

SOME CLASSIFICATION TABLES

ROCK FEATURES		
CLASS	Foliation anisotropy factor fA	Weathering factor fW
Little or no	1 - 1.2	1
Fair	1.2 - 1.5	1,75
Moderate	1.5 - 2	2,5
High	2 - 2.5	10
Very high	> 2.5	

ROCK STRENGTH			
CLASS	Compressive strength σ_c	Point load strength Is	Comment
	< 0.25 MPa		Soil
Extremely low	0.25 - 1 MPa		
Very low	1 - 5 MPa	< 1 MPa	
Low	5 - 25 MPa	1 - 2 MPa	
Medium	25 - 50 MPa	2 - 4 MPa	
High	50 - 100 MPa	4 - 8 MPa	
Very high	100 - 200 MPa	> 8 MPa	
Extremely high	> 200 MPa		

DEGREE OF JOINTING / BLOCK SIZE / SOIL PARTICLE SIZE					
VOLUMETRIC JOINT COUNT		(ROCK) BLOCK VOLUME		SOIL PARTICLES	
CLASS	Jv	CLASS	Vb	SIZE	VOLUME
Extremely low	< 0.3	Extremely large	>1000 m3		
Very low	0.3 - 1	Very large	30 - 1000 m3		
Low	1 - 3	Large	1 - 30 m3		
Moderately high	3 - 10	Moderate	0.03 - 1 m3	Blocks	> 0.1 m3
High	10 - 30	Small	1 - 30 dm3	Boulder	5 - 100 dm3
Very high	30 - 100	Very small	0,03 - 1 dm3	Cobbles	0.1 - 5 dm3
Extremely high	> 100	Extremely small	< 30 cm3	Coarse gravel	5 - 100 cm3

ROCK MASS INDEX	
CLASS	RMi
Extremely low	< 0.001
Very low	0.001 - 0.01
Low	0.01 - 0.1
Moderately high	0.1 - 1
High	1 - 10
Very high	10 - 100
Extremely high	> 100