

# ROCK CORE LOG

Project **gINT Example**  
 Location **N978,753.584/E437,494.752**  
 Driller **I. Core**  
 Hole Orientation **Vertical**

Method **BQ3 Diamond Drill**  
 Logged By **A. Bore**

Elevation **671.42m**  
 Dates **2002-03-27**  
 Date **2002-04-01**

Drilling Details	Depth (m)	Core Recovery (%)	Core Condition	Discontinuity Spacing	R.Q.D. (%)	Intact Rock Strength (MPa)	Weathering	Structural Discontinuity Description	Unconf. Comp. Strength (MPa)	Rock Mass Description	Tests	
Coring Started at 5.18m												
	6	89	Broken - Solid V. Broken Broken - Solid	4.8 N/A 6.3	64	R2	F - SW	Joint, 65°, U, R Joint, 25°, U, R	10	Dark grey-black, fine-grained, BASALT, scoriaceous, calcified or iron stained joints.  Grey-medium grey, fine-grained, BASALT, highly vesicular from 7.15m to 10.0  Light grey, fine-grained, LITHIC TUFF.		
	7	105	Broken - Solid Broken - V. Broken	2 5.1	43	R2 R2-R3	F - SW	Joint, 5°, U, R				
	8	59	Broken - V. Broken	8.8	21	R2-R3	F - SW	Joint, 55°, U, R	15			
	9	73	Broken - V. Broken	8.8	11	R3	F - SW	Joint, 50°, P, K Joint, 45°, P, SM Joint, 55°, P, SM	25			
	10	57	Solid - Broken	6.9	56	R3		Joint, 22°, U, R	30			
	11					R2	F					
	12										11.55 END OF HOLE	
	13											

**CORE RECOVERY**

$$\frac{\text{Length of core}}{\text{core run}} \times 100$$

**R.Q.D.**

$$\frac{\text{Sum core lengths} > 100\text{mm}}{\text{length of core run}} \times 100$$

**DISCONTINUITY SPACING**  
No. of fractures/m

Unconfined Compressive Strength (qu) derived from Point Load Strength Index Test (PLSI)

**ROCK STRENGTH (MPa)**

- R0 Extremely weak <1
- R1 Very weak 1-5
- R2 Weak 5-25
- R3 Medium strong 25-50
- R4 Strong 50-100
- R5 Very strong 100-250
- R6 Extremely strong >250

**WEATHERING**

- F Fresh
- SW Slightly
- MW Moderately
- HW Highly
- CW Completely
- RS Residual Soil

**FILE No.**

**AB-CD-12**

**PREPARED By:**

**Y. Me**

**SHEET 1 of 1**