

# Contents

	Page
Introduction	1
Materials tested	1
Mineralogy	1
Grain size	1
Standard Proctor and Modified Proctor densities	5
Minimum and maximum densities	5
Test procedure	5
Specimen preparation	5
Membranes and drainage	12
Saturation	12
Confining pressure	12
Axial loading	13
Data reduction	13
Test results	13
Stress – strain and volumetric strain during shear	13
Failure stresses and friction angles	13
Summary of results	16
References	23
Appendix – Detailed test results tables and figures	24