

REPORT

Earthquake Commission

Christchurch Earthquake Recovery
Geotechnical Factual Report
Papanui
Appendix E:
Laboratory Testing



Tonkin & Taylor

ENVIRONMENTAL AND ENGINEERING CONSULTANTS



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Report prepared for:
EARTHQUAKE COMMISSION



Report prepared by:
Tonkin & Taylor LTD

Distribution:
EARTHQUAKE COMMISSION
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Applicability

This report was produced for the Earthquake Commission (EOC) to assist in assessing insurance claims made under the Earthquake Commission Act 1993. This report is not intended for any other purpose. It is recognised, however, that this report may assist central and local government planning for effective long-term solutions for the affected communities. Neither Tonkin & Taylor Ltd (T&T) nor the Earthquake Commission accepts any liability to any third party with respect to this report.

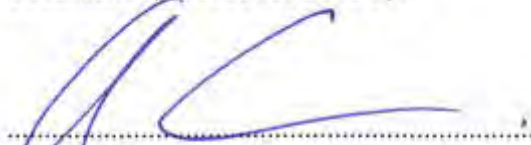
Limitations

This document is released for general information purposes only and should only be used for design purposes by appropriately qualified and experienced Scientists, Geologists and/or Professional Engineers.

All of the data and information which is contained in this document may only be used for the purposes of recovery and repair of land and building damage associated with the Canterbury Earthquakes (04 September 2010 and 22 February 2011).

This report comprises a main body and separate appendices which must be read in their entirety and are to be used in conjunction with each other.

Document approved for issue by:



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Anthony Fairclough
Project Director

Appendix E: Laboratory Test Results

Summary Sheet – Papanui PAI 48

a) Fines content

Borehole ID	Depth of Sample
BH-PAI-01	5.30
BH-PAI-01	8.85
BH-PAI-01	12.45
BH-PAI-01	17.20

b) Particle size distribution

Borehole ID	Depth of Sample
BH-PAI-01	3.00
BH-PAI-01	11.10

Insufficient quantities of sample were made available to the laboratory to enable particle size distribution analysis to be made. Refer to Laboratory Test Results.




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LAB REF: 508/11
JOB NO: 650494.003

CHRISTCHURCH 2011 EARTHQUAKE REMEDIATION	
LABORATORY TEST RESULTS	
LOCATION: Papanui	BOREHOLE: BH-PAI-01

SAMPLE NO	TEST RESULTS		
	PSD	FINES CONTENT %	WATER CONTENT %
PSDWS-3.0*	N/A	91.21	40.7
FC-5.3	N/A	12.46	20.2
FC-8.85	N/A	48.42	20.3
*PSDWS-11.1	N/A	96.57	29.4
FC-12.45	N/A	14.55	20.1
FC-17.2	N/A	19.47	21.7
*Insufficient sample for PSD test			

CHECKED:	
DATE:	12/08/11



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