

Calibre Consulting Ltd

PO Box 6643 | Wellington 6141
L13 Kordia House, 109-125 Willis St | Wellington 6011
+64 4 384 2029 | 149025



Our Ref: 709066 - LE - 20210119 - Petone Closure

19 January 2021

Hutt City Council
Private Bag 31912
Lower Hutt 5040

Attention: Janet Lawson

Dear Janet

Petone Wharf. Preliminary Pile Inspection Report.

A preliminary pile survey report has been completed by Undersea Construction Ltd dated 16 Jan 2021 ("**Preliminary Report**"). Copies of the Preliminary Report were sent to Calibre and the Council on Sunday 17 January 2021. The Preliminary Report covers the inner half of the approach, concentrating on the area where slumping was observed due to piles failing as a result of the earthquakes that occurred in the vicinity around 31 December 2020.

In the days following the earthquakes, areas of the wharf, where severe slumping was observed, were propped. Repairs to the piles started 10 days after the earthquake once timber piles and FRP jackets could be sourced and the dive inspection of the piles planned for later this month was brought forward.

The Preliminary Report shows that the condition of the piles has deteriorated significantly since the previous inspection was completed in late 2017. In the first 30 rows of piles, nine piles are now rated as very poor requiring urgent remedial work and a further thirteen piles are rated as poor. We are therefore recommending the wharf be closed to the public at least until these twenty-two piles are repaired.

The pile repairs noted above are likely to take 8 - 10 weeks to complete. The detailed wharf inspection report, including the piles in bents 31 - 66 will be completed during this period. It is likely further repairs will be identified in the complete report. We recommend a decision on when to reopen the wharf is made based on the final inspection report.

We also recommend the vehicle access to the wharf is limited to maintenance works only, until the wharf is refurbished.

Yours sincerely

A handwritten signature in blue ink, appearing to read "Tom Arthur", with a stylized flourish at the end.

Tom Arthur
Associate Engineer - Buildings & Structures