

295 Blenheim Road Upper Riccarton Christchurch 8041 www.pdp.co.nz

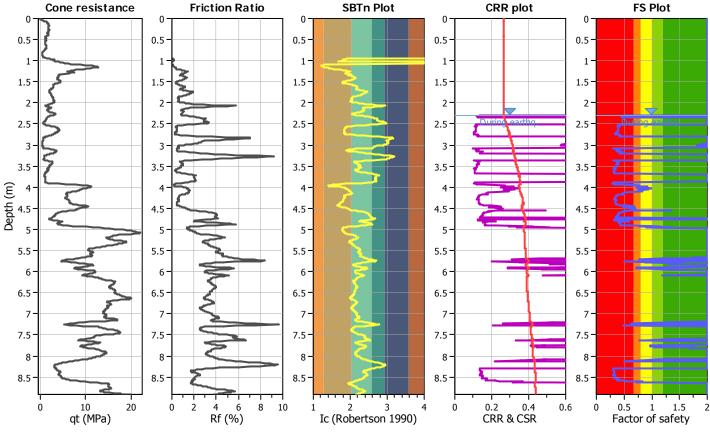
LIQUEFACTION ANALYSIS REPORT

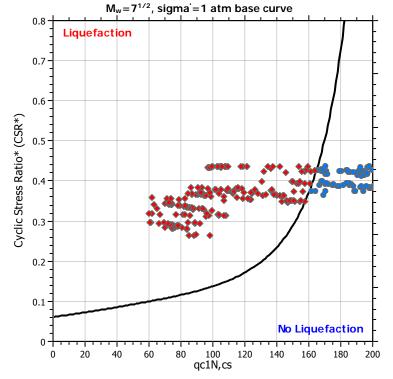
Project title: 24 - 26 Hutt Road Location: Thorndon, Wellington

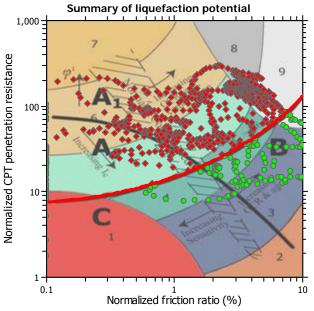
CPT file : CPT_02

Input parameters and analysis data

Analysis method: B&I (2014) G.W.T. (in-situ): 2.30 m Use fill: No Clay like behavior Fines correction method: B&I (2014) G.W.T. (earthq.): 2.30 m Fill height: N/A applied: Sand & Clay Points to test: Based on Ic value Average results interval: 5 Fill weight: N/A Limit depth applied: No Earthquake magnitude M_w: 7.50 Ic cut-off value: 2.60 Trans. detect. applied: No Limit depth: N/A Peak ground acceleration: Unit weight calculation: Based on SBT K_{σ} applied: MSF method: Method



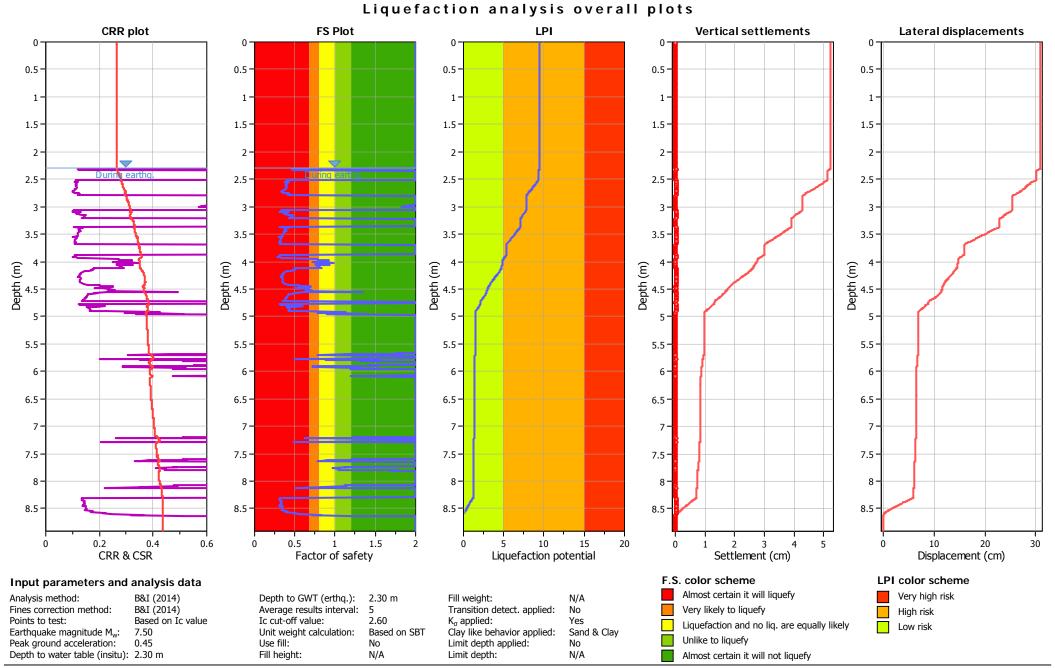




Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry.

Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

This software is licensed to: Pattle Delamore Partners Ltd CPT name: CPT_02



 $\label{linear_continuous_contin$