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## Christchurch ground improvement trials

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### Description

Liquefaction during the recent large earthquakes in Christchurch, New Zealand has caused significant damage to hundreds of thousands of houses. This report describes the testing of 4 ground improvement methods which have been trialled with the aim of developing recommended foundation solutions for reconstruction and repair of damaged houses in the Canterbury region.

The foundation systems that were tested include:

- densification of a crust layer
- cement stabilisation of a crust layer
- construction of a grid of deep soil mix columns, and
- a perimeter wall of contiguous piles.

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