

LEGEND

Calculated Settlement Indicator (mm)

- 0 - 60
- 60 - 120
- 120 - 180
- 180 - 240
- 240 - 300
- 300 - 360
- 360+

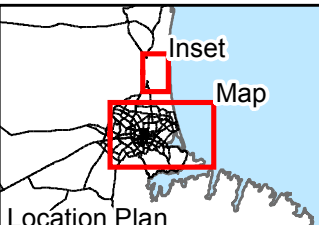
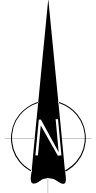
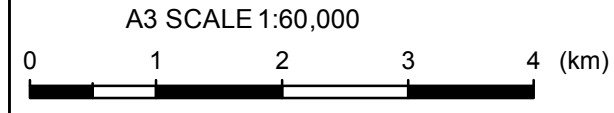
— Street level mapping undertaken with no observed liquefaction or ground cracking

- Observation of liquefaction from aerial fly over mapping
- Observation of liquefaction from ground based street level mapping
- Observation of Flooding
- Observation of Ground cracking

Notes:
 The land based observation did not cover the entire area where liquefaction was known to have occurred.

This maps presents a compilation of verified observations of liquefaction by team of engineers on the afternoon of 23 Dec 2011.

Notes: Road Database supplied by Terralink International Ltd. Rivers, lagoons and coastline licensed under Creative Commons Attribution 3.0 New Zealand and sourced from LINZ. Crown Copyright Reserved



| | | |
|---------------------------------|-----|--------|
| DRAWN | CXP | Mar.13 |
| CHECKED | | |
| APPROVED | | |
| ARCFILE 52020-0200-LSN175 | | |
| SCALE (AT A3 SIZE) 1:60,000 | | |
| Prepared by Tonkin & Taylor Ltd | | |
| Ref: 52020.0200 | | |

EARTHQUAKE COMMISSION
CHRISTCHURCH CITY & KAIAPOI
 Calculated Settlement Indicator, December 2011
 (Using Cornell PGA)

FIGURE No. Figure F52

Rev. 0

Date: 5/03/2013 Time: 11:54:21 a.m.