	3.99	7.60	28		4.35
				42885	6.5		12A0	1.70	3.26	14		2.78
				42886	6.3		12A0					

DDH 88F-02
 2 8

CURRAGH RESOURCES INC.
 Structural Log

Page 8 of _____

Date: Sept 26/88 Logged By: SBE

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description	
	10	14	16	20			22	24	26	28	32	34		38
S				140	PS ₂							810		
S				470	PS ₂							715		Carbonaceous / qtz banding
S				560	PS ₂							60		"
S				710	PS ₂							410		
S				850	PS ₂							415		

DIAMOND DRILL CORE LOG

Date: Dec 16/88

Hole Number: 88F-03

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION:
Claim: 119+000

MINE
Tert. Plane
Co-ords.: 8472.50 N

13869.44 E

Grid
Co-ords: _____

Elevation: 3721.47'

All symmetry determinations looking

Total Depth: 380'

_____ with _____ dipping

Inclination: -78° (Az 045°)

_____ with dip azimuth _____.

Purpose: To better define size U/G reserves - geo. geotechnical data.

Reason hole Terminated: Drilled through ore horizon into footwall.

Logged by: SBC

Date(s) Logged: Sep 22/Dec 1-12-16/88

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped:
NW	0	9.5'	<u>No</u>
NQ	9.5	382'	

Assay Lab: _____

Certificate No's: _____

Started: Sept 11/88 Completed: Sept 15/88

- 88F-03

CURRAGH RESOURCES INC.

DDH 88F-03
2 8

Diamond Drill Core Log

Date: Spt 16/88 Logged By: SRO

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	88F-03	3721.47	8472.59	13869.44	FEET	SZ

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8 10 14 22 26 28 32 34 56				
R	88F-03	00	168.0	067.0	A.T. COLLAR
	88F-03	2720	166.0	059.0	SPERRY SUN
	88F-03	3720	170.0	058.0	SPERRY SUN
		9	-78.0	111.21.0	
		27.21	-76.0	110.41.0	
		137.2	-80.0	110.31.0	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
I	2 8 10 56	
	88F-03	hole was supposed to be drilled at azimuth 045°, but was erroneously drilled at azimuth 067°.

Code	From				To				Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
L		100		95	90						1	*		Triconed - no recovery.
L		95		200	175						2	31051		3 minor Moderately hard, moderately calcareous, dark green brown calc-silicate. Unit shows bands of biotite > chlorite silicified with very minor occurrences of pyrite (course grained). Qtz veining both x-cutting and to S ₂ from 1mm to 4mm. Carbonate veining is minor both and x-cutting S ₂ folia. Biotite is fine to medium grained as in phyllites of Mte Mye Fm. TOI - EOI very broken, very poor recovery (lost 3 feet). Core is ground in places.
L		200		278	158						3	31310		3 very minor Moderately soft, slightly calcareous, green brown phyllite. PS ₂ is dark brown. Chloritic content is less than biotite but chlorite occurs as large clots possibly relic andalusite. Unit is distinguished from unit 2 by clotting and hardness. Qtz banding/veining primarily S ₂ up to 1cm along core axis. Carbonate microveinlets x-cutting S ₂ , locally abundant. TOI - 25.5 very broken, very poor recovery (lost 2 feet) possible ft gouge at TOI / 25.5 - EOI slightly broken, recovery okay.

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28	30	
L	27	28	62	0	3	11	2	A	3A3	(3CA) 70:30 ±9
										Moderately soft, moderately calcareous, light to dark green schist/metabasite. Unit characterized by intercalations of calcareous metabasite - light green grey with distinct top and bottom bounding limits in 3A3. 3CA occurs from 30-31.5; 35.1-35.3; 40.3-40.8 and reacts well to 10% HCl. Intervals are soft and friable in places & have x-cutting carbonate veinlets. Chloritic schist is dark green locally (near metabasite) but also light green - these areas show moderate amounts of biotite. Some areas show good relics of andalusite now seen as subhedral chloritic clots // Sz folia. Carbonate veining common up to 2cm across // Sz & x-cutting as well. Four feet core loss in mixed interval may be due to mud gouge. Minor carbonaceous schist at 34.5 and 42.5-43 also reacts to 10% HCl.
										TOI - 31.5 slightly broken / 31.5-35 very broken - ground core, poor recovery (core loss of 2 ft) / 35-39 mod. broken, poor recovery (lost 2 ft) / very broken 39-39.5 possible gouge? / 39.5-42 slightly broken gouge at 42 / 42-46.5 mod. broken / 46.5-46.8 gouge (mod) / 46.8-47.1 slightly broken / 47.1-47.3 white mud gouge / 47.3-53.7 s. broken / 53.7-54.2 mud gouge / 54.2-57 v. broken / 57-EOI mod broken; rubble @ 59.4.
L	62	0	74	2	1	1	2	5	3B0	(3CA) 80:20
										Moderately soft, slightly calcareous, light to dark green schist/metabasite. Difference between this unit and unit 4 is the lack of biotite as in unit 4. This unit is again an

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
											intercalation of metabasite in a chloritic schist. 3B0 is slightly calcareous with most carbonates in veins and micro-veinlets // and x-cutting S ₂ folia. Some biotite exists as fine grained patches, but is minor; chlorite also occurs as dark clots here. Top contact may be construed as arbitrary and this unit could be incorporated into unit 4 as a 3A. Bottom contact is faulted (gouge). 3CA is light green slightly banded and reacts well to 10% HCl from ~ 63-64.5. TOI-63 very broken (rubbly) possible core loss here / 63-63.9 s. broken / 63.9-64.1 med gouge // S ₂ ? / 64.1-72.8 s. broken, poor recovery (lost 1 foot at 72')? 72.8-73.4 3B0 gouge top & bot // S ₂ / 73.4-EOI m. broken.
L	7A2		11Z0		29A			6		3A9	Moderately soft, slightly calcareous, dark green grey phyllite. PS ₂ is buff green grey. Top contact is well defined, dominantly marked by 2.8 feet of grey mud gouge - possibly significant fault zone. Unit is variably graphitic and biotitic. Biotite is fine to medium grained // S ₂ and occurs primarily in the bottom 8 feet of the unit as possible retrograded andalusite seen as selvages around andalusite relics. Carbonaceous material appears to be absent near TOI - a result of possible leaching relating to the fault? Chlorite is commonly well integrated throughout unit // S ₂ with carbonaceous material and qtz. It is more concentrated

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	<p>near qtz lenses and veins as altered selvages. Qtz veining is common ranging in size from 1mm to 4cm along core axis. Chlorite also occurs as small clots (lenticular) // Sz. Microveinlets of qtz and silicified (altered) clays commonly x-cutting and // to PSz. Carbonate material is hosted by these veinlets - content is slight - some carbonate in matrix of unit.</p> <p>TOI - 77 light grey, mild gouge; poor recovery (lost 2.8') / 77-91 nod broken, local incipient gouge // Sz; poor recovery (lost 4.1') / 91-92.8 very broken; recovery okay; incipient gouge @ 92.8 / 92.8-99 nod. broken / 99-99.4 grey mild gouge; broken core - driller related? / 99.4-102 nod. broken / 102 gouge with 1.5' core loss - fault?? / 102 - EOI nod. broken recovery okay</p>
L	1120	1170	150	7	1C16	<p>Moderately soft, non calcareous, light green brown phyllite. PSz light green brown. Unit distinctive by colour alone. Top contact is sharp; bottom is obscured by gouge. Andalusite clots/relics common with biotite rich selvages. Darker material may be chloritic? Qtz and possibly K-spar form the lighter groundmass - unit is primarily biotite rich. Altered silicified clays occur as veinlets primarily // Sz folia - and plentiful. FeSz is minor but occurs in small to medium qtz veins (lenses). Carbonates are very minor and confined to veinlets.</p> <p>TOI - EOI slightly broken; recovery okay.</p>

Code	From	To	Recov.	No.	Unit	Description
L	1170	1218	140	8	GOUGE	[3A8] or [1D8] Light grey mud gouge with pieces, chunks of what may be 3A8 or possibly parts of unit 7 (1C6). Qtz veining is present - those pieces remaining intact. Possibly major fault as unit 7 is not apparent in unit 9. TOI-EOI gouge w minor pieces; recovery poor (lost 1 foot).
L	1218	1250	32	9	3A87	[1D8] Moderately soft, non calcareous, grey green phyllite. Pse green grey. Unit is short. Dark colour is due to chlorite seen as both dark clots and laminations. Minor carbonaceous material? also lenticular // S ₂ folia. Qtz veining up to 3cm along core axis w light green chloritic selvages. Top of interval appears light coloured - bleached possibly due to proximity to unit 8. Unit 8 and 9 may be taken together. Minor veinlets // S ₂ . TOI-EOI recovery good; mod. broken w a very broken portion at 123.
L	1250	1AAS	155	10	1D8	Moderately soft, non calcareous, light grey green phyllite. Pse buff light green grey. Shows distinct laminations of chlorite (as lenses also) and qtz ± carbonaceous material. Minor veinlets of qtz/alterd clays both // and x-cutting S ₂ folia. Qtz veining up to 10 cm with riddled chlorite

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
												± FeS ₂ . Zone from 135-140 is variably trashed/bleached possibly due to fault zone or fluids. Biotite is little or non visible here. Bottom contact is gradational over 4 feet. TOI-126.5 very broken; poor recovery (lost 2.5 feet) / 129-135 nod broken (some qtz veining) / 135-136.7 altered / 136.7-137 sponge; interval: 35/000 / 137-139 nod. broken / 139-140 gouge w poor recovery (lost 1.5'). 140-EOI nod. broken recovery okay.
L	149	15	160	7	162	11	110	6				± 8 Moderately soft, non calcareous, brown grey phyllite. Unit is characterized by grey mass of qtz (primarily) and carbonaceous material with clots of chlorite, irregularly dispersed and not necessarily to PS ₂ - some even look like lithes w irregular boundaries. Biotite occurs as dark small 1mm x-stals also irregularly dispersed - also as groups of these x-stals up to 2mm in andalusite patches. Yellow white silicified clays and qtz veinlets commonly to S ₂ . Bot. contact is sharp with unit 12. TOI-158 slightly broken; recovery okay / 158-158.5 nod. broken / 158.5-EOI slightly broken - recovery okay.
L	160	7	171	4	107	12	110	8				± 1 Moderately soft to moderately hard, non calcareous green phyllite. Unit is strongly laminated consisting primarily of qtz

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28	30 34 35	
						<p>muscovite and chlorite. It appears to be silicified in places. Laminations are 1-3mm. Minor x-cutting \parallel to S₂ qtz-carbonate veinlets. Biotite is minor but is seen as fine grained lenses/laminae \parallel S₂. FeS₂ as fine grained patches seen to be related to qtz-carbonate veining as traces.</p> <p>TOI-EOI slightly broken - recovery good.</p>
L	171.4	241.0		113	1106	<p>I8 Moderate soft; non-calcareous, green grey. Biotite seen as small 1-2mm specs irregular dispersion throughout although commonly associated with Andalusite patches. chloritic chpts - green up to 1.5cm across. Quartz veining common (qtz vein 217.8 to 218.6 w pink andalusite at bottom) chloritic selvage zone an. with qtz veins \pm biotite & FeS₂. andalusite Calcisilite visible at base of unit as white x-stab @ .5cm max across, Calcisilite an. w carbonate banding). Qtz carbonate veins/veinlets, both \parallel & X-cutting PS₂. Bottom contact against graphitic gouge.</p> <p>TOI - 176 slightly broken; recovery good 176-176.3 very broken respect gauge. recovery good. 176.3 - 205.3 slightly broken/ @ 205.3 2cm gauge interval 60°/100°, 205.3-EOI slightly broken 217.8-218.6 qtz vein with pink andalusite @ base.</p>
	241.0	242.5		14	Gouge [1D2]	<p>Dark grey mud gouge, probably composed of 1D2 (carb phyllite)</p> <p>TOI-EOI dark grey mud gouge 1' lost, TOI \parallel to S₂</p> <p>EOI distinctive 35°/090°</p>

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
	242.5	244.5		15	11D4	Moderately soft; non-calcareous bleached phyllite; unit characterized by qtz muscovite & faint chloritic clots; minor qtz carb veins, X-cutting PS ₂ folia. PS ₂ bubb white grey. Possible IOE9 @ TOI: & crackle breccia Alteration in unit 15 maybe due to fault in unit 14 TOI - EOI slightly broken, incipient comp. quartz @ 243.8 // to S ₂						
	244.5	249.5		16	11D10	MODERATELY SOFT; non-calcareous, light grey phyllite: PS ₂ light grey. minor chloritic clots, // to S ₂ & lenses. qtz eyes/? veins // to S ₂ folia also X-cutting with variable carbon content. Carbonaceous banding // to S ₂ (minor) TOI to EOI slightly broken primarily along S ₂ .						
	249.5	257.0		17	11D4	Moderately soft non calcareous lightly bleached phyllite; PS ₂ surface lightly bleached; minor chlorite in clots // S ₂ some cross cut S ₂ (minor) Quartz banding common TOI - 251 moderately broken; 250.5 - 251 Quartz vein; 251 - 252 very broken with incipient gouge; 252 - 256 moderately broken; 256 EOI very broken with gouge.						

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
	257	283.5		118	11D10	(4) Moderately soft, non calcareous variably altered light gray to white phyllite; clastic clots pervasive throughout // to S ₂ with some minor cross cutting yellowish white silicified veinlets commonly // to S ₂ but some minor cross cutting. Biotite in andalusite patches minor biotite associated with quartz veinlets T07 to 268 moderately broken; 268-270 v. broken with incipient gouge; 270 to EOI mod. broken with gouge at 272, good rec'y
	283.5	285.0		119	11D14	(WME) Moderately soft non calcareous yellowish - buff white phyllite - yellowish white silicified clay veinlets // to S ₂ . Some cross cutting pyrite veinlets at EOI. Sharp contact with old body at E.O.I. 283.5 - EOI mod. broken good rec'y
	285.0	310.1	150	120	12A10	Ribbon Banded Anaphic Qtzite unit characterized by lamination of Qtz & carbonaceous. ZnS fine grained and coexist with Qtz laminae. (purple). FeS ₂ fine-med grained; patchy irregular (minor 3%). Fine grain FeS ₂ ass. w/ Qtz veins. Qtz veins minor. V. minor X-cutting veinlets with some constituents leached. Porosity 0%

Lithologic Log

Date: Dec 12/88 Logged By: SBC

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
						TOI 286.1 v. Broken gassy. Possible fault @ 286.1 contact with unit 19 very sharp. 286.1 - 288 v. Broken 288-291 v. Broken lost 1 foot. 291-297 mod. Broken 297-EOI Very Broken. Pb+Zn ~ 4-5%
	301	308.5		21	2B0	(2A0) 85:15 non-pyritic quartzite. Top contact with 2A0 (unit 20) is sharp - but core of this unit is rubble, very broken. Unit characterized by qtz with very little or non-existent FeS ₂ . Pyrite may be too fine grained - disseminated. Minor x-cutting fractures with silicified clay (white/yellow) infillings. Very little or no lead-zinc grade visible: Pb+Zn ~ 0-1% combined. Most, if not all grade occurs in 1.5' length of 2A0 from 302.4 - 303.9. Here grade coexists w qtz laminations in a ribbon banded graphitic quartzite (Pb+Zn ~ 5%). This small 2A0 unit may represent the hinge of a folded 2B0/2A0 sequence, although S ₂ folia don't readily support this hypothesis. TOI - EOI very broken, ground in places; poor recovery lost 2' probably in the 2B0 or at the contact b/w 2B0 and intercalated 2A0. No gouge seen. Light greenish colour may be chloritic alteration
4	308.5	311.0	0.8	22	2EQ	(9) Massive Pyritic sulphide with very little grade. Pyrite occurs as medium to coarse grained x-stals within

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
								a fine grained Pb+Zn matrix. Buckshot texture is incipient. Grade approx. 0-5% Pb+Zn. Chalcopyrite, minor, coarse grained and observed in patches at EOI.		
								Recovery, very poor list 1.7'. TOI - EOI core very broken with visible white mud gouge. Massive sulphide unit appears to be faulted out of this section. Major Fault possible here with at least 20' displacement.		
L	3110		3185		55	23	2C3	±4 bxa		
								Pyritic quartzite. Top contact with unit 22 marked by 2' of higher grade pyritic brecciated quartzite that is probably related to fault zone of unit 22. Breccia pieces of 2E4 and 2C0(3) approx 1 to 4 inches along core, showing differential S ₂ orientations. 2C3 contains 10-15% fine grained patchy pyrite - some confined to fractures. x-cutting silicified clasp (yellow/white) - minor. Pb+Zn ~ 4% combined.		
								TOI - 315 very broken, rubble in places / 315 - EOI mod. broken, poor recovery (core loss of 2').		
L	3185		3620		410	24	2A0			
								Ribbon banded graphitic quartzite. Pyrite is fine- to medium grained, patchy ~ 20%. Most FeS ₂ occurs in quartzose bands that S ₂ folia. Pb+Zn is also primarily associated in these quartz bands. The carbonaceous bands have very minor metal content. Medium sized galena crystals		

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
												observed to be minor in content and occur in disseminations. Unit is quite lengthy for this area of the orebody. At 335' the S ₂ folia (defined by mineralized qtz bands) begins to dip steeply down the core axis. Further to 340' these qtz bands become less common because of a post S ₂ penetrative fabric - either S ₃ or S ₄ . This S ₃ or S ₄ is pervasive to 356 feet. The notable change in penetrative fabrics is probably related to folding associated with the general thinning of the Faro orebody to the west toward the underground. Pb+Zn is variable 5-8% combined.
												TOI - 319 very broken / 319-319.8 mod broken / 319.8-320 rubble / 320-344.5 mod broken - rubble @ 344.5 / 344.5 - EOI mod broken in ground core at 346; poor recovery - lost 2.5 feet. Bottom contact is sharp but broken.
L	31620	3400	170	25	IDA	[ICD4] Moderately soft, non calcareous, light grey to white phyllite. PS ₂ varies in colour from light grey to buff white. Muscovite appears to be a major constituent. Unit is a bit of a 'fence-sitter' with altered sections. Clots of biotite specks ± andalusite irregularly dispersed. Darker chloritic lenses // S ₂ . Qtz veining up to 4 inches along core riddled with medium grained pyrite, chlorite & silicified clays.						
		(EOH)										TOI - 366 very broken / 366-371 slightly broken / 371-375 mod broken / 375 - EOI slightly broken. Poor recovery from TOI-366 (lost 1 foot).

EOH

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE		INTR.		REC (m)	UNIT	ASSAY RESULTS							
	10	14	16	20	22	26	28	30	32		34	36	40	42	Pb	Zn	Ag	Pb+Zn
	129	5.0	129	1.0	428	66	16	0			21A	0	0.89	1.88	9			2.61
	129	1.0	129	6.0	18	67	15	0			21A	0	1.35	3.10	25			2.54
	129	6.0	130	1.0	18	68	15	0			21A	0	0.62	1.36	18			2.49
	130	1.0	130	8.5	18	69	17	5			21B	0	0.90	2.72	22			2.67
	130	8.5	131	1.0	18	70	12	5			21E	0	4.25	6.48	38	10.73		4.13
	131	1.0	131	8.5	18	71	17	5			21C	3	1.92	3.53	31	5.45		2.90
	131	8.5	132	2.0	18	72	13	5			21A	0	1.07	2.51	15			2.45
	132	2.0	132	5.0	18	73	13	0			21A	0	1.22	1.44	17			2.39
	132	5.0	133	1.0	18	74	16	0			21A	0	1.40	2.21	23			2.69
	133	1.0	133	5.0	18	75	14	0			21A	0	1.24	3.17	16			2.49
	133	5.0	134	0.5	18	76	15	5			21A	0	1.42	3.27	27			2.56
	134	0.5	134	4.5	18	77	14	0			21A	0	1.12	2.17	17			2.55
	134	4.5	134	9.5	18	78	15	0			21A	0	0.70	1.82	6			2.64
	134	9.5	135	7.0	18	79	17	5			21A	0	0.85	2.06	5			2.54
	135	7.0	136	2.0	428	80	15	0			21A	0	1.35	2.65	26			2.63

Code	From		AT TO	Feature	Sym	S ₀		S ₁		S ₂		Description	
	10	14	16			20	22	24	26	28	32		34
S			125	P _{S2}							75		
S			142	P _{S2}							75		
S			162	P _{S2}							80		
S			190	P _{S2}							60		
S			111	P _{S2}							75		
S			148	P _{S2}							85		
S			165	P _{S2}							75		
S			185	P _{S2}							85		
S			202	P _{S2}							85		
S			217	P _{S2}							75		
S			236	P _{S2}							75		
S			257	P _{S2}							70		
S			275	P _{S2}							60		
S											65		Z _{A0}
S			275	S ₁₃					65				Z _{A0}
S			321	P _{S2}							80		
S			33A	P _{S2}	??						75		
			337	P _{S2}							55		
			340	S ₂							70		
			340	P _{S3}	?				15				graphitic laminations qtz + Zn bands
			346	S ₂							35		
			346	P _{S3}					20				
			349	S ₂							40		
			349	P _{S3}					10				almost along core axis
			356	P _{S2}							85		not post S ₂ seen.
			372	P _{S2}							60		post S ₂ folding in 104 is visible but not penetrative

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-04

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION:
Claim: 119+000

MINE
Ferr. Plane
Co-ords.: 8446.72 N

13810.71 E

Grid
Co-ords: _____

Elevation: 3723.18'

All symmetry determinations looking

Total Depth: 432'

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data.

Reason hole
Terminated: Drilled through ore horizon.

Logged by: SBC

Date(s) Logged: _____

Drilling
Contractor: ARCTIC

Hole
Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped:
<u>NW</u>	<u>0</u>	<u>4'</u>	<u>No</u>
_____	<u>4'</u>	<u>432'</u>	
_____	_____	_____	

Assay Lab: CURRAGH

Certificate No's: _____

Started: Sept 15/88 Completed: Sept 17/88

CURRAGH RESOURCES INC.

DDH 88F-04
2 8

Diamond Drill Core Log

Date: Sept 17/88 Logged By: IGP

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	88F-04	3723.18	8446.72	13810.71	FEET	SZ

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8 10 14 22 26 28 32 34 56				
R	88F-04	.00	180.0	9.0	A.T. COLLAR
F	88F-04	A320	174.0	028.0	SPERRY SUN
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			190.	.	
			-1814.	1713.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	
			.	.	

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

Lithologic Log

Date: Jan 25/89 Logged By: SBC

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	3057		3095						ZAP	
										Ribbon-banded graphitic quartzite. Unit is characterized by laminations of carbonaceous material and Qtz. Pyrite is fine grained patchy, approx 5-10%. Microinclusions of and x-cutting S ₂ folia. S ₂ folia is folded in places. Top contact is sharp with IDA. Qtz veins up to 4 inches along core axis common. Contact w bottom unit sharp. Pb+Zn ≈ 0-1% ToI - EOI mod. broken, recovery good.
	3095		3160						ZH318	breccia (ZCS) 50:50 Unit may be considered either Pyrrhotitic massive sulphide or pyritic quartzite breccia. Pyrrhotite at ToI is fine grained as is pyrite (patchy). AT ToI porosity is high → probably resulting from leached clays. Pyritic quartzite shows good foliation - largest bxa piece is 1 foot along core axis. End of unit (last foot) shows gouge (white mud) w. IDA? pieces? Small porphyroblasts of magnetite in pyrrhotite approx 3mm across on average. Pyrite in Qtzite is fine grained in irregular patches - folia here is defined by laminations of ZnS. Pb+Zn ≈ 6% ToI - 315 slightly broken, recovery good. / 315-316 gouge possible IDA breccia pieces; top and bottom contacts // S ₂ , recovery good.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24	26 28 30	34 35		
	3160	3300	120		ZE4	(ZE41)(ZH3) 55:40:5 Pyritic massive sulphide. Unit may be broken down - top of unit to 322 appears to contain some gtz ~ 5%. One foot from ~ 320-321 shows massive pyrrhotite with either pyrite or marcasite (fine grained) occurring as porphyroblasts (sub-ehedral) up to 0.5 cm across. Pyrrhotite is fine grained also. Possible core loss in this unit, although not sure - from 322-326 sandy pyrite (good grade). Pyrite in ZE4 occurs as fine to medium grained patches and blasts in a matrix of base metals to show an incipient buckshot texture. Grade is notably higher from 322 to EOI. Pb+Zn ~ 10% TOI-322 mod. broken recovery good. / 322-326 sandy possible core loss of 2'. / 326-EOI mod. broken, recovery good.
	3300	3338			ZH3A	Pyrrhotite massive sulphide. Pyrrhotite is fine grained, pervasive, but shows large patches of pyrite (fine to medium grained) up to 2 inches along core axis. Possible breccia pieces (small) of 10A seen as sub-rounded light yellow blebs up to 0.5 cm across. Both top and bottom contacts are sharp. Pb+Zn ~ 8% TOI-EOI slightly broken, recovery good.

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	333	8	333	60					11DA	[gouge] ±9 Unit may be interpreted as a waste interval in ore, or gouge. Interval does, however, show good laminations defined by ZnS/PbS that run to core axis and may be viewed as S ₂ folia. Also defining good laminations is muscovite and qtz. By inspection it is believed that this is a 1DA waste interval bounded by pyrohotitic ore and not gouge related to a fault. TOI-EI punky, friable, nod. broken - not carbonates present, recovery good. Pb+Zn ~ 1-2%.
	336	0	347	8					2H3A	bra? (ZnO) 90:10 Pyrohotitic massive sulphide. Unit is again probably a breccia with visible 6 inch sections of ZnO @ 339 and 344 conspicuously related to white mud gouge at both locations. Pyrohotite is fine grained, pervasive and contains stretched out blebs of what may be magnetite? (minor). Grade is good ~ Pb+Zn: 13%. Pyrite occurs as fine grained patches up to 2cm across locally. PbS/ZnS are fine to medium grained minerals interstitial to pyrohotite. Minor silicified clays (yellowish-white) in veins 2mm wide seen as stockwork. Bottom contact is abrupt w ZnO. TOI- 339 slightly broken, recovery good / 339-339.5 gouge (white/grey mud) / 339.5-343.8 nod. broken, recovery good / 343.8-344 white mud gouge / 344-EI nod broken, recovery good. Pyrite content in unit ~ 20%.

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	347.8		376.6						ZAO	Ribbon banded graphitic quartzite. Laminations of carbonaceous and qtz up to 1cm along core axis - although laminations may be very thin. PbS/ZnS occur primarily as fine grains in qtz laminations, but also occur as medium grains in patches in qtz (minor). Pyrite varies from 0-10%, fine grained, disseminated except for interval 368-369.8 where pyrite occurs with pyrrhotite (ratio of 40:60) in what appears to be a welded breccia piece. Structure in ZAO is variable with signs of a fold hinge from 355-363. Bottom contact is sharp with 104. Pb+Zn ~ 4-5% ToI - 350 mod. broken, recovery good / 350-373 slightly broken, recovery good / 373-EOI mod. broken, recovery good.

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO	SAMPLE	INTR.	REC (m)	UNIT	ASSAY RESULTS										
	10	14	16					20	22	26	28	30	32	34	36	40	42	Pb
		1305.7	1309.5	42850	13.8		2A101						0.33	0.47	2			2.63
		1309.5	13116.0	1851	16.5		2H318						2.50	6.12	47	8.62		3.38
		13116.0	1320.7	1852	14.7		2E41						4.31	7.86	55	12.17		4.13
		1320.7	13217.8	1853	17.1		2E41						4.04	7.61	54	11.65		4.01
		13217.8	1330.0	1854	12.2		2E41						4.18	8.11	55	12.29		4.34
		1330.0	1333.8	1855	12.8		2H314											
		1333.8	13316.8	1856	13.0		1D141						2.27	1.99	41	4.26		3.37
		13316.8	1340.0	1857	13.2		2H314						5.72	9.20	141	14.92		4.09
		1340.0	13414.0	1858	14.0		2H314						6.09	9.84	166	15.93		3.78
		13414.0	13417.8	1859	13.8		2H314						5.05	7.51	123	12.56		4.30
		13417.8	1350.0	1860	12.2		2A101						1.62	3.68	49			2.90
		1350.0	1355.0	1861	15.0		2A101						1.01	2.68	36			2.55
		1355.0	13610.5	1862	15.5		2A101						1.29	3.20	36			2.80
		13610.5	13615.5	1863	15.0		2A101						1.25	3.90	35			2.79
		13615.5	1371.0	1864	15.5		2A101						2.11	5.87	67			3.34
		1371.0	13716.6	428165	15.6		1D101						0.77	1.46	25			2.80

DDH 88F-04

CURRAGH RESOURCES INC.

Page _____ of _____
 Logged by SEC

ASSAY LOG (SAMPLER'S COPY)

Date Jan 26/89

Sampled by _____

CODE	FROM		TO		SAMPLE		INTR.		REC (m)	UNIT		DESCRIPTION	
	10	14	16	20	22	26	28	30	32	34	36		40
	1305	7	1309	5	42850		3.8				ZAI		
	1309	5	1316	0	42851		6.5				ZH3A	bxa (203) 50:50	
	1316	0	1320	7	42852		4.7				ZEA	(ZEA1)(ZH3) 55:40:5	
	1320	7	1327	8	42853		17.1				ZEA	"	
	1327	8	1330	0	42854		12.2				ZEA	"	
	1330	0	1333	8	42855		3.8				ZH3A	"	
	1333	8	1336	8	42856		13.0				IDA	±9	
	1336	8	1340	0	42857		3.2				ZH3A	bxc? (200) 90:10	
	1340	0	1344	0	42858		14.0				ZH3A	"	
	1344	0	1347	8	42859		13.8				ZH3A	"	
	1347	8	1350	0	42860		12.2				ZAI		
	1350	0	1355	0	42861		15.6				ZAI		
	1355	0	1360	5	42862		15.5				ZAI		
	1360	5	1365	5	42863		15.0				ZAI		
	1365	5	1371	0	42864		15.5				ZAI		
	1371	0	1376	6	42865		15.6				ZAI		

DDH 88F-04
2 8

CURRAGH RESOURCES INC.
 Structural Log

Page _____ of _____

Date: Jan 26/89 Logged By: SBC

Code	From		A ₁ (T ₀)		Feature	S ₁ m	S ₀		S _{4 or 3}		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
1	28	32	34	38	40	44							
			1309	0	PSZ						60		bands in 2A0
			1329	0	PSZ						70		PbS/ZnS banding in 2E4
			1347	0	PSZ						60		Pyrrhotitic/Pyritic banding in 2H4
			1351	0	PSZ						40		bands in 2A0
			1351	0				30	0100				folded qtz bands 'Z' symmetry.
			1354	0	PSZ						30		bands in 2A0
	1355	0	1363	0	PSZ						00		vertical - along core axis
			1364	0	PSZ						30		bands in 2A0
			1371	0	PSZ						60		"
			1379	0	PSZ						40		in 1D4

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-05

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION:
Claim: 117+000

MINE
Terr. Plane
Co-ords.: 8743.67 N

13758.19 E

Grid
Co-ords: _____

Elevation: 3699.60'

All symmetry determinations looking

Total Depth: 247'

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: To better define OK - gain geo-technical data.

Reason hole Terminated: Drilled through ore horizon

Logged by: SBC

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped: <u>No</u>
<u>NW</u>	<u>0'</u>	<u>4'</u>	
<u>NQ</u>	<u>4'</u>	<u>247'</u>	

Assay Lab: _____

Certificate No's: _____

Started: Spt 17/88 Completed: Spt 18/88

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	1660		1930						Z1A9	(2F4) 93:7 Ribbon banded graphitic quartzite. Banded nature defined by qtz/carbonaceous laminations up to 1cm thick (along core axis). Pyrite content is variable 10-15% and occurs as both medium grained disseminations and fine to medium grained, patchy, primarily associated to the quartz laminae. One qtz vein at 1687' extends for approx 1 foot & contains medium to coarsely grain pyrite. Some sections show reduced carbonaceous content - almost approaching a 2C5 - but not quite. Notably, a 2 foot section, possibly braced piece of 2F4 at 182.8 will boost grade considerable for its respective assay interval. Pb+Zn ~ 3-5%. ToI - 171 slightly broken, recovery good / 171-184 nod broken, recovery good. / 184-190 slightly broken, recovery good. / 190 - EOI nod to very broken, recovery good.
	1930		1990						Z00	(2F4) 80:20 Pyritic quartzite. First 2 feet of unit is 2F4 (rubby) and was included in this interval because of grade textures with 200. The pyritic qtzite shows ~15% pyrite - fine grained, patchy and/or disseminated. Pb+Zn ~ 6-7% for 200 and 12% for 2F4. Unit is broken especially 2F4 which is very broken - no gauge present, but if pyritic massive zone is faulted out, it would have to be here. Pyrite occurs in qtz bands in 200, and as coarse grained xstals in base metal matrix in 2F4.

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
											TOI - 195 very broken, rubble in places, recovery good. 195-EOI nod. broken, recovery good.
	1990		2019							2H34	Pyrrhotitic massive sulphide. Top and bottom contacts, well defined. Pyrrhotite and pyrite, fine grained w po pervasive and py patchy. Pyrite makes up approx 10%. Pyrrhotite has associated PbS/ZnS seen as interstitial fine grained patches (purple). Dark blebs (porphyroblasts) may be magnetite (minor). Good grade ~ 12% Pb+Zn. TOI-EOI slightly broken, recovery good. @ EOI welded porous contact (Pit?) internal: 25/090
	2019		2250							2AP	Ribbon banded graphitic gneiss. Carbonaceous content varies from 10% to 90% over the whole interval. Thus, sections appear to be 2C0 or 2C5. Banded nature, defined by qtz/carbonaceous laminae up to 1cm along core axis. Pyrite is more commonly confined to qtz laminae as is base metal minerals. Grade becomes poor near EOI. Pb+Zn ~ 3-5%. TOI-EOI nod. broken, recovery good. Contact with IDT is gradual over 1 foot.

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO	SAMPLE		INTR.		REC (m)		UNIT		ASSAY RESULTS							
	1	10	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	11616		11711			42836	15					12A01		0.09	0.12	4			2.67
	11711		11715			1837	4					12A01		0.27	0.49	1			2.44
	11715		11810			1838	4					12A01		0.37	0.64	7			2.53
	11810		11815			1839	15					12A01		2.54	4.27	45			3.39
	11815		11910			1840	15					12A01		1.22	3.00	32			2.65
	11910		11913			1841	3					12A01		1.56	3.40	45			2.77
	11913		11915			1842	2					12D01		4.34	8.09	60			4.22
	11915		11919			1843	4					12D01		4.90	9.02	101			3.13
	11919		12011			1844	12					12H3H		4.22	8.51	82			2.78
	12011		12015			1845	3					12A01		1.35	2.69	35			4.22
	12015		1213			1846	17					12A01		0.88	1.96	14			2.48
	1213		1216			1847	13					12A01		1.44	2.98	24			2.48
	1216		1220			1848	3					12A01		0.79	2.08	20			2.38
	1220		12215			42849	14					12A01		1.25	2.85	28			2.47

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE	INTR.	REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22 26 28 30	32	34	36	40 42		
	1660		1710		42836	5.0			2A0		
	1710		1755		42837	4.5			2A0		
	1755		1800		42838	4.5			2A0		
	1800		1850		42839	5.0			2A0		(2FA)
	1850		1900		42840	5.0			2A0		
	1900		1930		42841	3.0			2A0		
	1930		1950		42842	2.0			2D0		(2FA)
	1950		1990		42843	4.0			2D0		
	1990		2019		42844	2.9			2H3A		
	2019		2055		42845	3.6			2A0		
	2055		2130		42846	7.5			2A0		
	2130		2165		42847	3.5			2A0		
	2165		2201		42848	3.6			2A0		
	2201		2250		42849	4.9			2A0		

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-06

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION: _____
Claim: 118+000

MINE
Tert. Plane
Co-ords.: 85 64.28 N

13792.60 E

Grid
Co-ords: _____

Elevation: 3712.00'

All symmetry determinations looking

Total Depth: 65'

_____ with _____ dipping

Inclination: -90

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data

Reason hole Terminated: Hole drilled at wrong angle - terminated

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Size	CORE From	To	Collar Cased and Capped:
_____	_____	_____	<u>No</u>
_____	_____	_____	_____
_____	_____	_____	_____

Hole Cemented: No Steel down Hole: No

Assay Lab: CURRAGH

Certificate No's: _____

Started: Sept 18/88 Completed: Sept 18/88

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-07

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION
Claim: 118+000

MINE
Lev. Plane
Co-ords.: 8573.29 N

13789.32 E

Grid
Co-ords: _____

Elevation: 3711.90'

All symmetry determinations looking

Total Depth: 417'

_____ with _____ dipping

Inclination: -66° (@ Az 225°)

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data.

Reason hole Terminated: Drilled through ore horizon into footwall.

Logged by: SBC

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped:
NW	0'	4'	<u>No</u>
NQ	4'	417'	

Assay Lab: CURRAGH

Certificate No's: _____

Started: Sept 19/88 Completed: Sept 20/88

Code	From	To	Recov. No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35
	?	354.7			11D4	Moderately soft, non calcareous, light grey white shaly like. P ₃₂ surface is light green white. Unit is <u>not</u> definitely part of the alteration envelope, but does show alteration. Primary constituents are: muscovite, sericite, qtz, minor carbonaceous material and pyrite (3%). Pyrite occurs as disseminations and in fractures (medium grained). Notably, the S ₂ foliation is steeply dipping with 11D4 in contact with 'pyrrhotitic ore (ie) no upper quartzitic horizon present. This appears to be faulted out at ore contact. Fault @ 354.5 is steep and may have introduced fluids to alter this unit; thus the true alteration envelope (11D4) may be faulted out as well.					
						? -397 nod. broken / 347-354.5 slightly broken, recover end / 354.5 ft. minor source: interval: 20/100. Fault probably displaced upper quartzitic horizon - zone continues to 354.7 (EOI).					
	354.7	363.8			2HA	±3 bxa Pyrrhotitic massive sulphide. Pyrrhotite is fine grained, pervasive and supports interstitial base metals (also fine grained). Pyrite occurs as fine grained patches and as fracture fillings. The brecciated nature is common for 2HA. Breccia pieces are small on average with some up to 2 inches across. Most ore of 11D4/283 consistency. Unit also characterized by qtz veins that both x-cut and // S ₂ folia. Veins					

Code	From	To	Recov.	No.	Unit	Description
1	10	14	16	20	22 24 26 28 30 34 35	
						are up to 0.5cm thick. Pb+Zn ~ 12% TOI-EOI slightly broken, recovery good.
	363	367	9		2FA	bxa?
						Massive pyritic sulphide. Pyrite is medium to coarsely grained (sub-ehedral xstals) in a matrix of calcite and sphalerite. Grains are approx. 2-3mm across. Top and bot. contacts are well defined. This unit may be interpreted as a large clast of 2FA in 2HA but the top and bot. contacts are well defined and appear to be coincident w Sz folia - thus it is considered that this unit may not be a clast in a 2HA breccia. Breccia pieces consist of highly altered phyllitic + material showing good anastomosis up to 1.5 inches across. Pyritic content is approx 80%. Pb+Zn ~ 15%. TOI-EOI slightly broken, recovery good.
	367	380	4		2HA	+3 bxa
						Pyritic massive sulphide. Pyrite is fine grained, pervasive and contains base metals (fine grained). Pyrite occurs primarily in patches up to 2 inches across, but these larger patches may be clasts. Pyritic content approx. 10%. Breccia pieces consist of pyrite? and altered phyllite - one larger clast occurs as 175.0'. Unit may be considered the same as above with minor atz veins cutting Sz folia. Top and bottom contacts are sharp. Pb+Zn ~ 12% TOI-EOI slightly broken, recovery good.

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
	3804	3876			2FA	Massive pyritic sulphide. As in unit above but with higher grade. Pyrite is primarily coarsely grained, showing sub-euhedral x-stals in a PbS/ZnS matrix. 'PbS/ZnS' is also medium grained. Both top and bot. contacts are sharp. % Pyrite is ~ 65-75%. Minor Qtz veins chunks? bxa? Pb+Zn approx 18%. Unit shows excellent buckshot texture. TOI-EOT moderately broken, recovery good. Porosity may be a factor here - possibly up to 2% porous.					
	3876	4012			2DA	(2DA) 80:20 Ribbon banded amphibole dike. Unit characterized by bands of quartz and carbonaceous material. Qtz laminations show good grade (base metals). Pyrite ~ 15-20% occurs in patches mostly in the Qtz but also in veins that x-cut S ₂ folia. Carbonaceous content is variable with the top 2 feet of interval showing little or none but exhibiting good grade (2DA). Unit is riddled with Qtz veins (silicified clays?) that both x-cut and // S ₂ folia. Pb+Zn: 5-7% TOI - 393.2 slightly broken, recovery good / 393.2-EOT mod. to very broken, recovery good.					

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO	SAMPLE		INTR.	REC (m)	UNIT	ASSAY RESULTS									
	10	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1354.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1354.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1359.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1363.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1367.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1372.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1376.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1380.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1384.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1387.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1392.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1397.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.
	1401.	14	16	20	22	26	28	30	32	34	36	40	42	Pb	Zn	Ag	Pb+Zn	S.G.

DDH 88F-07
2 8

CURRAGH RESOURCES INC.

Page of

Logged by SBE

ASSAY LOG (SAMPLER'S COPY) Date Jan 27/89

Sampled by SBE

CODE	FROM				TO				SAMPLE				INTR.				REC (m)				UNIT				DESCRIPTION		
	1	10	14	16	20	22	26	28	30	32	34	36	40	42	1	2	3	4	1	2	3	4					
		135A7			13595				428125	14.8	1															12HA1	
		13595			13638				428126	14.3	1															12HA1	
		13638			13679				428127	14.1	1															12FA1	
		13679			13720				428128	13.1	1															12HA1	
		13720			13764				428129	14.4	1															12HA1	
		13764			13804				428130	14.0	1															12HA1	
		13804			13844				428131	14.0	1															12FA1	
		13844			13876				428132	13.2	1															12FA1	
		13876			13920				428133	14.4	1															12A01	
		13920			13970				428134	15.0	1															12A01	
		13970			14012				428135	14.0	1															12A01	

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-08

Reference Fabric Orientation Diagram: _____

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION: Claim: 119+000

MINE Jerr. Plane 8440.73 N

Co-ords.: 13852.27 E

Grid Co-ords: _____

Elevation: 3722.97'

All symmetry determinations looking

Total Depth: 467'

_____ with _____ dipping

Inclination: -66° (@ Az 225°)

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data.

Reason hole Terminated: Drilled through ore horizon into footwall.

Logged by: SBC

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size NQ CORE From 0 To 467'

Collar Cased and Capped: No

Assay Lab: CURRAGH

Certificate No's: _____

Started: Sept 20/88 Completed: Sept 22/88

Code	From		To	Feature	E S ₁	S ₀		S ₁		S ₂		Description	
	1	10				Dip	Direct.	Dip	Direct.	Dip	Direct.		
	14	16	20	22	24	26	28	32	34	38	40	44	
			118.0	P ₁ S ₁₂							58		Band // to S ₂ Foliation
			150.0	P ₁ S ₁₂							58		" " "
			181.0	P ₁ S ₁₂							57		" " "
			11017.0	P ₁ S ₁₂							58		" " "
			11312.0	P ₁ S ₁₂							62		" " "
			1152.0	P ₁ S ₁₂							52		" " "
			1175.0	A ₁ S ₁₂							51		" " "
			11919	P ₁ S ₁₂							60		" " "
			1244	P ₁ S ₁₂							70		" " "
			12910	P ₁ S ₁₂							62		" " "
			1310	A ₁ S ₁₂							59		" " "
			1344	A ₁ S ₁₂							63		" " "

CURRAGH RESOURCES INC.
Lithologic Log

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
		10.0		14.5		00.0			1011	X1	Overburden No Recovery
		14.5		45.0					1012	11.628	Light grey brown with a "greenish" tinge. Unit is slightly chloritic towards the EOI. Bands of biotite and qtz-dolomite give a banded appearance. Carbonaceous content seems to increase towards the EOI. Interval is moderately hard. S ₂ foliation faces range from shiny grey to light green & light brown. Carbonaceous material occurs as thin bands generally < 2mm thick. Minor Py is found along fractures. Sharp bottom contact. TOI to EOI core is highly broken Possible fault gouge occurs @ 42.6' From 37' to 45' recovery is poor with 2' of core being unrecovered
L		45.0		52.0					1013	11012	Dark grey carbonaceous mica schist. S ₀ foliation surfaces are dark dull grey. Bands // to S ₀ are composed of carbonaceous material and lighter bands of qtz & muscovite. Interval is moderately hard. The upper contact is sharp where the bottom contact appears to be fault bound. Rock has a high content of carbonaceous material TOI to EOI core is quite broken with recovery being poor & ~ 2' of core not recovered. An area of fault gouge occurs @ 51' and the last foot of the interval is badly broken.

Code	From			To			Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
L	52.0			71.5						104			M.C.D.	[100]
														Lt grey brown moderately soft mica schist. Rock is composed mostly of biotite > Muscovite > qtz. S ₂ foliation surfaces range from light brown to light grey. S ₂ foliations are slightly folded to form F ₂ microfolds. Compositional bands run to S ₂ foliations. Several 6 to 8" qtz veins are found @ 69' and 63'. From 52' to 57' core is extremely broken and recovery is poor with 5' of core not being recovered From 57' to 59.5' core is relatively unbroken -> Recovery good 100% From 59.5' core is broken and slightly altered with a small area of gouge being located @ the EOL
L	71.5			87.1						105			M.D.O.	Minor [1H4]
														Light grey-brown moderately soft slightly carbonaceous mica schist. Rock is composed mostly of biotite > Carbonaceous Material > Muscovite > qtz. S ₂ foliation surfaces are light shiny grey. S ₂ foliation is defined by the compositional bands listed above. From 76.5' to 77' is a small layer of 1H4 which has sharp contacts with the 100. 1H4 is also located btwn 81' to 84' this interval is highly altered and the core is extremely broken and gouged. These 1H4 intervals may be small sills. From 71.5' to 81' core is slightly broken From 84' to 87' core is only slightly broken and recovery is good.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24	26 28 30	34 35		
L	101.7.1	110.1.5		1016	11H43	Light green slightly calcareous and siliceous chlorite schist. S ₂ foliations are poorly defined. Unit is moderately hard except in highly altered areas (100' to 101'). Upper and lower contacts are sharp with hanging wall & footwall rocks being slightly altered (bleached). Entire unit is dolomitic with the lower 3' being slightly more dolomitic than the rest of the interval. Abundant qtz veins are found through out the interval. Minor Py is found along fractures with carbonate. From 87' to 94' core is only slightly broken with good recovery. 94' to 95.5' core is quite broken → recovery is still good. 95.5 to EOI core is slightly broken with excellent recovery.
L	110.1.5	110.9.0		1017	11D10	Minor [D2] Top of interval (101.5 → 103') Med grey slightly carbonaceous mica schist. Moderately soft. S ₂ foliation surfaces range from light shiny brown to light dull grey. Rock is composed of Biotite > Muscovite > Carbonaceous Material > qtz. From 107' to EOI interval is slightly chloritic and altered. Upper & lower contacts are sharp. S ₂ foliations are // to compositional bands. TOI EOI core is slightly broken w recovery being good.
L	110.9.0	111.3.7		1018	11H44	Light green moderately soft dolomitic chloritic schist. Unit is same as 06. From TOI to 109.6 altered 100 then a sharp contact. From 113 to EOI 1004 which is chloritic. TOI to EOI core is slightly broken & recovery is good.

Code	From	To	Recov.	No.	Unit	Description						
I	10	14	16	20	22	24	26	28	30	34	35	
L	1123.7	1122.0			1019	11G1	→ [1D0]					
							Light grey moderately hard Mica schist. Rock is composed of Muscovite > Qtz > biotite > chlorite. Chlorite clots/blebs are found through out and once again may be altered andalusite xstals. Upper and lower contacts are sharp. S ₂ foliation surfaces are shiny light grey with some relic andalusite xstals					
							TOI to EOI core is slightly broken & recovery is Excellent.					
L	1122.0	1121.8			110	11D2	Minor [1H4] TOI to 123'					
							Dark grey Moderately hard Carbonaceous schist. Rock is composed of Carbonaceous Material > Qtz. S ₂ foliation surfaces are light grey and shiny. Upper and lower contacts are sharp. From 124' to EOI core is highly broken but recovery is still good.					
L	1121.8	11318.2			111	11H4	Light green grey calcareous chlorite schist. Moderately soft Interval is highly altered and quite dolomitic. Rock is composed almost entirely of chlorite. S ₂ foliation surfaces are dull green. Upper & lower contacts are marked by Qtz veins.					
							TOI to EOI core is slightly broken & recovery is good.					

Code	From	To	Recov.	No.	Unit	Description
L	1013.82	1616.72	2022 24	26 28 30	34 35	[1048]?? Light grey green extremely altered mica schist. Moderately soft. Rock is composed mostly of Muscovite > biotite > chlorite > qtz > clay minerals. So foliation surfaces are a variety of colors, from brown, white to dull green. Abundant qtz veins and banding are found throughout interval, these may represent reinitiated qtz bands. Many small stringers of clay minerals x-cut the core. Chlorite clots are found throughout interval. The clots are probably retrograde andalusite. The bottom 1.8' of the interval is a graphitic unit [102]. The top contact is sharp with the above 1H4 unit (possible sill). The bottom contact is sharp and is marked by an area of broken core & gouge. From TOI to 165.5' core is slightly broken with good recovery. 165.5' to EOI the core is very broken -> recovery seems good. * The alteration of this unit can be explained by the intrusion of the underlying & overlying sills [1H4]. (If the 1H4 units are interpreted as metabasites)
L	1167.2	1191.0		113	11H4	Light green dolomitic chlorite schist. Moderately soft. Rock is composed mostly of chlorite and carbonate (Mg rich). Minor clay mineral stringers x-cut core. Py is found along fractures. Upper and lower contacts are sharp. From 167.2 to 169.7 core is badly broken -> Recovery good. From 169.7 to 177.2 core is slightly broken " " From 177.2 to 181.0 core is broken & gouged -> Recovery seems good. 181 to 186 core is slight broken & gouged in some areas -> good Recovery. 188 to EOI core slightly broken to good Recovery.

Code	From	To	Recov.	No.	Unit	Description						
I	10	14	16	20	22	24	26	28	30	34	35	
L	1198.0	1206.0		114	11D14S	Light green grey extremely altered chloritic Mica schist. Moderately hard. Rock is composed mostly of Muscovite > biotite > chlorite. W varying amounts of qtz and clay minerals. Chlorite clots are common and may be relic andalusite. S ₂ foliation surfaces range from dull white to dull green. Minor clay mineral stringers x-cut core. From 204.5 to 206.0 a small area of 1H4 exists. The core is very broken above this interval. TOI to 204.5 core is only slightly broken w good Recovery						
L	1206.0	1227.1		115	11D10	Light grey slightly carbonaceous Mica schist. Moderately hard. Composed mostly of Muscovite > biotite > Carbonaceous material > qtz w minor amounts of chlorite & clay minerals. The bottom 10' of the interval seem to be slightly more qtz rich than the rest of interval. S ₂ foliation surfaces vary from light to med grey in the upper 10' and silvery buff in the bottom half of the interval. The upper contact is gradational with the upper unit whereas the bottom contact is sharp. Chlorite clots occur throughout interval. (relic Andalusite). The bottom part of the interval from 218' to EOI seems to be slightly altered [1D04] possibly due to 1H4 unit which underlies it. TOI to EOI Core is only slightly broken & Recovery is excellent.						

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
L	227	11	256	3			116	114	114	Light green dolomitic chlorite schist. moderately hard. Interval is highly dolomitized and composed mostly of chlorite. S ₂ foliations are defined by thin dolomitic bands and thicker chloritic bands. Minor 1048 intervals occur within this interval (233' to 234'). Upper & lower contacts are sharp TOI → 238' Core only slightly broken 238' to 240.5' Core is broken moderately 240.5' to EOI Core is only slightly broken except for a small area of gouge located @ 351.5'. Recovery is Good
L	256	3	276	9			117	118	118	Buff to white altered mica schist. Very soft. Rock is almost entirely composed of muscovite & clay minerals (talc?) The bottom 3' of interval contains minor carbonaceous material. S ₂ foliation surfaces are shiny white TOI to 259' badly broken core 259' to 267' Gouge 267' to EOI badly broken core Recovery is good. bottom contact is gradational with carbonaceous content increasing w depth. The light colour of unit and altered nature is due to leaching along the Fault. (Gouged zone)

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28	30 34 35	
L	270.9	342.0		118	1D10	Med grey carbonaceous mica schist. Moderately soft. Muscovite > carbonaceous material > biotite with lesser amounts of andalusite and chlorite. S ₂ foliation surfaces are medium shiny grey. Retrograde andalusite occurs as chlorite clots. Some euhedral chiastolite crystals occur in the more carbonaceous areas. Chlorite is a minor constituent. Minor qtz boudins exist in various parts of the interval. From about 238' to FOI the core is slightly altered [1104]. The 1104 unit is more Muscovite rich and has small bands of clay minerals. The lower contact is sharp.
						From the TOI to 323.5' the core is only slightly broken -> Recovery is Excellent
						From 323.5' to 327' Core badly broken and gouged } Recovery Poor
						From 327' to 330' Core is Moderately broken } 2' lost
						From 330' to EOI Core is only slightly broken -> Recovery OK
L	342.0	345.9			1D14	

Lithologic Log

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
	3411	9	3454							11DA1	<p>Moderately soft, non calcareous, light grey white phyllite. Psz is buff white. Unit is altered with little or no chlorite, carbonaceous material. Primary constituents are sericite, muscovite and qtz. Qtz veining also commonly up to 2.5 inches along core axis riddled w veinlets carrying fine grained pyrite - little or no base metal content here. Top contact appears to be defined by fault gouge. Previous unit is slightly altered as a possible result of migrating fluids related (?) to this ft. gouge.</p> <p>TOI - 342.2 ft gouge (white mud) also some breccia; bottom contact 25/000; also gouge @ 343.0 2.5 cm along core, // S2 folia. / 342.2 - EOT slightly broken, recovery good.</p>
	3454		3468							12A10	<p>Ribbon banded graphitic quartzite. Both top and bottom contacts are sharp yet unit is sandwiched between two intervals of 104 - possible fold hinge here?? Pyrite occupies approximately 5-10%, patchy, fine grained along S2 in qtz laminae and in veinlets x-cutting S2 folia. No base metal content to speak of, Pb+Zn ≈ 1-2% combined.</p> <p>TOI - EOT slightly broken, recovery good.</p>

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
	346	8	348	8						11DA9	<p>Moderately soft to moderately hard, non calcareous, light grey buff white phyllite. PS₂ is buff white. Interval characterized by Qtz, sericite, muscovite with fine grained pyrite (5%), patchy and in veinlets + Qtz. Minor andalusite + stib, sub rounded, pink, up to 0.5 cm across. Hardness is due to silicification but base metals have not been introduced. Top and bottom contacts sharp along S₂ folia.</p> <p>TOI - EOI - slightly broken, good recovery.</p>
	348	8	354	0						12AD1	<p>Block banded graphitic quartzite to low base metal content. Pyrite - 5-10%, fine grained patchy, along Qtz laminae and in veinlets + cutting S₂ folia. S₂ folia seem to be folded by later event. Pb+Zn is approx 3%. Laminations defined by carbonaceous (common) and Qtz content. Qtz veining common, with associated patchy pyrite. Top and bottom contacts are sharp, again unit is between 1DA (holding?)</p> <p>TOI - EOI slightly broken, good recovery</p>
	354	0	356	2						11DA1	<p>#9</p> <p>Moderately soft to mod. hard, non calcareous, buff white phyllite PS₂ silvery white. Again 1DA to sericite, muscovite in a silicified interval (hardness). Pyrite is the only sulphide observed ~ 10%. Possible relics of andalusite</p>

Code	From		To		Recov.		No.		Unit	Description	
	10	14	16	20	22	24	26	28			30
											seen as phenocrysts; pink, subrounded. No base metals observed. TOI-EOT rod broken, along S ₂ surfaces, recovery good.
	3562		3628						ZAO		Ribbon banded graphitic quartzite. Banding defined by qtz/carbonaceous laminations with pyrite, patchy, fine grained associated primarily to qtz laminations ~ 15-20%. Base metals observed to be good at top of interval (2 feet) only. Galena and mostly sphalerite is also fine grained patchy, occurring with the qtz. Again, this unit is enveloped by 104. Pb+Zn ~ 4-5%. Top & bot contacts well defined along S ₂ . TOI-EOT slightly broken, recovery good.
	3628		3702						104	±9	Moderately soft to moderately hard (locally), non calcareous, light grey white phyllite. P _{S2} - buff white. Typical 104 to qtz, sericite muscovite, minor carbonaceous content. Very light pink, small, sub-rounded andalusite x-stals present (minor). Veinlets of silicified clays (yellow-white) // and x-cut to S ₂ folia. Only sulphide observed is pyrite; fine grained patchy, associated with qtz ~ 5%. Qtz veining with pink andalusite x-stals. No base metals observed. TOI-EOT rod broken, most fractures along S ₂ or veinlets, recovery good.

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	370	2	447	8					2A0	(2D4) 97:3
										Ribbon banded graphitic quartzite. Banding defined by qtz/carbonaceous laminations. Carbonaceous content varies (from 378.0 - 382.0 carbonaceous content is low - this interval is representative of a 2D4 - grade is +10% here). Pyrite also varies from 10-60%, average is 20%. It is fine to medium grained, patchy, assoc. w qtz and qtz veins. PbS/ZnS is generally low, locally high, fine to medium grained. No logical place observed where sulphide interval may be punched out. It simply may not exist here. S ₂ folia is variable throughout. No major faults - some crackle breccia (not strong) @ 395.0! TOI - 384 slightly broken, recovery good / 384 - 405 mod. broken, crackle breccia @ 395.0 / 405.0 - 419.0 slightly broken / 419.0 - EOI mod. broken along S ₂ and fractures, recovery good. Major ft gorge @ EOI; bottom is sub parallel to core axis 80/025 to contact with 1D4 at bottom of hole. Pb+Zn ~ 4-6%. Notably from 436 - EOI 2A0 shows breccia pieces approx 1cm long with S ₂ ? folia very steeply dipping. Bxa may be a result of ductility contrast? w 1D4.
L	447.8		467.5						1D4	White to buff altered micaceous schist. Moderately soft. Rock is composed almost entirely of muscovite > quartz. Upper contact is sharp. S ₂ foliation surfaces are shiny and light grey in color. Minor Py is found diss throughout the interval. S ₁ and S ₂ foliations are both seen. S ₃ crenulating the S ₂ foliations. TOI to EOH core is slightly broken w excellent recovery.

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE	INTR.	REC (m)	UNIT	ASSAY RESULTS										
	10	14	16	20					22	26	28	30	32	34	36	40	42	Pb	Zn
	1345	14	1346	20	428105	1		2A101											
	1348	14	1354	20	8106	15		2A101	0.82	1.25	10							2.65	
	1356	14	1362	20	8107	16		2A101	0.41	0.95	9							2.62	
	1370	14	1374	20	8108	14		2A101	0.75	1.86	24							2.78	
	1374	14	1378	20	8109	14		2A101	1.52	4.05	32							2.72	
	1378	14	1384	20	8110	15		2A101	2.43	5.33	24							2.74	
	1384	14	1389	20	8111	14		2A101	2.55	5.94	29							2.91	
	1389	14	1394	20	8112	15		2A101	1.80	3.15	20							3.10	
	1394	14	1399	20	8113	15		2A101	1.08	2.72	10							2.56	
	1399	14	1405	20	8114	16		2A101	1.35	2.40	17							2.58	
	1405	14	1409	20	8115	14		2A101	1.18	1.89	22							2.64	
	1409	14	1413	20	8116	14		2A101	0.75	2.22	21							2.36	
	1413	14	1417	20	8117	13		2A101	0.63	1.65	27							2.51	
	1417	14	1422	20	8118	15		2A101	0.08	0.33	1							2.58	
	1422	14	1427	20	8119	15		2A101	0.03	0.08	11							2.67	
	1427	14	1430	20	8120	13		2A101	0.26	0.51	15							2.57	
	1430	14	1435	20	8121	15		2A101	0.18	0.69	20							2.44	
	1435	14	1438	20	8122	13		2A101	0.13	0.57	18							2.52	
	1438	14	1442	20	8123	14		2A101	0.01	0.21	22							2.49	
	1442	14	1447	20	428124	15		2A101	0.14	0.78	22								

DDH 88F-08

CURRAGH RESOURCES INC.

Page _____ of _____

Logged by SBC

ASSAY LOG (SAMPLER'S COPY)

Date Jan 30/89

Sampled by SBC

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
	345	4	346	8	428105		11.4					2A0	
	348	8	354	0	428106		15.2					2A0	
	356	2	362	8	428107		16.6					2A0	
	370	2	374	7	428108		14.5					2A0	
	374	7	378	8	428109		14.1					2A0	
	378	8	384	7	428110		15.9					2A0	(2DA)
	384	7	389	0	428111		14.3					2A0	
	389	0	394	0	428112		15.0					2A0	
	394	0	399	0	428113		15.0					2A0	
	399	0	405	0	428114		16.0					2A0	
	405	0	409	0	428115		14.0					2A0	
	409	0	413	5	428116		14.5					2A0	
	413	5	417	0	428117		13.5					2A0	
	417	0	422	0	428118		15.0					2A0	
	422	0	427	0	428119		15.0					2A0	
	427	0	430	2	428120		13.2					2A0	
	430	2	435	5	428121		15.3					2A0	
	435	5	438	7	428122		13.2					2A0	
	438	7	442	7	428123		14.0					2A0	
	442	7	447	8	428124		15.1					2A0	

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-09

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION:
Claim: 119+000

MINE
Ferr. Plane
Co-ords.: 8576.90 N

13590.40 E

Grid
Co-ords: _____

Elevation: 3897.40'

All symmetry determinations looking

Total Depth: 146'?

_____ with _____ dipping

Inclination: -80° (@ Az 045°)

_____ with dip azimuth _____.

Purpose: To better delineate u/g reserves - gain geotechnical data.

Reason hole Terminated: Drill rods getting stuck - mud seam at 72-83'

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped: <u>No</u>
NW	0	24'	
NCR	29'	146'?	

Assay Lab: CURRAGH

Certificate No's: _____

Started: Sept 22/88 Completed: Sept 29/88

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-10

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION 117+000

MINE 8734.97 N

Co-ords.: 13748.69 E

Grid Co-ords: _____

Elevation: 3698.45

All symmetry determinations looking

Total Depth: 371'

_____ with _____ dipping

Inclination: -65° @ 225°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data

Reason hole Terminated: Drilled through favourable horizon^{elevation}, but not through quartzose material!

Logged by: IGP

Date(s) Logged: _____

Drilling Contractor: ARETIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped:
NW	0	4'	<u>No</u>
NQ	4	371'	

Assay Lab: CURRAGH

Certificate No's: _____

Started: Sept 24/88 Completed: Sept 27/88

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	10.0	15.0	0.0	011	11D11	No Recovery Overburden
L	15.0	21.3		012	11D108	→ [102] Med. grey Carbonaceous Mica schist. Moderately hard. Rock is composed mostly of Carbonaceous Material > Muscovite > biotite > chlorite w lesser amounts of qtz. S ₂ foliation surfaces are medium grey and shikey. S ₂ foliations are defined by carbonaceous bands and qtz rich bands. 5' to 7' core is badly broken 7' to 14.5' core is slightly broken 14.5' to EOI core is badly broken with 1 foot not being recovered
L	21.3	28.0		013	11H14	Light green dolomitic altered chlorite schist. Moderately hard Rock is composed of chlorite > biotite > qtz. S ₂ foliation surfaces are dark to dull green and shikey. Dolomitic content varies through out interval. Upper and lower contacts are sharp. This unit may be an altered metabasite. TOI - EOI core slightly broken w good Recovery.
L	28.0	41.2		014	11D12	Dark grey Carbonaceous Mica schist. Moderately hard. Rock is composed of Carbonaceous Material > biotite > qtz. S ₂ foliation surfaces are dark grey and shikey. S ₂ foliations are // to bands of carbonaceous Material and qtz. Upper and lower contacts are sharp. From TOI to 33.5' core is slightly broken 33.5' to 36.5' core is badly broken 36.5' to EOI slightly broken core Excellent Recovery Throughout entire interval

CURRAGH RESOURCES INC.
Lithologic Log

Code	From	To	Recov.	No.	Unit	Description
L	141.2	183.5		1015	11D01	[100]: [102] 70:30 TOI to 44' [1H4] Med to dark grey Carbonaceous Mica schist. Moderately hard - Carbonaceous content of interval varies. Generally Carbonaceous material > biotite > qtz > muscovite. S ₂ foliation surfaces are med grey and shiny. Abundant qtz veins and bandings. Some chlorite blebs. Chistolite crystals found in more carbonaceous areas. lower contact is gradational. TOI to 56' Core is slightly broken 56' to 58' Core is badly broken 58' to 79.5' Core is slightly broken 79.5' to FOI Core is badly broken w/ 1 foot of core Not Recovered
L	183.5	1115.0		1016	11D1018	Light grey slightly altered Mica schist. Moderately soft. Rock is composed of Muscovite > biotite > chlorite > qtz > carbonaceous material. S ₂ foliation surfaces range from silvery grey to dull green. S ₂ foliations are well defined by // compositional bands. Biotite is not well developed as bands but occurs as small needle like xstals in the muscovite. Qtz veins are surrounded by chlorite + biotite selvages in some cases. Bottom contact of interval is sharp. TOI to FOI core is only slightly broken. Recovery is alright with 1 foot being lost @ the top of the interval.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1115.0	1133.1		107	11H4	(114):(1048) 80:20 (1048) btwn 116' & 122'
						Light green dolomitic highly altered chlorite schist. Extremely soft. Rock is composed of chlorite > qtz. Rock is highly altered.
						1048 unit is light grey to buff. This unit is harder than the 114 unit. The composition is dominantly muscovite > biotite > qtz > carbonaceous material. The 114 & 1048 unit seem to interfinger in this interval. Upper & lower contacts are sharp. TOI-FOI core is extremely broken and gouge is found from 116.8' to 118.3' & 122' to FOI
						Recovery is good.
L	1133.1	1137.0		108	11D108	(1008):(10E9) 60:40
						Light grey → slight green tinge Mica schist. Moderately soft. Rock is composed mostly of Biotite > qtz > Chlorite. S ₂ Foliation surfaces are medium grey to green in color. S ₂ foliations are slightly folded in some areas "S" symmetry. The 10E9 unit is green to buff in color. This unit is highly broken. The matrix is microcrystalline and is mafic in composition. Abundant plagioclase phenocrysts occur in the fine grained matrix. Contacts with the host rocks are irregular and sharp.
						1008 → core slightly broken & recovery is good
						10E9 → core is badly broken " " "

Code	From	To	Recov.	No.	Unit	Description
1	10	16	20	22 24 26 28 30	34 35	
	137.0	153.0		109	1141	[114] : [100] 90:10
						Med to light green altered dolomitic chlorite schist. Moderately soft. S ₂ foliation planes are light green. Rock is composed mostly of chlorite w lesser amounts of dolomite. S ₂ foliations are defined by bands of chlorite & carbonate. 100 unit is slightly altered and is located btwn 144.8' & 146'.
						From 137' to 140' core is slightly broken
						@ 140' broken core & gouge
						140' to 143' core is only slightly broken
						143' to 144.8' soft broken & gouged core
						144.8' to 146' core is only slightly broken
						146' to EOT core is badly broken soft & gouged
						Recovery is good throughout.

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
	125125	127120			11D14	MODERATELY SOFT, NON-CALCAREOUS, BUFF WHITE PHYLLITE. PS ₂ SURFACE BUFF WHITE, CONSISTS PRIMARILY OF: MUSCOVITE, SERICITE, & QT ₃ LAMINATIONS. TOI-EOI MOD. BROKEN.						
	127120	12778			11D112	→ [ZAO] SILICEOUS RIBBON BANDED GRAPHITIC / PHYLLITE. TRANSITION ZONE DUE TO LOCATION W WASTE HORIZONS ABOVE & BELOW. UNIT CHARACTERIZED BY BANDS OF CARBONACEOUS MATERIAL INTER BEDDED WITH PHYLLITIC BANDS. ALTERED CLAYS (YELLOWISH/WHITE) S ₂ WITH X-CUTTING (YELLOWISH) ALTERED CLAYS. TOI-EOI MOD BROKEN						
	12778	128108			11D104	± 2 MOD SOFT, NON-CALCAREOUS BUFF WHITE PHYLLITE, PS ₂ BUFF WHITE, TO GREYISH IN AREAS. CONSISTS MAINLY OF MUSCOVITE, SERICITE & QT ₃ . GRADES LOCALLY TO CARBONACEOUS BANDS AT BASE OF INTERVAL. ALTERED (YELLOWISH) CLAYS , SUB & X-CUTTING S ₂ . TOI-EOI SLIGHTLY BROKEN W BOTTOM CONTACT PUNKY W GOUGE (FAULT TO S ₂) GOUGE OVER 10cm as WHITE MUD. DISPLACEMENT UNKNOWN.						
	128108	129106			12A10	RIBBON BANDED GRAPHITIC Qzite. CHARACTERIZED BY BANDS OF QT ₃ & CARB MATERIAL UP TO 0.5 CM THICK. PYRITE ~ 15% FINE GRAINED, PATCHY & OCCURS WITH QT ₃ LAMINATIONS. UNIT CONTAINS LOW BASE METALS ~ 3-4% Pb+Zn TOI WHITE MUD GOUGE (10cm IN LENGTH) TOI-285 MOD BROKEN. BREAKS & X-CUTTING S ₂ . X-CUTTING SURFACES SILICEOUS. 285-288 MOD BROKEN RECOVERY GOOD; 288-						

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28	30 34 35	
						289.5 Very Broken - Rubble Recovery Poor (NO. 5' lost), 289.5 - FOI slightly Broken to intact
	2910.6	2919.0			2H 34	± MARCASITE (2FO)(2F4)(1D4) 70:15:10:5 PYRRHOTITE MASSIVE SULPHIDE. PYRRHOTITE FINE GRAINED, LOCALLY PERVASIVE. PYRRHOTITE INTERVALS SHOW POROSITY (3-5%) IN ASSOCIATION WITH THE PIRITE/MARCASITE; OTHER INTERVALS SHOW LOCALIZED BRECCIATION OF 1FO/1F4/ALTERED CLAY (YELLOWISH), 2F/2F4 CONTACTS GRADE TO ± FROM THE 2H INTERVAL AS FOLLOWS:
						290.4' - 291' 2F
						291.0' - 291.6' 2H
						291.6' - 292.5' 2F
						292.5' - 292.8' 2H
						292.8' - 293.5' 2F
						293.5' - 294.0' 2C4
						294.0' - 295.8 2F
						295.8 - 296.5' 1D4 (FAULT GOUGE) Broken // to S ₂ w increasing FAULT MUD CONTENT TOWARDS Base (@ 296.5) DISPLACEMENT? ∴ may not be significant SINCE 2H IS ABOVE & BELOW THE FAULT ∴ SINCE THE 2BCO COMPONENT IS ABSENT IN THIS DDH COULD LEAD TO A MORE SIGNIFICANT MOVEMENT?
						296.5' - 297.0 2F
						297.0 - 299.0 2H
						GRADE High THROUGHOUT THE INTERVAL ~ 9-12% Pb + Zn %. TOI - 293.5 SLIGHTLY Broken. 293.5 - 293.7, VERY Broken 293.7 - 294.7 SLIGHTLY Broken, 294.7 - 295.6 VERY Broken (JUST ABOVE FAULT) 295.6 - 296.5 FAULT (GOUGE) ZONE 296.3 - FOI SLIGHTLY Broken.

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
	12199	0	3113	3							2100	± 5 (204) (85:15)
												<p>PYRITIC-QUARTZITE Pb+Zn % ≈ 5.5-6.5% CARBONACEOUS CONTENT IS LOW & PATCHY AS LENSES (≤ 5cm) PYRITE OCCURS AS FINE GRAINED LOCALIZED ZONES (PATCHES) w/ MINOR Qtz. RARE (ONE/10-25cm) ALTERED (YELLOWISH/WHITE) CLAY X-CUTTING S₂ NEAR TOI ONLY. Qtz CONTENT INCREASES WITH DEPTH.</p> <p>TOI - 303.5 slightly Broken (11' X - S₂)</p> <p>303.5 - 308 MOD BROKEN w/ 10 Q9 @ 307'</p> <p>308 - 309.5 MOD BROKEN - VERY BROKEN 0.5' CORE LOSS</p> <p>309.5 - 310.5' VERY BROKEN - w/ 0.3' CORE LOSS</p> <p>310.5 - EOI SLIGHTLY BROKEN</p>
	13113	3	31190								2145	[2A0]
												<p>RIBBON BANDED GRAPHITIC Qtzite UNIT CHARACTERIZED BY BANDS OF Qtz & CARB MATERIAL UP TO 0.75cm THICK AT INTERVALS OF 0.2cm - 1.5cm. PYRITE ≈ 5-8% Fine grained mainly & patchy. PYRITE ASSOC. w/ Qtz veinlets. BASE METAL CONTENT LOW ≈ (1.5-25%). UPPER CONTACT w/ 200 is ABRUPT INTO RIBBON BANDING WHICH BY 314.8' GRAPHITIC BANDS GRADE INTO A MORE Qtzite UNIT w/ ALTERED (YELLOWISH/WHITE) CLAY X-CUTTING S₂ LOCALLY (OVER A 0.6' INTERVAL) 314.8' - EOI GRADES BACK INTO A WELL BANDED GRAPHITIC Qtzite w/ MINOR (1/1.5') ALTERED (YELLOW/WHITE) CLAY BANDS X-CUTTING S₂. BOTTOM CONTACT CUTS S₂. S₂ SURFACE NOT GRAPHITIC & DOES NOT MARK FINGERS BLACK AS 2A0 WOULD.</p>
	131190		31240								21134	(2F67) 70:30
												<p>PYRRHOTITE MASSIVE SULPHIDE. CONTACT WITH UNITS ABOVE & BELOW ARE SHARP & CUT S₂. PYRRHOTITE FINE GRAINED LOCALLY PERVASIVE. PYRRHOTITE INTERVALS SHOW LOCALIZED POROSITY AVERAGING ≈ 5% WITH SOME INTERVALS ≈ 10-15% IN RELATION w/</p>

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
											IN THE (ZHS) PYRITE/MARCASITE ² ZONES. THESE ZHS ZONES OCCUPY ~ 25% OF THE INTERVAL & PRIMARILY ARE FINE GRAINED & PATCHY. INTERVAL OF 10cm @ 322 (ALSO PICKED FOR BED. TECH TEST) HAS A BRECCIATED PIECE OF ZCS [ZAO] WITH EXTENSIVE ALTERED (YELLOW/WHITE) CLAY BANDS MAINLY TO S ₂ BUT ALSO X-CUTTING S ₂ . WITH ONE BAND ONLY, CUTTING THROUGH BOTH THE BX & HOST ZH. GRADE GOOD ~ 8.0-9.0%. TOI-EOI SLIGHTLY BROKEN TO INTACT.
	324.0		335.5							ZCS	→ [ZAO] RIBBON BANDED GRAPHITIC QTZITE. S ₂ SURFACES NOT GRAPHITIC & DO NOT MARK FINGERS BLACK. BANDING OF QTZ (UP TO 0.75cm thick) & CARB (UP TO 0.5cm thick) PYRITE FINE GRAINED PATCHY WITH QTZ VEINLETS. BASE METAL CONTENT LOW ~ 3-3.5% Pb+Zn. PYRITE CONTENT ~ 7%. S ₂ SURFACES @ TOI X-CUT THE AXIS OF THE CORE AT A SHALLOW \angle . @ 330' S ₂ SUB TO AXIS OF CORE. @ 333' 100% & S ₂ GOES BACK TO ORIGINAL SHALLOW ANGLE. TOI: 326.6 VERY BROKEN 326.6-330.6 MOD BROKEN, 330.6-EOI SLIGHTLY BROKEN-INTACT RECENTLY BROKEN.
	335.5		339.5							ZH3A	(ZE4) 90:10 PYRRHOTITE MASSIVE SULPHIDE. TOP CONTACT ABRUPT & CUTS S ₂ . PYRRHOTITE FINE GRAINED, LOCALLY PERVASIVE, PYRRHOTITE POROSITY ~ 5% AT TOI TO 335.8'. PYRITE/MARCASITE OCCUPIES ~ 15% AND PRIMARILY FINE GRAINED. RARE (1/10-15cm) usually singular altered (yellowish/white) CLAY BANDS & SUB and X-cutting a possible remnant S ₂ . 338.6' BRECCIATED ZCS FROM INTERVAL ABOVE. @ 338.6' TRANSITIONAL TO ZE4 TO EOI. TRANSITION TO APPARENT S ₂ EOI ABRUPT WITH NEXT INTERVAL WITH BRECCIATED PIECES OF QTZ FROM NEXT UNIT INTO THIS UNIT & GALENA VEINING AT BASE OF INTERVAL, PROBABLY ASSOCIATED WITH DUCTILITY CONTRAST. Pb+Zn ~ 10-12% TOI-336.3 V. BROKEN 336.3-EOI SLIGHTLY BROKEN TO INTACT.

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
	13195		1344							12C05	Pyritic Qtzite w wispy RELIC CARB BANDING. VERY HARD DOES NOT BREAK ON S ₂ . GREYISH CUT SURFACE. BROWN SURFACES ARE NOT CARB. BANDING OF CARB & Qtz IS RESTRICTED TO ~ 0.5cm in thickness & no more than 7cm in LENGTH. INTERVAL HIGHLY FRACTURED WITH ALTERED (YELLOWISH/WHITE) CLAY BANDS CUTTING IN ALL DIRECTIONS. Pb+Zn ~ 4-5% IRREGULAR FRACTURES w PYRITE/CALCO/SPHAERITE/Qtz. TOI-EOI INTACT. LOWER CONTACT GRADATIONAL.
	1344		13525							12C5 ⇒ [2A0]	RIBBON BANDED GRAPHIC Qtzite. UNIT CHARACTERIZED BY BANDS OF Qtz & CARB MATERIAL. BANDS UP TO 1.0cm THICK AVE ~ 0.5cm. S ₂ SURFACE DOES NOT MARK FINGERS. INTERVAL V. HARD. PYRITE FINEGRAINED PATCHY, ASSOCIATED IN Qtz veinlets. PYRITE AVE CONTENT ~ 7%. w TOI-346 3-5% PYRITE, 346-348 ~ 25%, 348-350 ~ v. patchy ~ 10%. 350-EOI Qtz veinlets ARE MORE PROMINENT THAN CARB. SOME UP TO 1cm thick w PYRITE ~ 5-7%. @ 348.6 a small offset of 0.5cm is evident w localized INCREASED MINERALIZATION & Qtz & S ₂ appears to BE CONSISTENT BEFORE AND AFTER THE OFFSET Pb+Zn ~ 4-5% TOI-EOI slightly BROKEN TO INTACT.
	13525		13548							12D05 (2H34) 95:05	Pyritic Qtzite. w VERY HARD SILICEOUS OCCASIONAL, RIBBON CARBY, BANDS (~ 0.25cm thick) TOT-354 STRUCTURALLY COMPLEX ie NO GENERAL ORIENTATION OF S ₂ EVIDENT. BRECCIATED & WHAT APPEARS TO BE INJECTED INFILLING 2H (FROM UNIT BELOW) Pb+Zn 5-5.5%. 354-EOI S ₂ MEASURABLE BUT MOVING

Code	From		To		Recov.		No.		Unit		Description	
	10	14	16	20	22	24	26	28	30	34		35
	357	4	368	3							2C05	<p>Pyritic quartzite with increasing carbonaceous banding down the hole very hard. Broken surfaces do not follow S₂ (and carbon bands are not dirty to the touch as 2A). TOI-358 transitional change from 2C0 to 2C05 with numerous (3/cm) altered (yellowish/white) clay veinlets. sub // & X-cutting S₂. @ 359.3 a very hard siliceous altered (yellow/white-yellow/orange) clay infill is present. (veinlets of altered clay exist throughout the interval. Zones of Qtz infilling exist @ 362.0-3630 & @ 365.5. @ 326.5 a 1cm thick Qtz vein w brecciated Pyrite/Marcasite/Calc/Sphalerite X-cuts S₂. Pyrite ~ 5% and bands of sphalerite // the bands of pyrite in Qtz. Pyrite fine grained sandy platy. Pb+Zn ~ 4.5-5.0%. TOI-362 Intact 362-363 Mod Broken (prob 85-90% recovery) 363-EOI slightly Broken to intact. Gradational contact at Base into next unit.</p>
	368	3	371	0							1D112	<p>Sili Ribbon banded graphitic/phyllite. with minor zones w len thick of 1D2. Contact with upper unit gradational but interval has fracture infilling at 369.0 with altered (yellow/orange) clay and Pyrite/Chalco/sphalerite brecciation at 369.1 to 369.4 where a 3cm wide fault (gouged) zone is located. on the bottom side of this fault to EOI & EOH sphalerite/w minor galena // & sub // S₂. The last 5cm of the Hole is 1D4. with ZnS/PbS veining still present. Pb+Zn ~ 2-3% TOI-EOI Intact.</p>

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-11

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION:
Claim: 125+000

Terr. Plane
Co-ords.: 7748.99 N

14344.17 E

Grid
Co-ords: _____

Elevation: 3790.39

All symmetry determinations looking

Total Depth: 462'

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data

Reason hole
Terminated: Drilled through ore horizon into footwall.

Logged by: SBC

Date(s) Logged: _____

Drilling
Contractor: ARCTIC

Hole
Cemented: No Steel
down Hole: No

Size	CORE From	To
NW	0'	4'
NQ	4'	462'

Collar Cased
and Capped: No

Assay Lab: CURRAGH

Certificate No's: _____

Started: Sept 27/88 Completed: Sept 29/88

CURRAGH RESOURCES INC.
Lithologic Log

Code	From			To			Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
L	10	0		19	0									Overburden No Recovery
L	19	0		30	5									banded brn-light green calcareous Mica phyllite. Compositional bands // to S ₂ foliations are composed of Chlorite > Biotite > Qtz-Carbonate. Bands are thin usually < 0.5cm. Carbonate content varies, with some intervals being more calcareous than others. Py occurs along fractures and next to qtz veins. At 10 feet depth two small bands of Py occur // to S ₂ foliations. These Py bands are boudined. Qtz veins with chloritized margins and fragments of enclosed host rock are often present. Veins appear boudined and roughly // S ₂ foliations. From 29' to EOI core is extremely broken and very soft. The remainder of the interval has slightly broken core with recovery still being good.
L	30	5		34	0									Dark grey non calcareous Carbonaceous Mica schist. This interval is almost entirely composed of Carbonaceous Material > biotite. S ₂ foliations are obscure due to lack of color variation btwn bands. The TOI is slightly calcareous for about 10cm. Fault gouge exists @ 31.5' 33' and 33.5'. TOI EOI Core is slightly broken with recovery still being good.

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24 26 28	30	34 35	
L	34.0	42.5		4	310.518	Light Grey - Green Calcareous Mica schist. S ₂ foliations defined by light green chlorite bands and white/grey qtz carbonate bands. Chlorite > Qtz-Carbonat > Muscovite. Minor qtz veins are present. From TOI to 30' interval is very broken but recovery is still quite good. The remainder of the interval is slightly broken with excellent recovery.
L	42.5	59.5		15	11D.211	Med to Dark grey Carbonaceous Mica schist. S ₂ foliations are paralleled by dark carbonaceous bands and lighter qtz rich bands. Bands are very small & usually ≤ 1mm. Qtz > Carbonaceous material > Biotite. S ₂ foliations are not that distinctive due to the dark nature of the conc. Py is found along fractures disseminated. Qtz veins are boudined and roughly the S ₂ foliations. Veins range in size from 0.5cm to 12cm. @ 47.5' Fault gouge is present, core is broken & soft near this zone. TOI - EOI core is slightly broken but Recovery is good.
L	59.5	69.8		16	11C.518	Med grey Siliceous Mica schist. Interval is quite hard. S ₂ foliations are defined by bands of Qtz > Biotite > Chlorite > Muscovite. Bands are relatively thin. A 6" qtz vein with its top contact // to S ₂ foliations and an irregular bottom contact occurs at 67.5'. Top contact is sharp & is marked by slightly broken core. The bottom contact is not well defined and is marked by the absence of biotite.

TOI - EOI core recovery is excellent

Code	From	To	Recov.	No.	Unit	Description
1	10 14 16 20	22 24 26 28 30 34 35				
L	1619.8	1715.0		7	11H1	Light green-grey siliceous slightly calcareous Mica schist. Unit is extremely hard. Composed mostly of qtz with lesser amounts of chlorite, actinolite and a very minor amount of biotite. The calcareous areas are associated with the chlorite, actinolite assemblages. S ₂ foliations are not easily recognized due to homogenous colour throughout interval. Minor Py occurs along fractures. TOI - EOI Excellent Recovery.
L	1715.0	1917.5		8	11C59	Banded light brown-grey siliceous Mica schist. Banding is composed of qtz > biotite > muscovite > chlorite. Some areas are slightly carbonaceous. The carbonaceous areas have dark chlorite clots which may be relic andalusite xstals. Carbonaceous areas are found near the EOI. Banding is // to S ₂ foliations. Minor Py occurs along fractures. Broken core occurs from 95' to EOI Recovery over whole interval is excellent
L	1917.5	11517.0		9	11D181	Light Grey banded Mica schist. Rock is slightly carbonaceous in areas. The dominant constituent of the interval is muscovite with lesser amounts of biotite and chlorite. Muscovite occurs in bands // to S ₂ foliations. Biotite occurs as little needle like crystals within the muscovite groundmass. Chlorite is common as bands and as clots, the latter may be relic andalusite. Andalusite xstals are sometimes present adjacent to qtz veins. The banding is defined by muscovite, chlorite & clay mineral? bands. The composition

CURRAGH RESOURCES INC.
Lithologic Log

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24 26 28 30	34 35		
				A		bands tend to // S ₂ foliations. Qtz veins and boudins are present throughout the interval. Veins have irregular contacts and they roughly // S ₂ foliations.
						The EOI is marked by an area of badly broken core. Recovery between 152 and 157' is poor with only 2/3 of core recovered.
						TOI to 152' core is slightly broken with excellent recovery.
L	157.0	191.0		110	1, H, 1	Med grey-green chlorite actinolite schist. Interval is dominantly composed of chlorite with < actinolite < qtz. Some slightly silicified intervals occur btwn 164' and the EOI. Py is found along fractures and as blebs within the rock. The silicified intervals appear to be much finer grained than the chloritic intervals. S ₂ foliations are not well defined due to lack of color variance btwn bands. Where S ₀ foliations are seen they are defined by dark chloritic bands & lighter siliceous bands.
						From TOI to 158' core is very broken. Recovery is still good.
						Between 171.0' and 174.8' interval is quite siliceous with the actinolite content < above part of interval.
						From 174.8' to EOI chlorite is the dominant mineral. Calcite blebs and fracture fill is found in the bottom half of the interval.
						Broken and soft core is found btwn 187' and 188' as well as at 190'
						TOI EOI Recovery is good.

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16 20	22 24 26 28 30	34 35		
L	1191.0	12019.5		111	111.8	Med grey silicified Chlorite schist. Unit is similar to silicified intersections of unit 10. Some sections are more silicified than others. Unit is extremely hard and fine grained in silicified areas. Qtz > Chlorite > actinolite. Actinolite is found in less qtz rich areas and is usually med-coarse grained. Carbonate is found rarely as blebs, but can readily be found along fracture planes. Py is present as blebs and fracture fill. <1% S ₂ foliations are not easily recognized. 208' to EOI core is soft and qtz content is low. Recovery is good throughout interval.
L	12019.5	13320		112	110.8	Banded Light grey-brn Mica schist. Banding is well defined. Bands of Muscovite > biotite > chlorite > qtz run to S ₂ foliations. The mineral percentage varies throughout the interval with some areas being more biotite rich & chlorite rich. Chlorite occurs as small blebs which may be relic andalusite xstals, as well as thin bands. In most cases the micaceous bands are much thinner than the more silicic bands. Biotite occurs as bands or as thin needle like crystals in a muscovite groundmass. Actinolite-chlorite bands are found on occasion. Qtz veins and bandings are occasionally present. The veins often have biotite-chlorite selvages associated with them. Minor Py is also found associated with the qtz. Between 227' and 230' is an interval which is slightly calcareous and is composed mostly of Chlorite > Actinolite > biotite. Interval may be slightly carbonaceous in areas.

CURRAGH RESOURCES INC.
Lithologic Log

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20	22 24 26 28	30 34 35	
				112		@ 244' is an area of broken soft core
						From 266' to 272' Core is slightly more carbonaceous than units above and below. Partially replaced andalusite xstals are also present. This interval is also slightly calcareous in biotite and chlorite rich areas. [100]
						Between 292' and 297' interval is more carbonaceous than units above and below. This interval is softer and more broken than the rest of the interval [100]
L	13312.0	13412.0		113	11D12	Dark grey Carbonaceous Mica schist. S ₂ foliations are defined by // bands of Muscovite > graphite > biotite. Andalusite xstals are partially replaced by chlorite. Minor qtz veins // to S ₂ foliations are encompassed by selvages of chlorite & biotite. Veins range in size from 0.5cm to 3.0cm.
						Core is gouged and broken @ 340.5' and @ 335'
						Recovery is good. From TOI-EOI
L	13412.0	13419.0		114	11D10	Med grey Carbonaceous Mica schist. S ₂ foliations are paralleled by bands of Muscovite > biotite > carbonaceous material. Andalusite xstals have been partially replaced by chlorite. Minor qtz veins and boudins are present. The veins ≈ // S ₂ . S ₂ foliations are folded. Many of the small scale folds show "S" type symmetry
						TOI-EOI Recovery is Good.

Core	From	To	Recov.	No.	Unit	Description
	10	14 16	20	22 24 26 28	30	34 35
L	31419.0	31817.0		115	11D181	Light grey-green slightly carbonaceous Mica schist. Compositional bands // S ₂ foliations. Muscovite > biotite > chlorite > Carbonaceous Material. Andalusite xstals are partially replaced and are abundant. Qtz veins and boudins are present. Qtz is surrounded by chlorite and biotite selvages. Minor Fe Carbonate stringers x-cut S ₂ foliations. Interval is slightly siliceous towards the base of the interval. TOI - EOI core is slightly broken with good Recovery.
L	31817.0	31915.8		116	11D101	Light grey Carbonaceous Mica schist. Similar to unit 14. S ₂ foliations are enhanced by buff-orange clay mineral? bands. Abundant qtz - Fe Carbonate veins are present. Veins x-cut & // S ₂ foliations. @ 391' core is broken and slightly gouged From 393' to EOI core is badly broken TOI EOI Recovery is good

Lithologic Log

Date: Jan 31/89 Logged By: SBC

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	39.58		39.81						1DA	±9 Moderately soft, non calcareous, light grey buff white phyllite PSz, buff white. Previous unit looks like a semi altered 1D0. Unit is short and may be due to ft. Gouge (2cm) observed at top of interval. Primary constituents: unscorite, sericite, qtz laminations, minor altered clays (yellow/ white // Sz). Bottom contact, punky w some gouge - may be strength contrast. Gw units. Minor fine grained py // Sz. TOI gouge (white mud) // Sz, also minor gouge @ 396.8 // Sz / TOI-EOI rod. broken, recovery good. Fractured along Sz folia.
	39.81		40.80						2D0	±5 Pyritic quartzite. Quartz rich ore type with associated fine- to medium grained pyrite which occurs as speckled patches or disseminations. Not sure if some specs (1-2mm) are PbS/ZnS. Carbonaceous content is locally abundant and seen in laminations up to 1cm thick. Ft gouge at TOI (white mud with carbonaceous material) // Sz Minor veinlets x-cutting Sz folia probably comprised of silicified clays - some are vuggy. Major qtz vein w minor associated gouge at EOI (2 feet). Qtz shows fine grained py. Pyritic content for unit approx 20%. Pb+Zn unsure at 5%. TOI gouge (white mud w carbonaceous material) 3cm // Sz

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
												TOI-406 mod. broken along S ₂ primarily. / 406-EOI very broken qtz vein (some gouge here); recovery good.
	408.0	415.2	50		2A0							Ribbon banded graphitic quartzite. Unit characterized by bands of qtz and carbonaceous material up to 0.5cm thick along core. Pyrite ~ 15% is generally fine grained, patchy and occurs with qtz laminations. Unit is base metal poor. Pb+Zn ~ 1-2%. TOI shows 0.4 feet of gouge (grey mud) // S ₂ with brecciated 2A0 at 409.0. Fault zone is probable here - displacement, questionable. Both top and bottom contacts are sharp.
												TOI - 409 gougy/brecciated, recovery poor (lost 2') / 409 - 415.2 mod. broken, very broken at 415.2 (EOI), recovery good.
	415.2	433.2	17.5		2G, 2A1							Baritic massive sulphide. Galena and sphalerite appear to be fine grained (locally coarse) and occur in a matrix of baritic material. Barite content varies from 50% at the top portion of the interval to 5% at the bottom. The bottom contains more coarse pyrite 60-70% and from 427.0 - 429.5, 0.5' of core is lost in a very broken sandy pyritic section. Rest of interval shows minor qtz blebs. Pb+Zn variable probably 10% average. Fault slicks @ 421.6 dipping steeply at 15° from core axis.
												(both Dip & Strike slip)

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
								TOI - 421.5 slightly broken, recovery good. / 421.5 slicks and broken rock (see above) / 421.5-427 mod. broken, porous (broken gourd) at 425 for 0.5' / 427-429.5 very broken in sandy pyrite (porous) - poor recovery (lost 0.5') / 429.5-EOI mod. broken along fractures (this section shows fine grained massive pyrite with silica), recovery good.		
	4332		4431				ZH34 (2F67) (1D49) bre 40:10:50	Pyrrhotitic massive sulfide. Unit is an even mixture of mid ore horizon 1D49 and pyrrhotite. Contacts b/w both are sharp and are as follows: 4332-435.0 1D49 → [Zco]? 435.0-436.5 2F67 + [Zco]? 436.5-439.5 1D49 → [Zco]? 439.5-443.1 ZH34 Pyrrhotite, fine grained, locally pervasive - most pyrrhotitic intervals show 3-5% porosity in the associated pyrite/marcasite. Pyrite/marcasite occupy 20-25% and primarily fine-grained, patchy. Pyrrhotite intervals show hints of brecciation - not entirely sure because of rounded edges to breccia pieces. PbS/ZnS grade good here 9-12% combined Pb+Zn. The waste intervals do show brecciation of altered/silicified clays with fine grained patchy pyrite. Very little Pb+Zn content here.		
								TOI - 438.7 slightly broken / 438.7 gouge (2cm) (mod) / 438.7 -EOI slightly broken, recovery good.		

Lithologic Log

Date: Jan 31/89 Logged By: SBC

Code	From		To		Recov.		No.		Unit	Description	
	10	14	16	20	22	24	26	28	30		34
	4431		4555						2D9	IS	<p>Pyritic quartzite. Pb+Zn ~ 5-6%. Pyrite occurs as fine grained patches in the qtz. Carbonaceous content is low and local; in laminations up to 0.5cm thick. PbS/ZnS is also fine grained, patchy. Fractures ext S₂ and usually py filled.</p> <p>Top & bot contact sharp; bot. is marked by gouge in IDA. Last 2 feet of interval is very pyrite rich ~60% in a siliceous matrix w minor po. Generally py content is approx 10%.</p> <p>TOI - EOI nod. broken to rubble at EOI (driller related?) recovery okay (0.5' lost probably near EOI at gouge zone).</p>
	4555		4620						1DA	(1) 9 minor	<p>Moderately soft to moderately hard, non calcareous buff white phyllite. Ps₂ buff white. Locally silicified sericite, muscovite. No andalusite seen. Minor pyrite seen as disseminations. No base metal content. Top of interval shows 0.3' gouge (white mud) - possible core loss here (0.5'). Gouge appears to be S₂.</p> <p>TOI - 457 gougy, very broken; // S₂ / 457 - EOI nod broken along S₂ only.</p>

DDH 88F-11
2 8

CURRAGH RESOURCES INC.

Page 16 of _____

Logged by SBC

ASSAY LOG (SAMPLER'S COPY) Date Jan 31/89 Sampled by SBC

CODE	FROM		TO		SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION									
	10	14	16	20					22	26	28	30	32	34	36	40	42	Pb+Zn
	3981				42720	16.4	1	2D01	0.98	0.43	0.55	12						
	4045				42721	13.5	1	2D01	0.95	0.66	0.29	16						
	4080				42722	17.0	1	2A01	3.83	1.06	2.77	32						
	4150				42723	15.0	1	2G3A	10.51	3.21	7.30	44						
	4200				42724	14.0	1	2G3A	12.58	5.02	7.56	74						
	4240				42725	13.0	1	2G3A	11.86	4.11	7.75	96						
	4270				42726	16.2	1	2G3A	13.16	5.80	7.36	112						
	4350				42727	11.5	1	2F67	13.62	5.17	8.45	72						
	4395				42728	13.6	1	2H3A	13.63	3.52	10.11	116						
	4431				42729	14.9	1	2D01	4.59	1.52	3.01	36						
	4480				42730	15.0	1	2D01	4.13	1.40	2.73	34						
	4530				42731	12.5	1	2G3	6.90	2.62	4.28	50						

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-12

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUNDS

Location: FARO PIT (SW)

SECTION:
Claim: 128+000

MINE
Terr. Plane
Co-ords.: 7515.00 N

14703.00 E

Grid
Co-ords: _____

Elevation: 3821.5

All symmetry determinations looking

Total Depth: 26'

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data

Reason hole
Terminated: Rocks falling on drill shack - moved to next site

Logged by: _____

Date(s) Logged: _____

Drilling
Contractor: ARETIC.

Hole
Cemented: No Steel
down Hole: No

Size	CORE From	To
NW	0'	4'
NQ	4'	26'

Collar Cased
and Capped: No

Assay Lab: _____

Certificate No's: _____

Started: _____ Completed: _____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-13

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION:
Claim: 127+000

MINE
Terr. Plane
Co-ords.: 7712.13 N

14696.85 E

Grid
Co-ords: _____

Elevation: 3788.72

All symmetry determinations looking

Total Depth: 381'

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data.

Reason hole
Terminated: Drilled through ore horizon into ID.

Logged by: SBC

Date(s) Logged: _____

Drilling
Contractor: ARCTIC

Hole
Cemented: No Steel
down Hole: No

Size	CORE From	To	Collar Cased and Capped: <u>No</u>
<u>NW</u>	<u>0'</u>	<u>4'</u>	
<u>NQ</u>	<u>4'</u>	<u>381'</u>	

Assay Lab: CURRAGH

Certificate No's: _____

Started: Oct 1/88 Completed: Oct 2/88

CURRAGH RESOURCES INC.
Lithologic Log

Code	From	To	Recov.	No.	Unit	Description
L	00.0	2.5	0	1	X	No Recovery (Overburden)
L	8.5	63.5		2	11D112	<p>Med Grey Slightly siliceous, Carbonaceous, Micaceous schist. S₂ foliations are paralleled by laminations of qtz and carbonaceous material. The composition of the interval varies slightly. In general Carbonaceous Material > Muscovite > Quartz > chlorite > biotite. S₂ Foliation Planes are characterized by dark shiny surfaces. Chlorite & biotite occur as selvages around qtz veins and silicified regions. Chlorite also is present as clots or blebs which represent relic andalusite xstals. Andalusite xstals are either partially or completely replaced.</p> <p>2 phases of qtz veins occur. The older veins are grey translucent bull qtz. The bull qtz veins generally run // to PS₂ but occasionally xcut. The bull qtz occurs as veins or boudins. The younger phase of qtz veins is milk white and occurs regularly with iron carbonate. These younger veins xcut the older qtz veins and the S₂ foliations. The milk white veins also // PS₂. A few iron carbonate stringers are present. They seem to be the youngest phase of veins because they xcut both phases of qtz veining as well as PS₂ surfaces.</p> <p>Py is commonly found diss. along fractures. < 1%</p> <p>TOI to EOI core slightly broken with Good Recovery</p>

CURRAGH RESOURCES INC.
Lithologic Log

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
L	16.3.5	16.4.5		13	11.0.10	White to light grey Bull qtz vein. Upper & lower contacts are \approx // to S_2 foliations. Minor fragments of chloritized host rock are caught up in the vein as well as blobs of Fe carbonate. TOI-EOI Excellent Recovery						
L	16.4.5	11.0.40		14	11.0.21	Med grey Carbonaceous slightly siliceous Micaceous schist. Bands of Carbonaceous Material and more siliceous bands // the S_0 foliations. The composition of the interval is mostly Carbonaceous Material > Muscovite > qtz > Biotite > Chlorite. The % of these constituents changes through out the interval giving areas of slightly lighter or darker color. Chlorite occurs as mirror bands or clots. These clots are relic andalusite xstals. Andalusite xstals are partially or totally replaced. The muscovite seems to have a slight green color to it. Biotite is a minor constituent occurring occasionally as thin bands. Qtz veining again occurs in two phases with the early phase being the bull qtz and the younger veining being milky white qtz-Fe carbonate phase. The bull qtz phase is // to S_2 foliations whereas the milky white qtz-Fe carbonate phase \times cuts S_2 foliations. The younger qtz-carbonate veins cross-cut the S_2 foliations @ 50° and appears to follow axial planar cleavage planes. Minor Fe-Carbonate stringers are present and seem to be the youngest veining episode. EOI core is slightly broken TOI-EOI Recovery is good						

Code	From		To		Recov.				No.				Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
	1104.0		1150						15				1D11	Med grey carbonaceous slightly siliceous Mica schist. Core is badly broken and gouged. Brecciated core is from 106' to 110'. Where preserved the S ₂ foliations are defined by dark carbonaceous bands and lighter bands of Qtz and Micas. Biotite content is minor. Carbonaceous Material > Muscovite > chlorite. Minor Qtz veins // to S ₂ are present. Py is found associated with the Qtz veins as well as along fractures. Fe Carbonate stringers commonly x-cut S ₂ foliations. TOI-EOI Core badly broken.
L	1115.0		1157.5						16				1D10	Med. to light grey slightly carbonaceous & siliceous Mica schist. Compositional bands of Muscovite > carbonaceous material > chlorite. Bands are thin and they // S ₂ foliations. The TOI is slightly less carbonaceous and more chloritic than the rest of the interval. This lack of carbonaceous material and abundance of chlorite may be due to leaching and alteration by fluids from the above permeable fault zone. Relic andalusite & partially replaced andalusite are minor features of the interval. Andalusite is replaced by chlorite. Qtz veins & stringers are prevalent @ the TOI, they // and x-cut S ₂ foliations. Minor Qtz veins and blobs occur throughout the rest of the interval. Abundant Fe-carbonate stringers are present, most showing x-cutting relationships with S ₂ foliations. Broken & brecciated core occurs btwn 131' & 132.5' as well as btwn 150' & 151'. The EOI is broken & gouged for ~ 2'. TOI EOI Recovery Good.

Code	From	To	Recov.	No.	Unit	Description
	10	14 16	20 22 24 26 28	30	34 35	
L	157.5	159.0		7	1101Q	White-grey Qtz vein. Contacts are sharp and irregular. Minor clasts of host rock are enclosed by the Qtz vein. Minor blebs of carbonate are found within the vein.
L	159.0	174.0		8	1100	Med grey slightly carbonaceous Mica schist. Interval has some areas near Qtz veins which are slightly siliceous. Compositional bands of Muscovite > Carbonaceous material > chlorite // S ₂ foliations. Chlorite occurs as thin bands of clots, the later being relic andalusite xstal clots. A large Qtz vein x 10'-12" wide occurs around 162'. Other smaller Qtz veins // S ₂ foliations and show boudin type structures. Minor Fe Carbonate stringers are present. TOI-EOI core is slightly broken but recovery is still good.
L	174.0	191.0		9	11012	Med to Dark grey Carbonaceous Mica Schist. Dark appearance is due to high content of carbonaceous matter. Carbonaceous material > Muscovite > chlorite. S ₂ foliations are hard to determine in extremely graphitic areas due to the lack of color variation btwn bands. Bands // S ₂ foliations. Replaced & partially replaced chistalite xstals are present in some areas. Crystals are Euhedral. to sub hedral. Qtz veins are minor but when present they // S ₂ foliations. Minor Fe Carbonate stringers are also present. Gouge exists @ TOT 179.5' and 184'. TOI-EOI Recovery is Excellent

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
L	11910.0	11930.0		110	11C19	Med grey slightly carbonaceous qtz-feldspathic mica schist. This unit is less carbonaceous than above unit. S ₂ foliations are more visible due to variation in color bwn the compositional bands // to S ₂ . Muscovite > Carbonaceous Material > qtz + Feldspars > Chlorite > Chlorite. Andalusite xstals occur in certain regions. These xstals are finer grained & more completely replaced than above unit. Biotide bands and qtz-feldspar bands occur most commonly in the bottom 2' of the interval.					
						Qtz veins & bands occur throughout interval. Veins X-cut and more commonly // S ₂ foliations. Minor P ₁ and Chloritization accompany the qtz veins & bands. Minor Fe-Carbonate stringers Xcut S ₂ foliations. EOI broken core exists, other than that core is relatively unbroken and Recovery is excellent					
L	11918.0	18107.5		111	11G8	Light green-grey slightly siliceous mica schist. S ₂ foliations are hard to determine due to lack of color variations b/w bands. Muscovite > Chlorite > qtz > biotite. Unit is dominantly composed of muscovite with much lesser amounts of the above minerals. Chlorite is finely laminated, where biotite occurs as bands adjacent to qtz veins and as blebs. The blebs are relic andalusite xstals.					
						Qtz veins & bands occur, ranging in size from 0.5 cm to 8 cm. Carbonate is commonly associated with the veins. Fe Carbonate stringers & blebs are also present. Veins & stringers Xcut & // S ₂ foliations. TOI - EOI Core is slightly broken, Recovery is good.					

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	2075	2090		112	1101A	White-light grey qtz vein. Upper Contact is irregular and the bottom contact is // to S ₂ foliations. Chlorite fragments are caught up within vein. These fragments represent chloritized host rock. Above and below vein, host rocks contain abundant andalusite xstals which have been replaced by biotite.
L	2090	2118		113	11C18	Light Green-Grey Slightly siliceous Mica schist. This unit is the same as unit 11.
L	2118	2260		114	11C28	Light to Med grey slightly carbonaceous qtz Mica schist. Thin bands of qtz and muscovite // S ₂ foliations. Carbonaceous material is a minor constituent. Bands of biotite & chlorite appear to be replacing andalusite. The top 2' of the interval has S ² foliations which are extremely folded and messed up. This upper 2' section is characterized by numerous qtz veins and boudins as well as Fe-Carbonate stringers. Other qtz veins and boudins exist through the rest of the interval as well. Muscovite > qtz > chlorite > carbonaceous material > biotite. TOI - FOI Recovery is Good
L	2260	2350		115	1101B	Milk white-light grey qtz vein. Both upper & lower contacts are irregular. Py occurs along fractures in the vein. Between 228' and 229' a large clast or small finger of unit 14 exists. There are also many smaller clasts of host rock caught up in this vein. Clasts are generally quite silicified & chloritized. Fe Carbonate blebs are found associated with clasts.

Code	From	To	Recov.	No.	Unit	Description
	10	14 16	20 22 24 26 28	30	34 35	
L	1235.0	1245.5		116	11G2	Med to light Grey Slightly Carbonaceous Mica schist. Interval is slightly siliceous near TOI - 237.0'. Unit is similar to unit 14 except this unit is not as qtz rich. Muscovite is the dominant mineral with lesser amounts of qtz > Carbonaceous Material > chlorite > biotite. Biotite is found only near the EOI. Chlorite occurs as thin bands and as clots which may be relic andalusite? Qtz veins and boudins as well as iron-carbonate stringers are only minor features. At 240' an area of gouge occurs with S ₂ foliations above being almost // to the core axis and S ₂ foliations below being @ 63° to the core axis. This is good evidence for faulting along the gouged zone. TOI - EOI Core slightly broken & Recovery is good.
L	1245.5	1267.0		117	11D0	Med grey Slightly Carbonaceous Mica schist. Bands // to S ₂ foliations are composed of Biotite > Mica > Carbonaceous Material > chlorite. Chlorite occurs as thin bands and clots, the latter being relic andalusite xstals. Andalusite xstals are also partially replaced by biotite in some areas. Qtz veins with irregular contacts are abundant. The veins range in size from 0.25 cm to 6 cm. Qtz veins commonly have halos of chlorite, biotite and partially replaced andalusite. Yellow clay mineral bands often // S ₂ foliations as well as x-cut S ₂ in the form of stringers. TOI - EOI Recovery is good

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
	267.0	274.5			2A0	<p>brx 267-269 is 1D12 (hard, very dk grey noncalcareous phyllite)</p> <p>Ribbon banded graphitic quartzite. Bands defined by qtz / carbonaceous laminations. Pyrite ~5%, fine grained, patchy, associated w both qtz laminae and fractures.</p> <p>Top of unit starts in a qtz vein - no 104 material observed in hole above this unit. Base metal content is low (1-2% Pb+Zn). Bottom contact is gradational over 4-5' because of hole intersecting a primary strike slip fault (slicks noticeable at 274.5). Associated with this fault is breccia 2A0 with breccia 2F0. Core is very broken and white to grey mud gouge occurs at 274.5.</p> <p>TOI - 278 slightly broken along sz / 278 gouge (2A0) (4cm); top contact 40/000 / 278.3 - 276 nod broken incipient gouge at 275.0 / 276-276.5 rubble / 276.5 - EOI very broken with gouge at EOI → this last interval had a 40% pyrite content which is probably a result of brx pieces related to the flt. Flt plane @ EOI is sub vertical and carries gouge.</p>					
	274.5	284.5			2D0	<p>Pyritic quartzite. Top contact is marked by a fault and unit shows little or no carbonaceous content. Gouge occurs at both top and bottom contacts. Unit defined by qtz, pyrite ~20-30%. Pb+Zn ~7%. Unit dark grey. 52 surfaces are silvery grey & do not strongly mark fingers.</p> <p>Core is rubble and very broken w/ largest piece ~4 inches long</p>					

Recovery only 50%

Code	From		To		Recov.		No.		Unit		Description
	10	14 16	20	22 24	26	28	30	34 35			
	12814	5	12912	0					21F14		<p>Coarse-grained, dark brown, non-calcareous, pyritic massive 5" Buckshot texture w/ 1-2mm pyrite subhedral grains w/ interstitial dark brown sphalerite locally contains rare clasts of tan non-effervescent (10% HCl) carbonate up to 1cm across. Minor soft tan white mineral (non HCl reacting) filling steep fractures parallel core axis Estimated (Pb+Zn) = 10% locally slightly porous Core very broken & rubble, especially at EOT. TOI - 286.5 recovery OK // 286.5 - 291.5 3' recovery // 291.5 - 292 recovery OK but all rubble</p>
L	121912	0	121917	0					1D141		<p>GOUGE Recovery consist of the 2" ball of soft, white, non-calcareous gauge. Gauge has slippery talose feel. Driller has note in core box saying Mud Seam Recovery essentially 0%. Possible significant fault</p>
L	121917	0	13111	8					21D01		<p>Hard, non-calcareous, medium grey (wet), quartzic. SZ surfaces are pale grey w/ scattered silvery grey muscovite patches. Fine-grained disseminated reddish sphalerite in thin bands parallel SZ. - bands up to 1cm thick Estimated py content 5% Estimated (Pb+Zn) = 6% Unit very broken and rubble. Appears to be breaking along steep fractures running down core axis Locally fractures are slightly open TOI - 302 has 2.5' core w/ uppermost pieces extensive reground</p>

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20	22 24 26 28	30 34 35	
						pieces by drill // 302-307 1.2' of rubbery quartzite core // 307-312 5' recovery of very broken & rubbery core.
L	13111	131216	5		21C151	(2A0) 50:50 Medium dark to dark grey, hard, noncalcareous, ribbon-banded, carbonaceous quartzite. Upper and lower contacts appear gradational. Ribbon-banding delineated by white gtz w/ lesser medium-coarse disseminated pyrite. Banding parallel S2. Bands 1cm or less thick. Py content 10% Combined (Pb+Zn) = 3-4% At ESE have thin splashy quartz-galena vein. S2 surfaces dark silvery grey to shiny very dark grey. Light S2 poorly marks fingers & dark grey S2 strongly marks fingers. Core very broken but generally not rubbery. Recovery OK for interval.
	131216	131318	0		21D14	±5 (1D4) 95:05 Hard, noncalcareous, medium to pale grey, banded quartzite. Banding delineated by fine disseminated reddish sphalerite and locally by dark grey carbonaceous ribbon-banding. S2 surfaces generally quartz grey w/ silvery muscovite patches. Minor thin fractures essentially parallel core axis. Py content 5% or less (Pb+Zn) % = 9% Upper and lower contacts gradational into darker, more carbonaceous quartzite. At 3320 have 6" of soft, noncalcareous, off-white to very pale grey phyllite. Contacts parallel S2. TOI-329 recovery OK core very broken and locally rubbery // 329-331.5 very broken & rubbery w/ good recovery // 331.5-335.5

Code	From	To	Recov.	No.	Unit	Description	
I	10	14	16	20	22 24 26 28 30	34 35	core recovery OK - core very broken // 335.5-FOI core intact w/ some steep fractures which are open and/or filled w/ soft white mineral (clay?).
L	131318	0	131411	5		21A10	Hard, dark grey, noncalcareous, moderately pyritic, ribbon-banded carbonaceous gtzite. Ribbon-banding defined by 2-3cm pale grey gtz. w/ disseminated interstitial pyrite. Banding consists of 40-60% of unit. Py content 15-20% (Pb+Zn) ~ 3-4%. Upper contact gradational. Lower contact gradational w/ siliceous muscovite-quartz phyllite + gtz vein over 2 inch interval. Minor thin fractures parallel core axis are infilled w/ gtz - these are late (definitely post S2). S2 surfaces dark steely grey and moderately mark fingers. Core intact w/ good recovery.
L	131411	5	131512	7		11C1D14	(1D4) 90:10 Uppermost 1' is pale creamy grey, moderately soft, noncalcareous, muscovite-quartz schist. S2 surfaces cream w/ greenish tinge. Downhole grades rapidly to off-silvery grey, moderately soft, noncalcareous phyllite/schist. Schist has slight greyish tinge. Contains bands and lenses within S2 of dark grey relict biotite-andalusite. S2 surfaces are silvery grey. Core slightly broken / recovery good. Unit too grey for good 1D4 - can still see relict biotite-andalusite bands & clots.

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24 26 28	30	34 35	
	1315127	1316135			110219	(1CD4) 60:40 White, bull gte veins up to 2' thick. Veins contain minor thin inhabited infillings of pyrite, sphalerite, constituting up to 30% of vein locally. Between veins have moderately soft pale gray muscovite-quartz schist. PS2 foliated, noncalcareous, S2 surfaces are pale silvery gray. Can see minor, vague relict biotite-andalusite compositional banding. Unit more extensively altered than last unit immediately above. Upper contact marked by 1 st appearance of thicker gte veins lower contact sharp against S ² -rich bxn. Core intact to slightly broken. Recovery OK - Except 1' lost @ EOI
L	1316135	1316165			2H1314	BXA ± porous Fine-grained, dark brownish green massive, pyrrhotitic S ² contains abundant sphalerite and pyrite as fine-grained masses & sheaves Abundant siliceous clasts range down from maximum 6" across. Upper contact sharp - lost in rubble lower contact 90/000 - not parallel S2. Uppermost clasts phyllitic & change to slightly carbonaceous gte clasts as go down DDH. lower 1/3 of unit porous w/ thin bands weathering recessively. Core intact w/ good recovery. Estimated (Pb+Zn) = 9-12 %

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
	131616	5	131715	6					214191		
											Hard, dark grey, noncalcareous ribbon-banded, moderately pyritic, carbonaceous qtzite. Ribbon-banding marked by alternating qtz-pyg-sphal and dark grey, fine carbonaceous bands up to 1cm thick. Upper 1/2 of unit slightly porous w/ abundant pyrite infilling fine fractures. This pyrite has weathered recessively. Sphalerite + minor opq also infill these late post-S2 fractures. Pyrite content 20% Estimated grade 10% Pb+Zn. Lower contact sharp against qtz vein parallel S2. Core intact w/ good recovery.
	131715	6	131811	0					10141		(10009) 80:20
											Soft, noncalcareous, creamy muscovite-qtz schist. S2 surfaces silvery w/ slight greyish tinge. 6" qtz veins are white - w/ thin fractures infilled by galena. TOI - 378 moderately to very broken // 378-EOI varying broken & rubbly w/ incipient gouge. Recovery good.
											EOH

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description	
	Dip	Direct	Dip	Direct			Dip	Direct	Dip	Direct				
1	10	14	16	20	22	24	26	28	32	34	38	40	44	
					123	0	P1S12					615		Bands // to S ₂ foliations
					410	0	A S ₂					618		" "
					613	0	P1S12					615		" "
					718	6	P1S12					618		" "
					912	0	P1S12					715		" "
					11218	0	P1S12					715		" "
					1160	0	P1S12					615		" "
					11814	0	A S ₂					514		" "
					12102	0	P1S12					710		" "
					12513		A S ₂					713		" "

DDH 88F-13

CURRAGH RESOURCES INC.

Page 18 of 18

Logged by ASD

ASSAY LOG (SAMPLER'S COPY) Date _____ Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.	REC (m)		UNIT		DESCRIPTION							
	1	10	14	16			20	22	26	28	30	32	34	36	40	42	Pb+Zn	Pb
		121670		121745	427102	17.5						121A101			0.20	0.10	0.10	6
		121745		121845	427103	110.0						121D101						
		121845		121865	427104	12.0						121F141			11.05	5.17	5.88	84
		121865		121920	427105	15.5						121F141			11.77	5.56	6.21	94
		121970		121970	No Recovery							11111	No Recovery					
		121970		131045	427106	17.5						121D101			5.82	1.92	4.00	40
		131045		131118	427107	17.3						121D101						
		131118		131150	427108	13.2						121A101			1.57	0.55	1.02	20
		131150		131215	427109	16.5						121C151			2.36	1.65	1.71	52
		131215		131265	427110	15.0						121C151			4.32	2.35	1.97	48
		131265		131300	427111	13.5						121D141			6.18	2.44	3.74	62
		131300		131335	427112	13.5						121D141			8.24	3.98	4.26	138
		131335		131380	427113	14.5						121D141			6.88	2.44	4.44	72
		131380		131415	427114	13.5						121A101			3.90	1.07	2.83	4
		131415		131527	427115	11.2						11C1D14			0.67	0.03	0.64	4
		131527		131635	427116	10.8						1101Q11C D4						
		131635		131665	427117	13.0						8113141	BA		14.07	4.65	9.48	98
		131665		131720	427118	15.5						121A141			6.60	2.46	4.14	52
		131720		131756	427119	13.0						121A141			2.22	0.75	1.47	24
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						
		1111		1111								11111						

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-14

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION: 128+000
Claim:

MINE
Terr. Plane
Co-ords.: 7609.73 N

14798.54 E

Grid
Co-ords: _____

Elevation: 3790.60

All symmetry determinations looking

Total Depth: 447'

_____ with _____ dipping

Inclination: -65° @ 225°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data

Reason hole Terminated: Drilled through ore horizon into footwall.

Logged by: SBC/

Date(s) Logged: _____

Drilling Contractor: ARETIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped: <u>No</u>
NW	0'	4'	
NQ	4'	447'	

Assay Lab: CURRAGH

Certificate No's: _____

Started: Oct 2/88 Completed: Oct 4/88

CURRAGH RESOURCES INC.

DDH 88F-1A
2 8

Diamond Drill Core Log

Date: Oct 5/89 Logged By: SBC

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	88F-1A	3796.60	7609.73	14798.54	FEET	SZ						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments					
I	2	8	10	14	22	26	28	32	34	56
R	88F-1A	00	155.0	225.0	A.T. COLLAR					
	88F-1A	3250	158.0	229.0	SPERRY SUN					
	88F-1A	4250	159.0	235.0	SPERRY SUN					
		19	-165.0	270.0						
		325	-168.0	274.0						
		425	-169.0	280.0						

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

Code	From				To				Recov.				No.	Unit	Description
	10	14	16	20	22	24	26	28	30	34	35				
L	10	14	16	20	22	24	26	28	30	34	35		X1	Overburden No Recovery	
L	18.0												1012	3I13	Dark Med grey Highly siliceous, calcareous, carbonaceous quartzite? This unit is the same as unit 2 in hole 15. Extremely hard unit. The rocks are fine grained with dark bands and lighter bands // P _{S2} . The dark bands are composed of silicified carbonaceous material where the lighter bands are more siliceous with tremolite? TOI - EOI Extremely broken & Poor Recovery
L	11.0												1013	3G19	Med grey Carbonaceous Micaceous phyllite/schist. P _{S2} Foliations are not that prominent due to the lack of color variation blun bands. Unit is slightly chloritic with dark green bands and clots. Qtz veins are present towards the EOI and range in size from 1cm to 3cm. S ₂ foliation planes are shiny grey due to the carbonaceous content TOI - EOI Extremely broken with relatively good Recovery Py occurs along S ₂ foliation planes and fractures.
	20.0												1014	3G11	Light grey ^{slightly} siliceous Micaceous Phyllite, Lighter & Darker bands // P _{S2} . Lighter bands are dominantly Muscovite where darker bands are primarily chlorite. Muscovite > chlorite. Qtz veins x-cut and // P _{S2} . Chlorite occurs as blebs and bands. TOI to EOI Slightly broken w good Recovery

Code	From					To					Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28	30	34				
L	125.5		146.0									1015	11D128	- Med. Grey Carbonaceous Micaceous chloritic Phyllite. PS ₂ not that prominent due to lack of color variation in bands // to PS ₂ . Carbonaceous material > chlorite > Muscovite > biotite. Biotite only occurs in areas adjacent to qtz veins. Qtz veins // and cross-cut PS ₂ , they range in size from 1mm to 7cm. The larger veins have clasts of altered host rock caught up in them. Minor chiastolite xstals occur in carbonaceous bands. Py occurs diss along fracture planes and near qtz veins. @ EOI Fault gouge is present. TOI - EOI core slightly broken with excellent recovery.
L	146.0		157.0									1016	11C182	Light grey slightly Carbonaceous, siliceous, Micaceous phyllite/Schist. Again PS ₂ is paralleled by bands of different colors. This unit has a much smaller amount of Carbonaceous material compared to unit 5. Muscovite > chlorite > Carbonaceous material. Qtz veins from 0.5cm to 10cm // and x-cut PS ₂ . Small Fe Carbonate stringers also // and x-cut PS ₂ . Minor biotite salvages are found surrounding some qtz veins. @ 52' and at the EOI fault gouge occurs, associated brecciation and qtz veining occurs adjacent to these zones. TOI - EOI Excellent Recovery

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
L	57.0		108.5						107	11D101	Med grey Carbonaceous Micaceous Schist/phyllite. Bands // to PS ₂ are composed dominantly of Carbonaceous Material > Muscovite > Biotite > chlorite. Variations in these constituents vary along length of core. Biotite content tends to increase towards the EOI. Chlorite occurs as bands and clots, the clots may be relic andalusite xstals. Qtz veins & blobs xcut and // PS ₂ , size ranges from 1mm to 12 cm. Minor Fe carbonate stringers show similar relationships to the qtz veins. Again Py occurs along fractures. Fault gouge & broken core occurs @ 90.5', 93.5', 96.5' and from 98.5 to 100'. "Z" symmetry occurs in small scale folding of some qtz veins TOI - EOI Core is slightly broken in gouge areas but recovery is generally good.
L	108.5		124.5						108	11D101 Gouge	Med grey broken and gouged Carbonaceous, Micaceous, Phyllite/Schist. Carbonaceous material > Muscovite > chlorite. Biotite is negligible. Fault gouge and extremely broken core occurs btwn 108.5' & 110' and from 117' to 124.5'. A bdt qtz veins occur between the gouged intervals. These veins both x-cut & // PS ₂ TOI - EOI Recovery Good.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	11214.5	1137.0		109	11D10 GOUGE	Light grey badly broken and gouged slightly Carbonaceous Micaceous schist/Phyllite. Unit is highly altered with abot Fe Carbonate stringers. S ₂ foliations are not recognizable due to messed up nature of interval. Appears to be a clast dominated breccia with a fine clay matrix. Clasts are of 100 and qtz. The light color of unit may be due to leaching out of Carbonaceous material along permeable Fault zone. Qtz veins occur @ the EOI. Some S ₂ Foliation is preserved in the larger clasts. This unit & the above unit represent a major Fault zone TOI - EOI Recovery Good
L	1137.0	11510.5		110	11D12	Med grey Carbonaceous slightly chloritic schist. PS ₂ is not that distinctive due to lack of compositional banding, as well as brecciation and gouge in the lower half of unit. Carbonaceous material is the dominant constituent with lesser amounts of chlorite, qtz and muscovite. From 141' to 149' core is brecciated at top and is Fault mud gouge at bottom. Brecciated core contains clasts of qtz and 102. Clasts are hard to distinguish from matrix due to similar compositions and color. Minor qtz veins are present ranging in size from .5cm to 3cm. Veins // PS ₂ . One vein near EOI shows "Z" type symmetry. Py occurs in veins as well as along fractures Towards EOI carbonaceous material content decreases TOI - EOI Good recovery.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1150.5	1152.0		111	1D0	Light grey green micaceous schist / phyllite. Carbonaceous content of this unit is much less than above unit. PS_2 is paralleled by bands of Muscovite > chlorite > clay minerals? > carbonaceous material. Clay mineral? stringers x-cut PS_2 . The clay mineral is rusty orange in color and is non-calcareous & soft. This unit could be similar to above unit except with no carbonaceous material content.
L	1152.0	1168.0		112	1D0	Med. Grey Carbonaceous micaceous schist. Runds // to PS_2 are composed of Carbonaceous material > muscovite > chlorite > biotite. Chlorite also occurs in clots which are relic andalusite xstals. Biotite is rare, but does occur adjacent to gtz veins. Py is found along fracture planes associated with clay mineral? stringers Broken and gouged core occurs @ 154' and 162'. Qtz veins generally < 1cm wide occur occasionally, // to PS_2 Towards bottom of unit carbonaceous material content decreases TOI - EOI core is badly broken yet recovery is good.
L	1168.0	1181.5		113	1D0	Light green grey to med grey slightly carbonaceous highly altered broken schist. Interval ranges from carbon rich to carbon poor. Carbon rich areas are relatively unbroken and are distal from fault zones. Carbon poor areas may just be areas of alteration and leaching by fluids. From TOI to 171' core is highly broken and gouged. This interval is also the higher colored portion of unit. Carbon rich intervals occur btwn 171' and 174' and btwn 178' to EOI

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28	30 34 35	
				113		<p>In bleached phase the mineral assemblages are dominantly Muscovite + chlorite + qtz + Fe Carbonate. Where as in the unaltered phase carbonaceous material is the dominant constituent with the above minerals being present to a lesser degree. PS_2 is present in ungauged intervals and is enhanced by compositional bands // to PS_0.</p> <p>From 170' to EOI just below a dominant fault mud gouge the PS_2 // is the core axis.</p> <p>Py can be found diss. along fractures.</p> <p>TOI - FOI Extremely broken core with $\approx 80\%$ recovery</p>
L	1181.5	1243.0		114	11D11b	<p>Light grey Siliceous, slightly carbonaceous, micaceous schist. PS_2 is again enhanced by compositional light and dark banding with qtz > muscovite > chlorite > Carbonaceous material > biotite. Carbonaceous material is found primarily @ the TOI and again at the EOI, the middle part of the interval is dominantly carbonaceous material free.</p> <p>Andalusite crystals can be found throughout the interval with partial and complete replacement in some areas. Andalusite retrogrades to chlorite and biotite. Andalusite % increases towards the EOI.</p> <p>Biotite is a minor constituent and is found primarily adjacent to qtz veins, but shows increasing amounts towards the EOI.</p> <p>Qtz veins and boudins // PS_2 and range in size from .5cm to 3 cm. Fe Carbonate stringers are abundant</p>

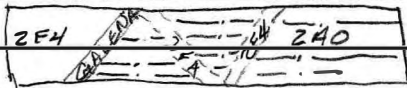
Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28	30 34 35	
				114		and x-cut PS_2 as well as qtz veins \therefore indicating a younger origin.
						Upper contact is fault bound where as the lower contact is gradational with the lower unit. Towards lower contact carbonaceous material and biotite increase.
						Broken and fault gouged core is present btwn 193.5' and 194.5', btwn 204' & 205.5' and @ 225' and 230'.
						TOI - EOI core is slightly broken and Recovery is good.
L	12316.0	12163.0		115	11D21	Dark to Med grey Carbonaceous siliceous Micaceous schist. [E1] Carbonaceous Material > qtz > Muscovite > biotite. Unit becomes progressively more carbonaceous as the base of the interval is approached. TOI contains biotite but it is not that significant. S_2 foliations enhanced by compositional banding // to S_2 . Biotite is found as selvages around some qtz veins. Qtz veins // S_2 foliations & range in size from .5cm to 15cm.
						Andalusite xstals from 1mm to 2cm are prevalent throughout interval. Andalusite xstals are often partially replaced by chlorite.
						-> Py is found along fractures and associated with qtz veins.
						-> Fe Carbonate stringers x-cutting S_2 foliations are present.
						A minor area of fault gouge is located at 259'.
						TOI - EOI Core is slightly broken w good recovery

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	263.0	275.0		116	11D01	Med grey slightly Carbonaceous Micaceous Schist, S ₂ foliations are paralleled by compositional bands Biotite > Muscovite > chlorite > Carbonaceous Material. Top 4' of interval is relatively Biotite poor and Carbonaceous Material rich. Top contact grades into upper unit. Andalusite xstals are found throughout interval. Xstals may be completely preserved, partially replaced or completely replaced. Replacement is by chlorite. Minor qtz veins // S ₂ foliations. TOI - EOI Core only slightly broken with excellent recovery
L	275.0	331.0		117	11D18	- Light green-grey slightly Carbonaceous Micaceous schist. The major mineral assemblage is chlorite > Muscovite > qtz > biotite > Carbonaceous Material > andalusite. This assemblage can vary throughout the interval. In general the interval becomes slightly more carbonaceous with depth and slightly less siliceous. Andalusite crystals are present. Preserved crystals are found as fine grained pinkish masses adjacent to qtz veins where as replaced and partially replaced crystals are found throughout the interval. Andalusite is replaced by chlorite. Qtz veins & bandings // S ₂ foliations, they contain minor Py. Again Fe Carbonate stringers are present, showing X-cutting relationships with P _{S2} and qtz veins. Towards EOI S ₂ foliation surfaces are shiny with a greasy feel. TOI is broken and slightly gouged. From 323 to 325' core is brecciated and slightly gouged. EOI is also marked by gouge. TOI EOI slightly broken core Excellent recovery

Lithologic Log

Date: Mar 15 Logged By: EB ①

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
		131310								11D194		
												White to light grey altered musc schist Foliation surfaces generally white talcish color & feel. Foliation thin & pronounced. Some fine grained pinkish andalusite x'tals preserved.
	131310	13190	180							12A103		
												Ribbon banded quartzite. Graphitic content decreases with depth. Has abundant lenses of pyrite but only minor Pb/Zn. Banding obvious but not as prominent as usual T01 - E01 slightly broken
	13190	13435								12D145	[2A3A]	
												Highly siliceous pyritic gtzite with minor graphite banding. Less distinct banding than above. Local bands of coarse grained pyrite with good Pb/Zn content. Pale grey in color with darker areas of graphitic material. Some jointing // to core axis. T01 - E01 Mod. broken

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
	134135	134165	130									121F14
												<p>Buckshot textured massive sulphides. Coarse grained pyrite in a Pb/Zn matrix @ 12-15%.</p> <p>Some clasts of 2C at top of interval. Bottom contact is erratic - ie next unit appears to be highly displaced breccia pieces surrounded by 2F4 and thin envelope of coarse grained galena. Galena // S2 but 2A0 below is // core axis!</p>
												<p>Top  Bottom.</p>
												T01 - E01 slightly broken - intact
	134165	135105	140									121A9.3
												<p>Ribbon banded graphitic Qtzite. Pyrite fine grained for most part but some 4-5 mm subhedral grains. Banding is parallel to core axis. Little if any Pb/Zn. Near bottom is 2-3 cm band of 2F at rt. angles to 2A banding. Bottom contact sharp but jagged and generally // to mineral banding and S2 below. - LARGE ROTATED CLAST?</p>
												T01 to E01 intact.

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
	13515		13530		125				12F4	(1D4) 95:5
										Buckshot textured massive sulphides. Coarse pyrite in Pb/Zn matrix as well as 2-5 cm Pb/Zn rich bands. Contains common clasts of banded randomly oriented 1D4? The clasts are multicolored but pervasively pinkish to brownish, well foliated, soft and altered non chloritic but slightly calcareous at least near their margins with the 2F.
										TOI - FOI basically intact.
	13530		13570		140				12H314	[2F47
										A mixture of massive phytitic sulphides and massive pyritic sulphides. There are abundant clasts of 2C associated with the phytite which appears to have been a vein-type intrusion into the sulphides. Pb/Zn content 10%+,
										Core intact
	13570		13610		140				12F4	(1D4) BXA 50:50 +7
										Massive pyritic sulphides within a breccia of quartzose graphitic phyllites. Very high grade but diluted 50% +/- by the phyllite. Also clasts of 2D. Some patches of phytite but not bands like above
										Core intact.

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
	131611	131675	1615							11D1149		
												Pale grey very siliceous graphitic quartz. Very distinct banding with a dip of 55-60°. Has many random fractures with pinkish brown to yellowish fillings. Some fractures unfilled with galena. Minor thin bands of pyrite & Pb/Zn may give it a 3-4% grade. Core slightly broken.
	131675	131770	1915							12H34		
												Highly phytotitic massive sulphides. Pyrite x-tals give mottled texture and are up to 0.5 cm. across. Matrix is Pb/Zn/Ps. Abundant clasts of quartzose material and altered metabasite especially at 369 and 371. Large orange weathered clast of 104 at contact with 2E. Core intact to slightly broken.
	131770	131913	1160							12F14	47	
												Buckshot textured massive sulphides. Coarse pyrite with Pb/Zn matrix. Clasts of 2CD and 2A are common with random orientation. Vuggy to porous 382-387. Core slightly broken.

Lithologic Log

Date: Mar 16/89 Logged By: ER (S)

Code	From	To	Recov.	No.	Unit	Description
1	10 14 16	20 22 24 26 28 30 34 35				
	139130	139140	1110		11DA19	
						Thin unit of 10A. Very rusty weathering/alteration. Has thin bands of sulphides. Very finely bxa at bottom contact with 2H. INACT.
	139140	140130	1910		14H134	
						Phyrotitic massive sulphides. Very fine grained Pb/Zn occurs as disseminations throughout at 10-12%. Sharp bottom contact with 2A. Contains clasts of sulphide bearing Qtzite and minor metabasite. Slightly broken core.
	140130	1413120	21910		12AD t3	
						Ribbon banded graphitic Qtzite. Banding quite distinct. Foliation surfaces typically black, shiny greasy-dirty. Pyrite fine grained; disseminated in siliceous layers. Only minor Pb/Zn. Bottom contact is BXA Qtz vein with phyrotite filling.
	1413120	1413A0	1710		11D102 +/-1	
						Banded Qtz biotite schist. Foliation surfaces light grey, micaceous. No sulphide present.

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-15

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION: 128+000

Claim: _____
MINE: _____
Terr. Plane Co-ords.: 7608.42 N

14796.85 E

Grid Co-ords: _____

Elevation: 3790.47

All symmetry determinations looking

Total Depth: 492'

_____ with _____ dipping

Inclination: -50 @ Az 225°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data

Reason hole Terminated: Drilled through ore horizon into footwall.

Logged by: SBC/

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size CORE From To Collar Cased and Capped: No
NQ 0' 492'

Assay Lab: CURRAGH

Certificate No's: _____

Started: Oct 4/88 Completed: Oct 6/88

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
	10.0	17.0		0101	X1	Over burden No Recovery						
L	17.0	17.0		0102	3I3	Med. grey Highly silicified (quite hard) carbonaceous & calcareous qtzite? S ₂ Foliations are defined by compositional bands of alternating qtz-carbonate and dark carbonaceous material (Graphite). qtz-carbonate veins From 1 to 2cm wide cross-cut the S ₂ foliations throughout this unit. EOI to TOI - Core is very broken with relatively poor Recovery						
L	17.0	35.5		0103	3G16	Med to Lt grey; Muscovite chlorite phyllite (moderately soft). PS ₂ is enhanced by Muscovite rich bands and chlorite rich bands. Py is diss. along PS ₂ planes. TOI - EOI - Core is very broken						
L	35.5	46.5		0104	3E9	Med grey, moderately soft Carbonaceous phyllite. PS ₂ is not well defined due to the lack of compositional banding. PS ₂ can be recognized in some areas where siliceous bands // PS ₂ are found. @ 43' there is a qtz vein with minor Py // PS ₂ TOI - EOI - again core is very broken						
L	46.5	84.5		0105	3G09	Med grey banded Micaceous qtzose phyllite. PS ₂ is defined by dark Micaceous bands and light qtzose bands // PS ₂ . Unit may be slightly carbonaceous indicated by its dark color & greasy feel. Unit dominantly composed of Muscovite-chlorite bands and qtz bands. Carbonaceous material is also found in dark bands. Chlorite clots are seen near the top of the interval and may be replaced andalusite xstals? qtz veins with minor carbonate content are found throughout the unit. Sizes range from 1mm to 10cm.						

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
							01015		13609			qtz veins // PS ₂ . Minor Py occurs along fracture planes. @ ~ 47' there is a broken area of core; From 81.5 to 83' core is very soft, broken and altered, this may indicate an area of movement (fault plane) TOI - EOI Good Recovery
L	84.5	86.0					01016		11010			White to light grey sacrose textured qtz vein, Minor diss Py ≤ 1%. Upper contact ~ // PS ₂ where bottom contact is irregular. Vein appears to be "along contact" between above unit and lower unit.
L	86.0	1015.8					01017		13619			Med grey-green to Med grey. Carbonaceous micaceous phyllite. PS ₂ is enhanced by compositional dark bands of carbonaceous material, chlorite & muscovite as well as lighter bands of more siliceous material. Top 3' of interval is more siliceous and bleached due to the emplacement of the qtz vein above. The rest of the unit is med grey. Chlorite clots with thin long axis // to PS ₂ may be remnant Andalusite xstls. These clots are a minor feature. Py occurs along fractures and PS ₂ planes. Fault gouge found @ 92.3' TOI - EOI Good Recovery
L	105.8	127.4					01018		13019			Med grey-green to brn-grey carbonaceous, micaceous quartzose phyllite? PS ₂ well preserved with // bands composed of muscovite chlorite biotite and minor carbonaceous material. Lighter bands // PS ₂ are composed of carbonate & qtz. Unit is very calcareous in some areas with abundant qtz-carbonate veins cross-cutting PS ₂ Veins range in size from 1mm to 5cm

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
						0108						Biotite is a major constituent in this unit. Chlorite > Biotite > Carbonaceous material; Chlorite clots with long axes // PS ₂ are also present to a minor extent & may be retrograde andalusite crystals. TOI ≈ 2' of Carbonaceous SA which is not that calcareous.
L	1127.4	1132.0				0109	359					Med to Light grey, appears to be bleached as compared to units above & below. Very soft & broken as well as altered. Unit may represent a minor fault zone. Unit is carbonaceous with Muscovite bands // to PS ₂ . Chlorite clots are also present and probably represent relic andalusite? Minor carbonate and clay mineral stringers occur through out unit.
L	1132.0	1141.8				0110	369					Medium Grey Carbonaceous, micaceous quartzose phyllite. Carbonaceous Material > chlorite > muscovite > biotite. Unit is most siliceous near the TOI where a number of qtz veins ranging in size from 1cm to 17cm cross cut & // PS ₂ . Py and Micaceous clots are found within the qtz veins. Py < 1% @ the FOI From 145' to 147' the core is soft and broken (Possible Fault gouge) Recovery Good
L	1141.8	1153.7				0111	318					- Med grey green calcareous quartzose phyllite. PS ₂ orientation is quite different compared to above unit ∴ may be further evidence to support overlying fault. PS ₂ is ≈ // to the core axis. Dark bands of chlorite > Biotite and lighter bands of qtz and carbonate // the PS ₂ . Minor qtz blobs and stringers from 1mm to 5mm cross-cut the PS ₂ . TOI - FOI unit is competent and Recovery is excellent

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24 26 28 30	34 35			
L	1153.7	1173.6		012	13619	Med. Gray Chlorite Muscovite quartz phyllite; PS ₂ is enhanced by compositional banding, where the dark bands are composed of chlorite > Muscovite with minor carbonaceous material and the light bands are dominantly qtz. A few qtz veins occur in interval (1cm to 5cm in size) These qtz veins // PS ₂ . A number of clay mineral stringers cross-cut PS ₂ . TOI is more broken than FOI and is more messed up with PS ₂ being "hard" to determine. The small clay stringers show cross-cutting relationships with the qtz veining ∴ indicating a younger origin. "Z" symmetry is seen in some qtz veins
L	1173.6	1175.4		013	11010	Buff white to white broken quartz vein, upper contact is // to PS ₂ while bottom contact is irregular. Minor Py found in veins. TOI - FOI broken core, Recovery Good
L	1175.4	1179.0		014	13619	Same as unit 12 except bottom 3' of interval is fault gouge and breccia with brecciated qtz veins. Recovery is good with ≈ 20% loss of core. Movement appears to be // to core axis?
L	1179.0	1180.5		015	11010	White qtz vein. Upper contact is brecciated where bottom contact is // to PS ₂ . Qtz has a sugary texture. Small inclusions of 361 are found in vein.
L	1180.5	1207.0		016	13619	Med gray chlorite Muscovite qtz phyllite. PS ₂ enhanced by dark chlorite > Muscovite > Carbonaceous material bands and light bands of dominantly qtz. Minor qtz stringers x-cutting PS ₂ . Riolite occurs in some areas // to qtz veins. From 188' to 189' area of apparent movement with broken

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
							Q116					core and Fault mud gouge. The fault plane is @ an angle of 008° from the core axis. Another area of broken core occurs at 192' to 193' this again may represent an area of movement.
												@ the EOI core is slightly lighter in color which may be due to bleaching related to an underlying fault.
L	207.0	211.0					Q117					Med grey Fault Mud gouge, 3G19 present as broken fragments in a clay mineral matrix. Gouge is very soft and composed of clay minerals. EOI Chlorite - muscovite qtz phyllite which is very broken and soft.
L	211.0	214.0					Q118					Med grey Chlorite muscovite qtz phyllite. Relatively unbroken, unit has chlorite clots present which could possibly be relict andalusite xstals?. PS ₂ is preserved and enhanced by light & dark compositional banding. Qtz calcite veins are prevalent near the EOI and both x-cut and // PS ₂ .
L	214.0	216.5					Q119					Lt green grey Chlorite - Muscovite - biotite - qtz phyllite. Lighter color than above units due to the lack of carbonaceous material. Carbonaceous material may have been leached from fluids flowing through fault zone. PS ₂ is again enhanced by compositional banding with the dark bands being Chlorite > Muscovite > biotite and the lighter bands qtz > carbonate.
												ToI core is broken & soft ∴ possibly a zone of movement. Qtz veins ranging from 0.5cm to 1.5cm // and x-cut PS ₂ .
												@ 224' another zone of soft extremely broken core ∴ possible zone of movement

Code	From	To	Recov.	No.	Unit	Description
L	2126.5	2137.0		0120	3G10	Med. grey brecciated fault mud gouge. Interval is composed mostly of a clay mineral matrix with fragments of qtz vein and altered Chlorite - Muscovite phyllite. Core is very soft and can be broken by hand. TOI - EOI Represents an area of a large fault.
L	2137.0	2140.5		0121	11010	White to Lt grey qtz. 2/3 of interval is qtz vein with 1/3 being broken possibly gouged 3G9. Contacts above and below are irregular. This may be the bottom of the above fault zone. Minor Py occurs along fractures in the qtz veins.
L	2140.5	2189.0		0122	11C18	Lt to Med grey Muscovite Chlorite biotite qtz schist. This unit is of a higher Metamorphic grade than the above units as indicated by larger grain sizes. Biotite occurs as needle like growths in a ground mass of Muscovite. Dark bands of Muscovite > chlorite > biotite and lighter bands of qtz and clay minerals // the P ₂ foliations. Occasional chlorite clots occur through out interval and may represent relic andalusite. Minor qtz veins x-cut P ₂ as well as // it. Soft broken core intervals occur btwn. 242.5' & 243.5' as well as 269.5' & 270.5' and btwn 285' & 285.5'. These broken intervals probably indicate fault movement. TOT - EOI Recovery is Good
L	2189.0	2128.0		0123	11D18	[IEO] Near EOI Dark-med grey Carbonaceous Muscovite biotite chlorite Schist. Carbonaceous material > Muscovite > biotite > chlorite. P ₂ is well preserved & distinguished by different compositional

Code	From	To	Recov.	No.	Unit	Description						
I	10	14	16	20	22	24	26	28	30	34	35	
L							01213					bands // to PS_2 . Lense shaped chlorite clots are found through out the interval and are most likely relic andalusite xstals. Qtz veins and blobs are seen throughout the interval and range in size from 1mm to 6cm in width. Qtz veins are often halbed by biotite & // PS_2 . Py is found along fractures but is not a major constituent. Towards the EOI Graphitic schist is interlayered with the 1DB unit. TOI-EOI Very good Recovery
L	1308.0	1341.8					01214	31A1				Med to dark Grey slightly silicious graphitic schist, PS_2 foliations are // to bands of Carbonaceous Material & silicious material. A few Qtz veins from 1mm to 2cm // the PS_2 foliations. An area of Fault gouge & breccia is present btwn 339' and 340'. TOI-EOI Core is fractured in a paper chip manner // to PS_2 . Rock is Relatively soft. Again lower boundary is gradual into underlying unit
L	1341.8	1353.2					01215	11C82				Lt. brown-grey slightly Carbonaceous biotite chlorite Muscovite quartzose schist Dark bands of Biotite > chlorite > Muscovite and lighter Qtz rich bands // PS_2 . Minor Qtz veins // PS_2 and range in size from 2mm to 20mm Minor diss Py < 1% is found in the Qtz veins. Qtz veins tend to have halos of coarser grained biotite and chlorite around them. Small clay mineral? (May be Fe carbonate) stringers

Code	From	To	Recov.	No.	Unit	Description						
I	10	14	16	20	22	24	26	28	30	34	35	
							0215					Show x-cutting relationships with the qtz veins & PS ₂ . Carbonaceous material is present but to a lesser extent than the micaceous minerals. The bottom contact grades into the next unit which has only a negligible amount of carbonaceous material. TOI - FOI Excellent Recovery
L	353.2	374.5					0216	1D0				Light grey brown micaceous andalusite schist. Bands of chlorite > muscovite > biotite // PS ₂ . Towards the FOI Fe carbonate bands // PS ₂ . Iron carbonate stringers x-cut PS ₂ as well. Chlorite clots with their long axes // to PS ₂ are prevalent & are most likely relic andalusite. Subhedral andalusite crystals are present in qtz rich areas. Brecciated and broken qtz veins range in size from .5 cm to 5 cm, again these veins are surrounded by a halo of biotite & chlorite. Minor Py is found in these qtz veins. Carbonaceous material is negligible. Fault gouge is present from 358' to 358.5', it is light green in color and is very soft and powdery. From 369 to 372 the PS ₂ foliations are not really well defined due to slight brecciation of the unit. The lower contact of this unit grades into a unit with negligible biotite and increasing iron carbonate content. TOI-FOI Good Recovery
L	374.5	385.0					0217	1C8				Light green quartzose micaceous schist. Light green bands of chlorite > muscovite and light grey to white bands of qtz // PS ₂ . No biotite or carbonaceous material is present in this interval. Fe carbonate bands running // to PS ₂ are very abdt, as well as Fe carbonate stringers which show

Code	From	To	Recov.	No.	Unit	Description
1	10 14 16	20 22 24	26 28 30	34 35		
				09217		x-cutting relationships with S ₂ foliations and qtz veins. Abundant qtz veins // to P _{S2} are present throughout unit and they range in size from .5cm to 5cm, Minor Py occurs in veins. @ 380' a small (~5cm) dyke? cross cuts the core @ high angles. This dyke? has an intrusive contact and contains clasts of the surrounding rock as well as qtz and carbonaceous unit. The contact is rimed by iron carbonate and qtz. The composition of this dyke appears to be intermediate possibly dacite, it is fine to med grained and contains some Py <1%. TOI - FOI Excellent Recovery
L	1318.5.0	1411.6.0		09218	1D101	Med Gray Carbonaceous Micaceous schist. (slightly siliceous areas). // to P _{S2} is bands of carbonaceous material > chlorite > muscovite and light bands of qtz. Occasional blebs of lenticular chlorite occur which may be relic andalusite xstals. Biotite content is negligible. Qtz veins are common and range in size from 1mm to 3cm. Qtz veins mostly // P _{S2} . Small pink andalusite xstals occur rarely. Fe carbonate? stringers // and xcut P _{S2} as well as xcut qtz veins. Fe carbonate bands // P _{S2} as well. From 394 to 396.5' the core is brecciated and soft indicating a possible fault zone. The breccia is clast dominant in a fine grained micaceous matrix. No S ₂ foliation is present in the brecciated zone. Towards the FOI rocks become altered with a dominantly Qtz + Muscovite assemblage. P _{S2} planes are shiny silver. TOI - FOI Core is slightly broken but recovery is still good.

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
		41160							1218		11D10	
												light grey qtz mica phyllite with carbony banding S ₂ surfaces light mica - shiny. S ₂ prominent at 50° to core axis. Slightly altered near bottom
	141160	141170		110					1219		11D10	
												Quartz vein with breccia pieces of 1D0 and infilling of coarse galena.
	141170	141180		110					1310		11D12	
												Very carbonaceous qtz graphite shist. Prominent S ₂ No noticeable sulphides.
	141180	142165		185					131		12C13	
												Highly fractured & healed breccia of light grey qtzite within a matrix of pyrite? - very rusty weathering metallic of ten unrescent non magnetic. E01 is brecciated as well with large 6-8 cm blocks of ZC in 2F. Unit is Pb/Zn pod. T01 - E01 slightly broken

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
	14265		14425		220		1312			12F14	Coarse grained massive sulphides - pyrite - Zn - Pb Unit contains clasts of ZC throughout. Buckshot Texture entire length. Very minor occurrences of metabasite < 2cm at 441 & 446 TOI - 434 slightly broken, 434-441 mod. broken " 1-444 slightly broken 444 - EOI highly broken
	14485		14495		110		1313			11H4	+ B Very highly altered white to greenish shist. Very nearly mud in texture. Soft & friable. Consists of talc, mica & chlorite alter'n. with some fine grained pyrite. Rec'y good.
	14495		14530		1315		1314			12F4	BXA Massive sulphides with clasts of ZC and veins of metabasite. Slightly finer grained than above and with less Pb/Zn. TOI - EOI broken
	14530		14645		1115		1315			2A0	Thinly banded grey & black graphitic quartzite. S2 surfaces black greasy & dirty. Light quartzose layers host minor sulphides. These layers also have small auger like textures. S2 dip of 50°

Code	From	To	Recov.	No.	Unit	Description
	14164.5	14165.5	110	1316	11101Q	(2H) 50:50
						Above unit is truncated by 6 inches of white massive quartz fractured and filled with Pyrophyllite which in turn becomes dominant for 6 inches
	14165.5	14181.0	155	1317	111012	
						Siliceous, barren of sulphides, banded schist/phyllite. Banding less distinct than above due to lesser color variations. Foliation surfaces light shiny grey - more micaceous than graphitic. Some minor chlorite alter'n on surfaces.
						TOI - EOI Slightly broken.
L	14181.0	14184.5		1318	111010	Buff-white Qtz Muscovite schist. Qtz & Muscovite band // PS2 slight iron staining due to small percentage of disc Py < 2%. Contacts top & bottom are sharp.
						TOI - EOI Slightly broke with excellent Recovery
L	14184.5	14192.0		1319	121011	Light grey slightly carbonaceous Qtz Muscovite garnet schist PS2 distinct due to variation in color btwn bands. Garnets are found in the more siliceous areas. Garnets range in size from 1mm to 5mm and occur as bumps along the S2 foliation surfaces.
						Qtz veins occur and are ~ 1 to 3 cm wide. Qtz veins appear to // PS2. Py occurs in the Qtz veins. Garnets and Py often occur adjacent to many of the Qtz veins.
						TOI to EOH: Core is only slightly broken and Recovery is excellent.

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 88F-16

Reference Fabric Orientation Diagram:

Project: FARO UNDERGROUND

Location: FARO PIT (SW)

SECTION Claim: 126+000

MINE Terr. Plane Co-ords.: 7507.36 N

14305.50 E

Grid Co-ords: _____

Elevation: 3995.17

All symmetry determinations looking

Total Depth: 726'

_____ with _____ dipping

Inclination: -90°

_____ with dip azimuth _____.

Purpose: To better delineate U/G reserves - gain geotechnical data

Reason hole Terminated: Drilled through ore horizon into footwall.

Logged by: SBC/

Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Size	CORE From	To	Collar Cased and Capped:
NW	0'	14'	<u>No</u>
NQ	14'	726'	

Assay Lab: CURRAGH

Certificate No's: _____

Started: Oct 6/88 Completed: Oct 11/88

Code	From	To	Recov.	No.	Unit	Description					
	10	14	20	22	24	26	28	30	34	35	
	10.0	14.0	10.0	1	X	Overburden					
L	14.0	75.0		2	3, B, S, Z	- Greenish grey, fine to med. grained chloritic phyllite, Unit is characterized by carbonate stringers (bands) // to S ₂ Foliation, minor qtz veinlets. Some carbonate bands crosscut S ₂ foliations and appear along the majority of fractures, Chlorite layers and siliceous layers give core a banded appearance, these layers // S ₂ foliation. Minor Py blobs also occur. Chlorite > biotite. Recovery is generally good with an interval btwn 32' & 36' being broken and soft.					
L	75.0	178.0		3	3, D, S, I	- Brown/green banded Calc-silicate, med. grained, Bands which // S ₂ foliation show Biotite > Calc-silicate Minerals w/ abdt carbonate stringers. Qtz veins up to 5cm // S ₂ foliation, veins are a minor feature, Minor carbonate stringers crosscut S ₂ foliation more or less // to core axis, Variability within the unit exists, with Biotite, Calc-silicate and Carbonate percentages changing from interval to interval. Generally the carbonate content of the rocks decreases with increasing depth; carbonate content may however increase in areas of possible faulting & associated fracturing. → 83' to 89' broken core with possible gauge @ 85.5' (Recovery Good) → 119' to 138' broken core with gauge @ 131' → 149' small qtz band ~ 3cm					
	178.0	180.0		4	3, D, S, I, 3	- Med grey highly calcareous Calc-silicate, Bands are dominantly carbonate and chlorite/muscovite. Rocks above and below unit have higher biotite content & are also quite calcareous. S ₂ foliation appears to be broken and fractured.					

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
L	11810.0	12018.5		15	131D151	- Same as unit No 3 above						
L	12018.5	12118.0			131D157	- Med grey banded highly calcareous Calc-silicate, Bands // S ₂ Foliation and are composed of light carbonates and light green chlorite/Muscovite. Biotite rich bands are not abundant in this interval. → @ ≈ 216' there is gouge present and rocks a few feet above and below are broken and altered, (Recovery is Good)						
L	12118.0	12319.0		16	131D152	- Med grey-green banded Calc-silicate, Band // S ₂ Foliation and are composed of carbonate, chlorite & Biotite. Carbonate bands are less prevalent than above units and are especially sparse in the lower part of this unit. - @ the base of this unit is a large qtz carbonate band // to S ₂ Foliation ≈ 10 cm wide.						
L	12319.0	12412.5		17	131D151	- Med grey-green banded Calc-silicate; Bands // to S ₂ Foliation. Carbonate bands in this interval are not as abundant as in above units, bands are composed mostly of Biotite and Chlorite. This unit seems to have a higher qtz content than above units. Carbonate stringers cross-cut Foliation in some areas. - qtz-carbonate veins (bands) occur // to S ₂ @ 246' & 254.5' - @ 269' & 277' there are breccias present with Calc-silicate being brecciated & incorporated into qtz carbonate veins - Finely disseminated Py and lesser Po is found throughout this unit.						

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	292.5	303.0		18	3G59	- Banded medium grey-green Quartz-muscovite chlorite biotite phyllite. Similar to above units except this unit is more carbonaceous and less calcareous. Bands are composed of biotite, chlorite muscovite, qtz, and carbonaceous material; Minor carbonate stringers are present as well as diss. Py & Po < 1%
L	303.0	304.5		19	3D57	- Banded Lt gn-gy calc-silicate; Bands are composed of chlorite muscovite and qtz-carbonate; Some radiating Lt green crystals are also present and may be actinolite; Unit is highly calcareous.
L	304.5	308.0		110	3G51	→ Banded brn-gn Chlorite-biotite qtz muscovite phyllite; Some minor carbonaceous and calcareous bands also present. Top contact is gradational with upper unit. Bottom contact is sharp and is marked by an increase in carbonaceous material. Chlorite > biotite > Muscovite. Carbonaceous material is very minor. TOI-EOI Recovery is excellent
L	308.0	317.0		111	1421	- Med grey banded Siliceous Carbonaceous Micaceous phyllite/schist. Banding is compositional with biotite & Graphite forming the dark bands and more siliceous material forming the lighter bands. Compositional bands are // to S ₂ foliation surfaces. Biotite > Carbonaceous Material > qtz > chlorite. Chlorite occurs as blobs which may be relic andalusite. Upper and lower contacts are sharp and are marked by the lack of carbonaceous material. Minor milky white qtz stringers x-cut S ₂ foliations. TOI-EOI Recovery is excellent.

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
L	3117.0		3127.0					112		31D51	Med green-brown Calcareous Micaceous phyllite. Banded appearance due to compositional bands chlorite > biotite > muscovite. Bands // S ₂ foliations. Minor calcareous bands but rock has a calcareous component through out. Minor actinolite? bands are present near qtz rich bands. Qtz carbonate stringers x-cut, S ₂ foliations. Bottom contact is sharp and is marked by the absence of carbonate and the occurrence of Carbonaceous material. From 325' to EOI unit is highly calcareous. Broken soft core @ 325' may indicate zone of minor movement. TOI EOI Recovery Excellent.
L	3127.0		3141.0					113		11D01	Med grey-brown Carbonaceous Micaceous Schist/Phyllite. Compositional bands of Carbonaceous material > biotite. Muscovite is thinly laminated with the darker minerals. Banding is // to S ₂ foliation planes. Chlorite blebs are present and they may be relic andalusite xstals. Qtz bands are also present and are thinly laminated. Minor milky white qtz stringers tend to x-cut S ₂ foliations. EOI broken and slightly more graphitic w minor gouge. TOI EOI Recovery Excellent.
L	3141.0		3146.5					113		11H11	Light green Micaceous Schist. Chlorite is the dominant mineral composition of this interval. S ₂ foliations are exemplified by chlorite & qtz rich bands. Minor Biotite band occur, these bands are soft & highly altered. Small scale folding can

Code	From		To		Recov.		No.		Unit		Description
	10	14 16	20	22 24	26	28	30	34 35			
L							113				be seen in the S ₂ foliations. These small scale folds show "Z" symmetry. Minor carbonate stringers x cut S ₂ foliations. FOI is highly broken with minor gouge. TOI FOI Broken core but recovery is still good
L	346.5	357.0					114	11C182			Light grey green slightly carbonaceous micaceous schist/phyllite. Bands // to S ₂ foliations are composed of Muscovite > chlorite > Carbonaceous material. S ₂ foliations are not distinguishable in some parts of the interval due to broken nature of core. Abundant qtz carbonate veins are present. The veins x-cut S ₂ foliations and range in size from 1mm to 2.5 cm. Interval appears to be altered. TOI-FOI core is extremely broken with abundant areas of gouge. Interval may represent fault zone. Recovery good.
L	357.0	423.5					115	11C01			Light buff-grey Siliceous Micaceous Schist. Compositional bands define S ₂ foliation. Bands are composed of Muscovite > qtz > biotite > chlorite. Chlorite occurs as bands as well as clots. These clots may be relic andalusite xstals. The long axes of the clots are // to S ₂ foliations. Minor buff qtz veins are present. These veins run more or less // to S ₂ foliations. Veins range in size from 1cm to 3 cm. Py is found along the margins of the larger veins. Some of the veins have blobs of Fe-carbonate within them.

Code	From		To		Recov.				No.		Unit	Description
	10	14	16	20	22	24	26	28	30	34		
										15		Towards the base of the interval Carbonaceous material begins to occur. [1C2]
												Broken core occurs between 402' and 407' @ 406' core is brecciated.
												TOI - EOI Core slightly broken & recovery is good.
												Calcareous
L	4123.5	4127.5								16	31D18	Light green-grey slightly siliceous micaceous schist. Compositional bands once again define S ₂ foliation. Dark bands are composed primarily of chlorite whereas lighter bands are composed of Qtz-Carb. and Muscovite. Muscovite > Chlorite > Qtz-Carbonate. Carbonate is found throughout the rock as well as in small stringers x-cutting S ₂ foliations. No biotite is present in this interval. Top and bottom contacts are sharp.
												TOI to EOI core is slightly broken & Recovery is good.
L	4127.5	4132.0								17	3A1	Med. grey Carbonaceous slightly siliceous schist. Banded appearance due to dark carbonaceous & light siliceous bands // to S ₂ foliation. Very thin bands < 1mm in most cases. Slightly calcareous towards the EOI. Qtz-Carbonate stringers and blobs x-cut PS ₂ as well as // it. Py occurs diss along some fractures < 1%.
												TOI to EOI Recovery Excellent.

Code	From	To	Recov.	No.	Unit	Description
1	10 14 16 20 22 24 26 28 30 34 35					
L	432.0	442.0		118	1111	Light grey green siliceous micaceous schist. Green color is due to high chlorite content of interval. Qtz > chlorite > Muscovite. Interval is very finely laminated with bands of chlorite + muscovite & more siliceous bands // to the S ₂ foliations. Qtz-carbonate stringers are found throughout the entire interval. Qtz veins and blobs also occur. Straight Qtz veins tend to // S ₂ foliations whereas Qtz-carbonate stringers show x-cutting relationships. The TOI is slightly calcareous. Just below the calcareous interval is a carbonaceous interval. Py is found diss along fractures throughout the unit. TOI-EOI slightly broken core with excellent recovery
L	442.0	457.0		119	1110	Light green micaceous schist. Very chloritic with chlorite > biotite. Siliceous and calcareous areas are also present. Calcareous intervals are located near EOI. S ₂ foliations are discrete due to lack of colour variations between bands. S ₂ foliations where present are defined by chlorite-biotite bands and more siliceous bands. Qtz veins are minor in this interval but where present they // S ₂ foliations. Carbonate stringers show x-cutting relationships with S ₂ foliations. Py is found diss along fractures. This unit is not as siliceous as above unit and is much greener than above units. Top & bottom contacts are sharp. From 452' to EOI the core is extremely broken and S ₂ foliations are all messed up. TOI-EOI Recovery good

Code	From		To		Recov.			No.			Unit	Description
	10	14 16	20	22 24	26	28	30	34	35			
L	4517.0	477.5					120			11C58	<p>Med grey banded slightly carbonaceous qtz mica schist. Compositional banding is // to S₂ foliations. Qtz > Biotite > Muscovite > Chlorite > Carbonaceous Material. Variations in mineral abundance occurs throughout the interval. A chlorite rich area occurs between 460' to 461'. This unit (chloritic unit) is also slightly calcareous. Qtz veins are abundant usually // to S₂ foliations. Veins range in size from 0.5cm to 3cm. Qtz veins are often bordered by chlorite selvages. Minor small scale folding of qtz veins and S₂ foliations (F₂) show "Z" symmetry. Minor andalusite relicts occur in more carbonaceous areas. Py again occurs along fracture planes. Fault gouge occurs @ 462'. Fe Carbonate stringers x-cut S₂ foliations.</p> <p>TOI - EOI Core is very broken but recovery is still good</p>	
L	477.5	513.5					121			11C51	<p>Light grey buff-banded slightly siliceous mica schist. Compositional bands // S₂ foliations. Bands are composed of Muscovite > Biotite > qtz. Light & dark bands are thin with maximum thickness of 0.25cm. Minor Qtz veins // S₂ foliations. Fe Carbonate stringers are also a minor feature.</p> <p>From 480.0 to 486.5' the core is extremely broken and gouged, this could represent a zone of faulting</p> <p>TOI - EOI Core slightly broken in some areas but recovery is very good.</p>	

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24 26 28 30	34 35		
L	5113.5	5161.0		212	1101	Med grey Carbonaceous Mica schist. Thin compositional bands // S ₂ foliations. Bands are composed of Muscovite > Biotite > Carbonaceous material. The interval is also slightly chloritic and silicified. Biotite occurs as thin bands or as lath like xstals on S ₂ foliation planes. Chlorite forms thin bands and clots, the later being possible relic andalusite. Qtz veins are abundant, they often // S ₂ foliations. The veins are commonly associated with chlorite and biotite rich selvages. Minor diss Py occurs with some veins. Qtz blobs are also common. Late stage Fe-carbonate stringers are again found. Upper contact of the interval is sharp & located just below an area of extremely broken core & a qtz vein (possibly minor movement). The bottom contact is gradational with carbonaceous content becoming less. TOI-EOI Core slightly broken w excellent Recovery.
L	5161.0	5178.0		213	1102	Light grey-buff Micaceous schist. This interval is similar to above unit, except carbonaceous content is next to nil. Muscovite > biotite > chlorite. Unit is also slightly siliceous. The relic andalusite xstals are also a minor feature in this interval. TOI EOI Recovery is excellent.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1578.0	1610.5		24	1D2	Med to Dark grey Carbonaceous Mica Schist. Compositional bands are // to S ₂ foliations. Light & dark bands are composed of Micas & graphite respectively. In highly carbonaceous areas S ₂ foliations are not that distinctive due to lack of color variation between bands. Abundant chiastolite crystals occur throughout the unit. Crystals are Euhedral and range in size from 2mm to 2cm along their length. The TOI is biotite and Muscovite rich grading into a graphite rich interval. The EOI becomes more siliceous with depth. Upper & lower contacts are sharp and are marked by the occurrence and absence of carbonaceous material respectively. Minor Qtz veins // to S ₂ foliations are also present. TOI - EOI - Good Recovery
L	1610.5	1623.0		25	1C2	Light grey - buff Slightly Carbonaceous Mica Schist. Compositional bands are // to S ₂ foliations. Carbonaceous content increases with depth but never becomes a major constituent. Biotite > Muscovite > chlorite > Carbonaceous material. Andalusite crystals are partially or completely replaced by chlorite. Andalusite crystals are not a major mineral phase in this interval. Qtz veins and blobs // to S ₂ have some druse. Py associated with them. Minor Fe Carbonate stringers x-cutting S ₂ foliations are also present. TOI to EOI Recovery is Good.

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28	30 34 35	
L	6,23.0	6,24.0		26	1,0,0	Light grey-white qtz vein. Minor Py disc. within vein and also in surrounding host rock. Upper contact is // to S ₂ foliations where the bottom contact x-cuts S ₂ .
L	6,24.0	6,27.0		27	1,0,0	Med grey Carbonaceous Mica schist. Compositional banding is between Muscovite bands and graphitic bands. Graphite also occurs as blebs within the Muscovite bands. Muscovite > Carbonaceous Material. Minor qtz veins // and x-cutting S ₂ foliations are present. Py is found in silicified areas, usually < 1%. The lower contact is broken and may represent an area of movement. TOI - EOI Recovery is excellent.
L	6,27.0	6,34.5		28	1,0,0	Buff Mica schist. S ₂ foliations are defined by thin bands of Muscovite > biotite. Orangey-buff bands of possible Fe Carbonate? also parallel S ₂ foliations. Chlorite is present in small amounts and is found mostly adjacent to silicified areas. Biotite occurs as thin laminations as well as in blebs & blebs. Where biotite blebs & blebs exist the S ₂ foliations are quite deformed and hard to distinguish. @ ~ 362' a qtz vein ~ 8cm wide exists. The contacts of the qtz vein are bordered by chlorite as well as pinkish andalusite xstals. Py is also found along the edges. TOI is bound by a Pyritic gouge. TOI - EOI Recovery is Excellent

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
L	1634.5	1637.0		129	1101Q	Smoky white qtz vein. Contacts above and below are // to S ₂ foliations. Py occurs diss throughout vein. Host rocks do not appear to be altered in any way. TOI - EOI Core is highly broken but Recovery is still good.
L	1637.0	1659.0		130	140	Med. grey slightly carbonaceous garnet bearing Mica schist. S ₂ foliations are paralleled by light and dark bands. The light bands being composed of dominantly muscovite & chlorite and the dark bands of biotite and carbonaceous material. Orangy buff bands of Fe carbonate? or clay minerals? also // S ₂ foliations. Muscovite > Biotite > chlorite > carbonaceous material. Garnets are found in certain intervals throughout the unit. The garnets occur as bumps on the S ₂ foliation planes. Garnets appear to be more prevalent towards the EOI, but they also occur near the TOI. Minor qtz veins & Iron carbonate stringers are present. The TOI is characterized by areas of broken soft core. TOI EOI Recovery is good.
L	1659.0	1660.0		131	1101F	Buff qtz Monzonite Dyke? Extremely altered and broken core. Rock is very fine grained & mineral composition is hard to determine. Contacts are hard to determine due to broken nature of core.
L	1660.0	1667.0		132	1101O	Med grey carbonaceous Mica schist. Interval is the same as unit 30 except this interval is broken & gouged from TOI to the EOI indicating fault movement. Recovery is still very good.

Lithologic Log

Date: Mar 14 Logged By: ES

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20	22 24 26 28	30 34 35	
L	161617.0	16169.5		133	11D11	- Bleached [100] Quite SiO ₂ rich well banded - both compositional and coloring - phyllite. Non-calcareous. Common yellowish bands 1-2 mm highlight S ₂ . Very minor Pyrite blebs throughout. Minor xstals of andalusite or other pinkish mineral. S ₂ normal to core axis
	1649.5	16712.0	125		11D12	[2A3] Dark carbonaceous qtz-bis-pyritic phyllite. Compositional banding finer and less distinct than next unit. Sharp well defined contact with unit above. Pyrite disseminated and as thin bands. S ₂ surfaces marked by micaceous bands - not overly dirty (graphitic). No Pb or Zn observed. TOI - EOL slightly broken on mica surfaces.
	16712.0	16912.5	201.0		12A0	[1D219] Ribbon banded graphitic gneiss. Pyrite common in bands & patches. Dark grey to black. S ₂ surfaces black & greasy. Core quite broken both on S ₂ and along a plane of weakness // to core axis. Some highly distorted S ₁ at 679 Little if any Pb/Zn.

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
											last foot brecciated & healed - highly contorted.
											T01 - E01 moderately to highly broken
	169125	169150	125		12D9	+/-4					
											Fine grained pyritic quartzite with some Pb/Zn Appears to be massive but badly broken last foot is rubble. light grey to brassy where pyrite is high. Pb/Zn finely disseminated @ \approx 3-5%.
											T01 - 694 broken 694 - E01 rubble.
	169150	17040	190		12F0	C2FAJ (BXA)					
											Coarse grained pyritic massive sulphides. Subhedral pyrite in matrix of Pb+Zn. Unit is quite brecciated with clasts of sulphides within sulphides. Boundaries marked by slight color variations. Some leaching has taken place leaving vugs in core. Also some vug filling with BaSO ₄ . S ₂ poorly developed or absent.
											T01 - 698 broken, 698 - 700 mod. broken 700 - E01 broken
											Pb+Zn to \approx 8%

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
	71040	71070	130		12D10	[2C4] 9 minor					
						Light grey to buff quartzite with patches & stringers of sulphides. Common steep dipping fracture fillings of yellowish material. Hard and massive with poorly defined S ₂ .					
						Lower contact distinct but very wuggy and marked by 2-4 cm of phyllite. Appears welded. Contains breccia clasts of rock from this unit & below					
						T01 - E01 intact.					
	71070	71150	180		12A10	[2A4]					
						Ribbon banded graphitic sttite with minor sulphides					
						T01 very highly contorted then prevalent S ₂ at 10° to core axis, i.e. flat dip. Compositional & color banding distinct. S ₂ surfaces very black & greasy					
						Qtz bands more competent. Sulphides minor as thin bands and fine gr. disseminations. Qtz veining along relict fractures is common.					
						T01 - E01 slightly broken					
	71150	72160	1110		11D10	[1C2]					
						Well banded phyllite with biotite blotches after andalusite. Some Breccia at 716. Minor carb bands highlight S ₂ . Core breaks on buff shiny micaceous surfaces					
						T01 - E01 - slightly broken					

Code	From	To	Feature	SYM	S ₀		S ₁		S ₂		Description	
					Dip	Direct.	Dip	Direct.	Dip	Direct.		
1	10	14 16	20	22 24	26	28	32	34	38	40	44	
			121.0	P ₁ S ₁ 2						6.7		S ₂ Foliation
			131.0	P ₁ S ₁ 2						7.2		"
			167.0	P ₁ S ₁ 2						6.0		"
			192.0	P ₁ S ₁ 2						6.6		"
			1109.0	P ₁ S ₁ 2						7.0		"
			1115.0	P ₁ S ₁ 2						7.0		Qtz Vein // S ₂
			1141.0	P ₁ S ₁ 2						7.5		S ₂ Foliation
			1160.0	P ₁ S ₁ 2						7.0		"
			1181.5	P ₁ S ₁ 2						7.2		"
			1206.0	P ₁ S ₁ 2						6.6		"
			1223.0	P ₁ S ₁ 2						6.8		"
			1240.0	P ₁ S ₁ 2						7.5		"
			1257.0	P ₁ S ₁ 2						7.0		"
			1277.0	P ₁ S ₁ 2						7.0		"
			1286.0	P ₁ S ₁ 2						6.6		"
			1304.0	P ₁ S ₁ 2						6.8		"
			1328.0	P ₁ S ₁ 2						6.8		"
			1336.0	P ₁ S ₁ 2						7.6		"
			1361.0	P ₁ S ₁ 2						7.6		"
			1393.0	P ₁ S ₁ 2						6.5		"
			1411.2	P ₁ S ₁ 2						7.2		"
			1421.9	P ₁ S ₁ 2						6.8		"
			1457.0	P ₁ S ₁ 2						7.8		"
			1477.0	P ₁ S ₁ 2						7.6		"
			1501.3	P ₁ S ₁ 2						6.8		"
			1547.6	P ₁ S ₁ 2						6.7		"
			1584.0	P ₁ S ₁ 2						6.2		"
			1613.0	P ₁ S ₁ 2						6.3		"
			1622	P ₁ S ₁ 2						7.9		"
			1648	P ₁ S ₁ 2						8.5		"
			1657	P ₁ S ₁ 2						8.0		"

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE		INTR.	REC (m)	UNIT	ASSAY RESULTS							
	10	14	18	20	22	28				30	32	36	40	42	Pb	Zn	Ag
	1345		1346		428105		1		2A101								
	1348		1354		18106		15		2A101	0.82	1.25	10					2.65
	1356		1362		18107		16		2A101	0.41	0.95	9					2.62
	1370		1374		18108		14		2A101	0.75	1.86	24					2.78
	1374		1378		18109		14		2A101	1.52	4.05	32					2.72
	1378		1384		18110		15		2A101	2.13	5.33	21					2.74
	1384		1390		18111		15		2A101	1.55	5.04	21					2.91
	1389		1394		18112		15		2A101	1.80	3.15	20					3.10
	1394		1399		18113		15		2A101	1.08	2.72	10					2.56
	1399		1405		18114		16		2A101	1.35	2.40	17					2.58
	1405		1409		18115		14		2A101	1.18	1.89	22					2.64
	1409		1413		18116		14		2A101	0.75	2.22	21					2.36
	1413		1417		18117		13		2A101	0.63	1.65	27					2.51
	1417		1422		18118		15		2A101	0.08	0.33	1					2.58
	1422		1427		18119		15		2A101	0.03	0.08	11					2.67
	1427		1430		1820		13		2A101	0.26	0.51	15					2.57
	1430		1435		1821		15		2A101	0.18	0.68	20					2.44
	1435		1438		1822		13		2A101	0.13	0.57	18					2.52
	1438		1442		1823		14		2A101	0.01	0.21	22					2.49
	1442		1447		42824		15		2A101	0.14	0.78	22					

ASSAY LOG (SAMPLER'S COPY)

Date Sept 26/88 Sampled by

CODE	FROM		TO		SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION								
	10	14	16	20						22	26	28	30	32	34	36	40
	29.8		32		42881	73		2E4	(2H14) (2C5) 85:10:5 bxa								
	32		37		882	15		2E4	"								
	37		41		883	4		2E4	"								
	41		45		884	4		2E4	"								
	45		51		885	16		2A0									
	51		57		42886	16		2A0									
									Assay Results								
									Pb	Zn	Ag	Pb+Zn	S.G.				
									 	 	 	 	 				
									 	 	 	 	 				
									 	 	 	 	 				
									 	 	 	 	 				
									42885	16		2A0	1.70	3.26	14		2.8
									42886	16		2A0					

88 F-16

669.5
669.5 672
672 692.5

1D0 phyllite
1D2 phyllite
2A0 [1D219]
lower part oxidized as approach major
fault. No grade

692.5 704.0

2F bxa
only massive S⁼ in DDH clasts of
S⁼ in S⁼
6-8% (Pb+Zn)

704.0

707.5

2D

some veins & fracture fillings of
galena & sp. py
4-6% Pb+Zn

707.5

715.0

2A0 → 2A4

ribbon banded

grade 3-4% combined

715.0

726

1CD

297
312

88F-15

418.0

1D02 (1D4)

becomes progressively harder as go down
DDH interbanded off-white &
dark grey

418.0

426.5

2C0 ± 3 ± 7

no grade present. lower content
bxa with massive S² - clots of 2C
in S² contain abundant Pb
in irregular stringers & fracture fillings
(possible fault at EOT? - heavy grade
w/ intact core)

426.5

448.5
 $\frac{24}{22}$

2F4

12-15% (Pb+Zn)
good buckshot texture.
locally has 2C clots in it

448.5

449.5

1H4

1' of highly altered metabasite

449.5

453.0

2F bxa

still contains buckshot texture.
clots of quartz, metabasite, S²
(Pb+Zn) = 7%

483

464.5

2A0

no grade

38F-15

464.5

481

1D12

not good ribbon banding. Definitely
hard/siliceous

481.0

484.0

1D4

484.0

1D0

88F-14

331.0

1D04

331.0

339.0

2A0 ± 3

grade 3%
locally contains pyritic bands

339.0

343.5

2A3 ± 4

contains thin bands of high
grade buckshot 2FD within
the more typical ribbon banded
grade.
estimated grade 6-7% Pb+Zn

343.5

346.5

2F4

contains clasts of 2AC contact
w/ 2A at high angle to P52
fltn.
12-15% Pb+Zn.

346.5

~~350.5~~
~~356.2~~

2A0

P52 goes down core axis —
quite different from 52 above
ore body in phyllite.
no grade.
large rotated (i.e. post P2) clast
in 2F?

350.5
~~355.5~~

353.0

2F4

good buckshot texture
15% Pb+Zn

353.0

361.0

2F4 (2H34) (1D4)

buckshot texture 2F w/ irregular
margin pyrrhotic bra. Bra contains
abundant goose clots of extremely
high grade
grade 15-20% combined.

361.0

367.5

1D149

middle zone see horizon. pale
cream. extremely siliceous.
grade 2% Pb+Zn

367.5

377.5

2H51

high grade pyrrhotic ore. good
buckshot texture w/ pyrite subhedral to
euhedral grains to 0.5 cm across
clasts of metabas. + quartz
grade 15-20% Pb+Zn
but not readily visible.
possibly 10% combined?

377.5

393.0

2F4

12-15% Pb+Zn coarse
buckshot texture

393.0

403.0

2434

fine-grained porphyritic ore w/
clasts of metabasite & gneiss ore.
clasts have 5% w/ random
orientations.

12% (Pb+Zn)

403.0

432.0

240

~~est. 10% Pb 3-4% Zn~~

432.0

439.0

1002 ± 1

439.

—

104

Picture #

FILM 1

1 - Pull H. 88F-03 from 283 to 326.5
(boxes 14 & 15)

2 - ODH 88F-03 from 326.5 to 365.5
(boxes 16 & 17)

3 - 88F-02 from 14.8 to 57.9 boxes 1 and 2

4 - 88F-01 from 26.8 to 69.2 boxes 2 and 3

5 - 88F-01 from 69.2 to 89.7 boxes 4 and 5

6 - 88F-04 from 305.7 to 344.0 boxes 17 and 18

7 - 88F-04 from 344.0 to 381.5 boxes 19 and 20

FILM 2

PICTURE #

1 - 88F-05 from 166.0 to 200.4 boxes 9 and 10

2 - 88F-05 from 200.4 to 237.0 boxes 11 and 12

3 - 88F-07 from 345.0 to 401.2 boxes 17, 18 and 19

4 - 88F-08 from 334.7 to 373.0 boxes 17 and 18

5 - 88F-08 from 373.0 to 410.4 boxes 19 and 20

6 - 88F-08 from 410.4 to 463.2 boxes 21, 22 and 23

7 - 88F-11 from 386.6 to 425.7 boxes 21 and 22

8 - 88F-11 from 425.7 to 462 boxes 23 and 24