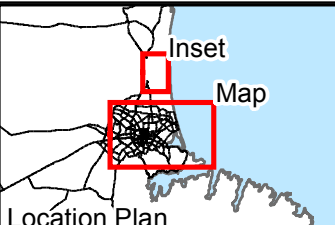
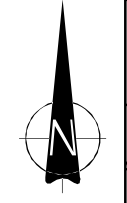
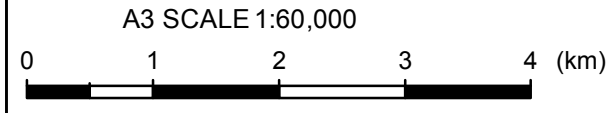


LEGEND

LSN	—	Street level mapping undertaken with no observed liquefaction or ground cracking
● 0 - 10	—●●●—	Observation of liquefaction from ground based street level mapping
● 10 - 20	—●●●—	Observation of liquefaction from aerial fly over mapping
● 20 - 30	■	Observation of Flooding
● 30 - 40	■	Observation of Ground cracking
● 40 - 50		
● 50 - 60		
● 60+		

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	Feb.13
CHECKED		
APPROVED		
ARCFILE 52020-0200-LSN169		
SCALE (AT A3 SIZE) 1:60,000		
Prepared by Tonkin & Taylor Ltd Ref: 52020.0200		

**EARTHQUAKE COMMISSION
 CHRISTCHURCH CITY & KAIAPOI
 LSN, December 2011
 (Using Cornell PGA)**

Date: 27/02/2013 Time: 7:56:05 a.m.