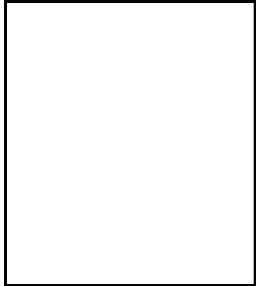


Unconfined compression test		
Location	Job ref.	
	Borehole/Pit no.	
Soil description	Sample No.	
	Depth	m
	Date	

Test method	BS1377: Part 7: 1990 7.2	
Type of specimen	Undisturbed/compacted*	Nominal diameter mm

Preparation procedure			
Specimen details	Initially	After test	Sketch showing specimen location in original sample
Diameter D mm		Mass g	
Area A_o mm ²		Dry mass g	
Length L_o mm		Moisture	
Volume cm ³		Content %	
Mass g			
Density Mg/m ³			

Compression test			
Machine no.		Rate of deformation mm/min	
Force device no.		Mean calibration N/division	Stress factor kPa/division
Deformation gauge reading	Compression of specimen ΔL mm	Strain $e = \frac{\Delta L}{L_o}$	Force gauge reading
			Axial force p N
			Corrected area $A = \frac{A_o}{1-e}$ mm ²
			Axial stress $\sigma_1 = \frac{1000P}{A}$ kPa

Sketch of failure conditions inclination of shear surface		Maximum axial stress kPa
		Axial strain at failure %
		Unconfined compressive strength q_u kPa
Operator		Checked
		Approved

* Delete as appropriate

