

CREAGH BH 3

LONMIN

NIRE- 

From (m): 8.87

To (m): 30.00

Direction: 000

Angle: 90

Core Size	From (m)	To (m)
PQ <input checked="" type="checkbox"/>	8.87	30.00
HQ <input type="checkbox"/>		
NQ <input type="checkbox"/>		
NQ2 <input type="checkbox"/>		
BQ <input type="checkbox"/>		
AQ <input type="checkbox"/>		

Project:
Northern Ireland
Easting: 309509
Northing: 422616

Scale: 1:100cm
Date Logged: 10/9/13
Logged By: KIERAN PARKER

Sampled By:
Date Sampled:
Input By:

Drilling Co: MEEHAN DRILLING Lead Driller:

Rig: RC

Depth(m)	Lithology	Recovery	G/S	Struct.	RQD	Mineralisation	PXRf	MAG	Sampled	Geological Description					
										Mineralogy	Texture	Colour	Alteration	Fabric	Jointing
1-8.87	OVERBURDEN									OVERBURDEN 1.30M RECOVERED COMPOSED OF MOIST DARK BROWN CLAY WITH ABUNDANT BASALTIC CLASTS + BOULDERS					
8.87										8.87M START OF BEDROCK					
8.87-11.30		100%				POSSIBLE GORNYE?		MODERATE		DARK GREY SLIGHTLY WEATHERED GABBRO. SPECKLED TEXTURE OLIVINE, PHENOCRYST, PLAGIOCLASE - OLIVINE SERPENTINISED + AS EUMEDRAL PHENOCRYSTS. QUITE BRITTLE WITH HORIZONS BROKEN TO CLASTS. RARE AMYGOALS. 9.30-10.50M - VERTICAL FRACTURE TO CORE AXIS (T.C.A) WITH FeO STAINING AT MARGINS.					
11.30-15.54		100%						MODERATE TO STRONG		DARK GREY OLIVINE DOLERITE - SPECKLED TEXTURE. SOLID CORE - RARE VEINS + AMYGOALS. OLIVINE PARTLY ALTERED TO SERPENTINITE MINOR TALC FILLED VUGS (0.2-1.0cm) INDISTINCT CONTACT AT TOP BECAME FINER GRAINED - SHARP CONTACT AT BASE - PERPENDICULAR T.C.A					
15.54-18.30		100%				WT		WEAK		15.54M DARK BLACK FG BASALT - SLIGHT RED AT TOP. WEATHERED THROUGHOUT - LATERISED IN UPPER 90CM. LARGE AMYGOALS - MOST WEATHERED OUT. CORE BRITTLE CONTACT AT BASE 85° T.C.A					
18.30-19.53		100%						MODERATE		18.30M DARK GREY FG DOLERITE - SPECKLED TEXTURE WITH OLIVINE PHENOCRYSTS. CURVED VERTICAL (T.C.A) FRACTURE NEAR BASE. FeO STAINING 19.53M CONTACT 85° PERPENDICULAR T.C.A					
19.53-23.30		100%				AMYG - 10%-30% WT		MODERATE TO WEAK		DARK GREY AMYGOALOIDAL BASALT WITH WEATHERED TOP + BASE					
23.30-25.80		23.1						MODERATE		23.30M COARSER MATERIAL - POSSIBLE INTRUSION OR COARSING TOWARDS CENTER - NO OBVIOUS CONTACT. OLIVINE PHENOCRYSTS ALTERED					
25.80-26.68						AMYG - 5%-10% WT				25.80M SHARP - PERPENDICULAR T.C.A - CONTACT AT BASE.					
26.68-28.6		100%				AMYG - 5%-20% WT		STRONG		26.68M DARK GREY / BLACK FG AMYGOALOIDAL BASALT. WEATHERED AT TOP GRADING TO FRESH MATERIAL AMYGOALS 0.5cm - 3cm SPECKLED TEXTURE AT CENTER OLIVINE PHENOCRYSTS - PARTLY SERPENTINISED.					
28.6-30.00															

K. Park 10/9/13

Date: 10/9/13 Time: 10:00 AM

CREAGH BH 3

LONMIN

NIRE- [Diagrams]

From (m): 30.00

To (m): 42.10

Direction:

Angle:

Core Size	From (m)	To (m)
PQ	30.00	42.10
HQ		
NQ		
NQ2		
BQ		
AQ		

Project: Northern Ireland

Scale: 1:100cm

Sampled By:

Easting: 309509

Date Logged: 10/9/13

Date Sampled:

Northing: 422616

Logged By: Kieran Parker

Input By:

Drilling Co: MEEHAN DRILLING Lead Driller:

Rig:

Coring RC

Depth (m)	Lithology	Recovery	G/S	Struct.	RQD	Mineralisation	PXRF	MAG	Sampled	Geological Description				
										Mineralogy	Texture	Colour	Alteration	Fabric
3	✓✓✓✓	100%						MODERATE		DARK GREY FG BASALT - SPECKLED TEXTURE COARSENS WITH DEPTH RARE CaCO ₃ VEINS 20° T.C.A OLIVINE PHENOCRYSTS.				
32.46	✓✓✓✓	95%		AM46				MODERATE		32.46m DARK MG DOLOMITE - SPECKLED BRITTLE IN PLACES - TOWARDS CENTER - ANGLE OF CONTACT PERPENDICULAR T.C.A				
2	✓✓✓✓							MODERATE		DARK GREY FG BASALT - SPECKLED TEXTURE. MINOR CaCO ₃ VEINLETS TOWARDS BASE. SEVERAL LARGE SUB ANGULAR TALL FILLED VUGS SIGNS OF FLUID PATHWAYS IN CORE - PARALLEL - 30° T.C.A				
37.22	✓✓✓✓									HEMATITE ON VEINS / JOINTS / FRACTURES TOWARDS BASE WITH ALTERATION TO WALL ROCK. WEATHERED BASE 37.22m CLAY WITH FLINT HORIZON - VERY BAKED LARGE FLINT CLASTS (> 14cm) 38.30-40.60m - 10cm CORE RECOVERED (FLINT)				
1	○ ○	75%								CORE LOSS PHREATOMAGMATIC ERUPTION				
42.10	○ ○									FLINT CLASTS (ANGULAR) CLAY NOT RECOVERED. 42.10m END OF BOREHOLE K. Parker 10/9/13				
										DALRADIAN METASEDIMENT				

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