

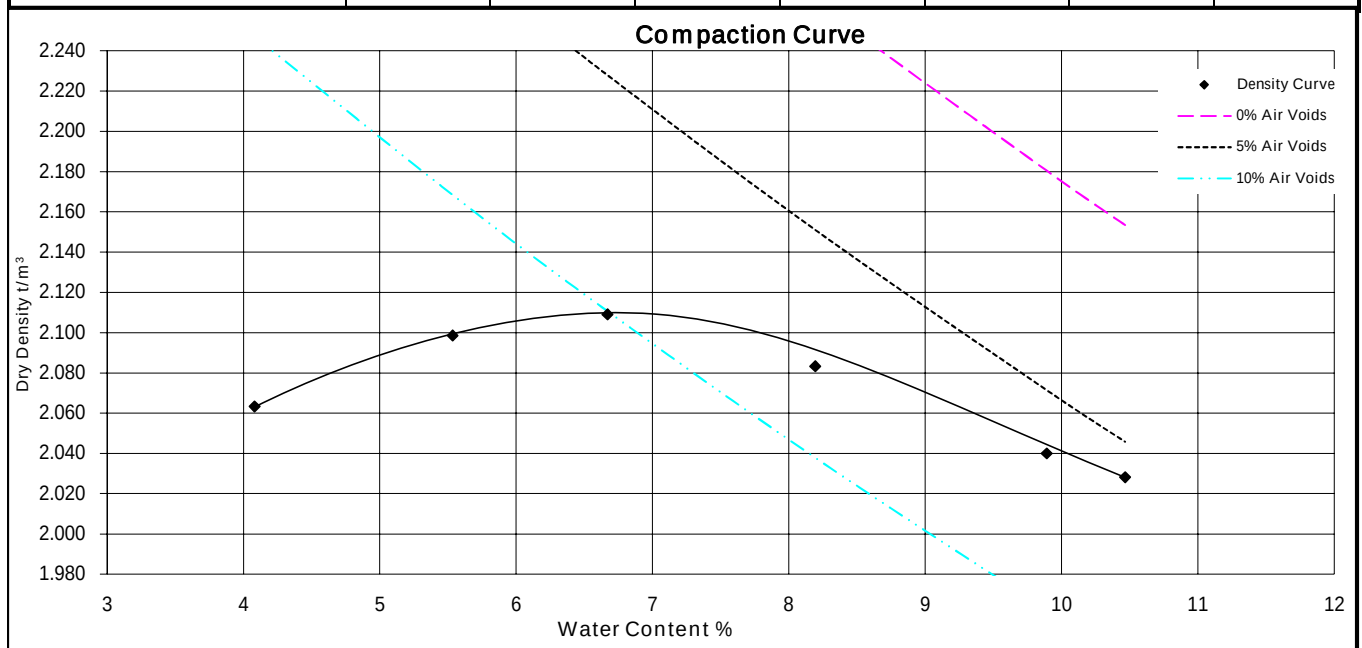
**DRY DENSITY / WATER CONTENT RELATIONSHIP
VIBRATING COMPACTION**



Project : Quality Assurance
 Location : Quarry Stockpile
 Client : Taupō Scoria Ltd
 Contractor : N/a
 Sampled by : Walter Goldsmith (client)
 Date sampled : 29/06/26
 Sampling method : NZS4407:2015, 2.4.6.3.2
 Sample description : AP40
 Sample condition : Wet
 Solid density : 2.78 t/m³ (Assumed)
 Source : Taupō Scoria

Project No : -
 Lab Ref No : RT9146
 Client Ref No : -

Test Results							
Maximum dry density	2.10	t/m³	Natural water content			8.2	%
Optimum water content	7	%	Fraction tested			Whole soil	
Sample ID	-3	-2	-1	Nat	2	3	
Bulk density t/m³	2.148	2.215	2.250	2.254	2.242	2.240	
Water content %	4.1	5.5	6.7	8.2	9.9	10.5	
Dry density t/m³	2.063	2.099	2.109	2.083	2.040	2.028	



Test Methods	Notes
Compaction NZS 4402 : 1986 : Test 4.1.3	All information supplied by Client

Date tested : 09/07/26
 Date reported : 15/07/26

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Approved Signatory

Designation : Senior Civil Engineering Technician
 Date : 15/07/26



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation