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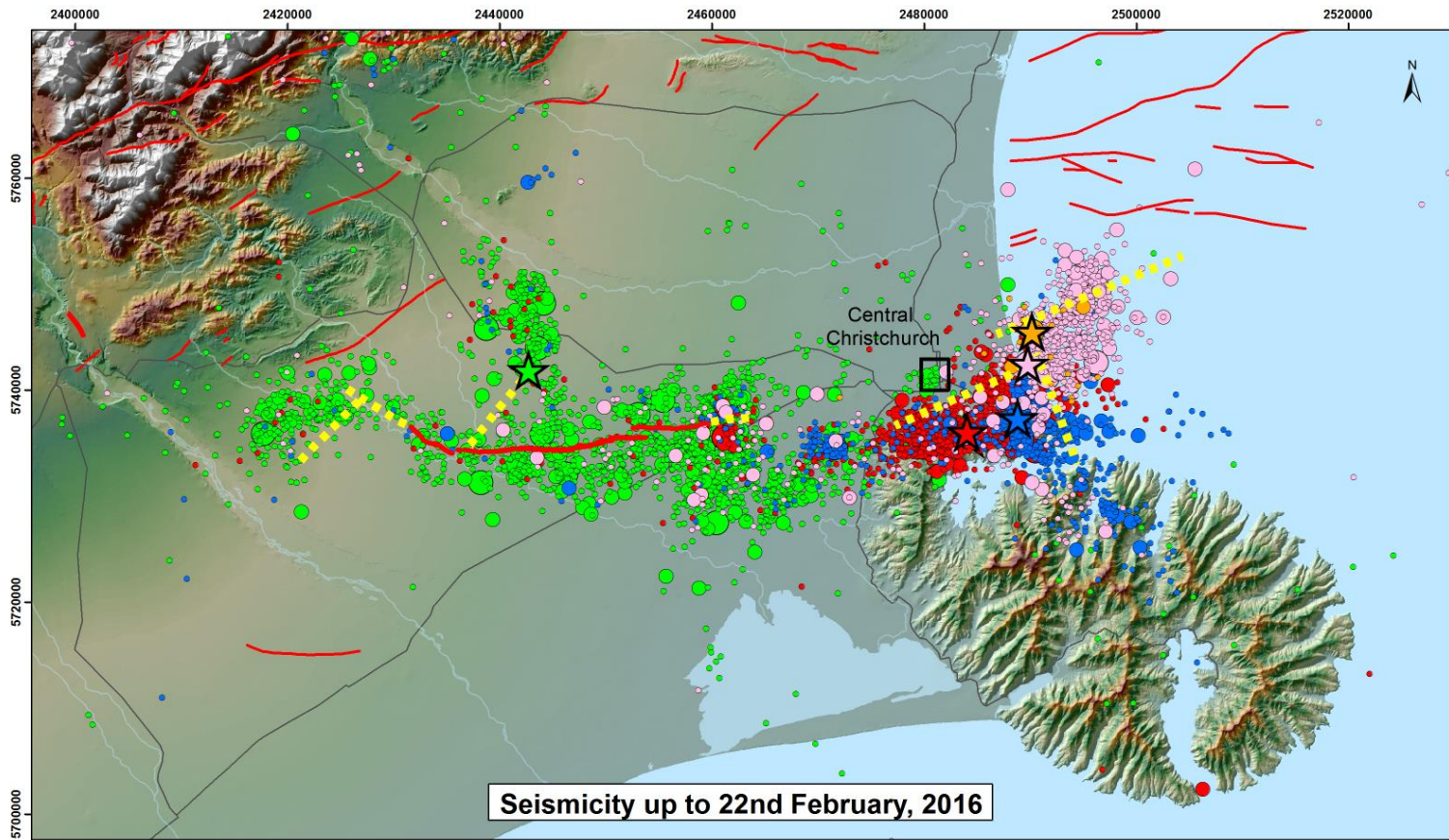
**Presented at the FIG Working Week 2016,
May 2-6 2016 in Christchurch, New Zealand**



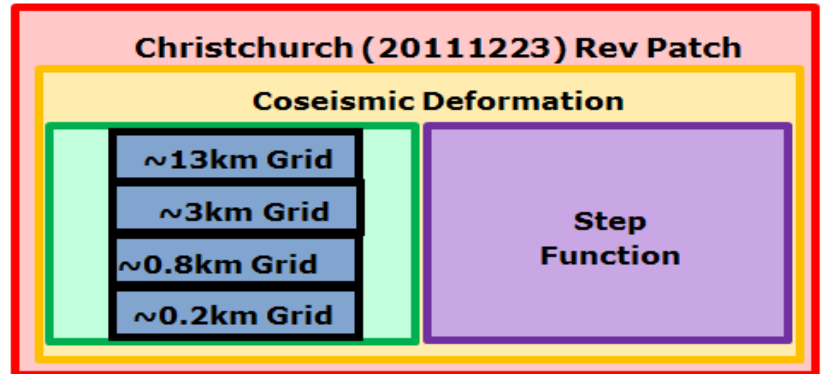
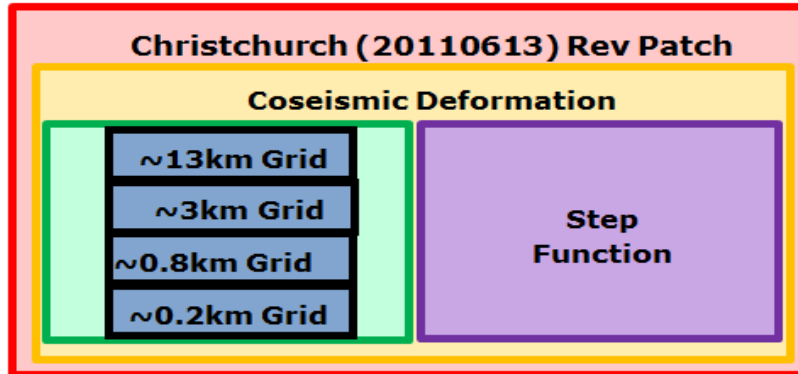
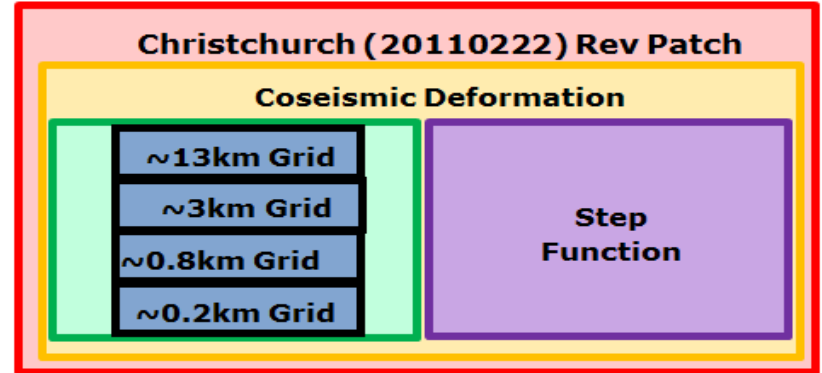
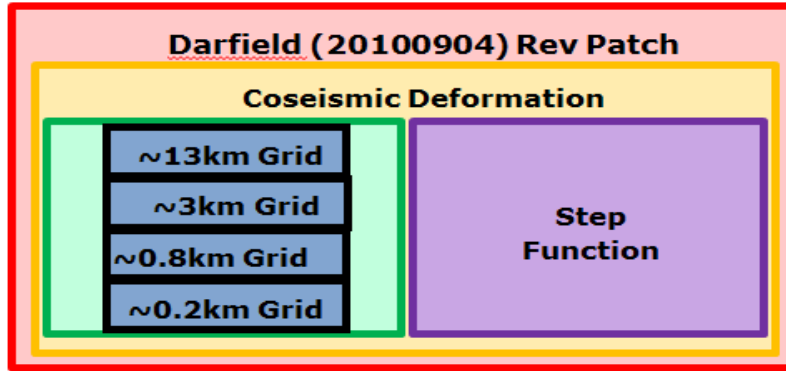
Using a deformation model to calculate coordinates in a local reference frame

Nic Donnelly | Technical Manager Geodesy
Chris Rizos and Craig Roberts (UNSW)

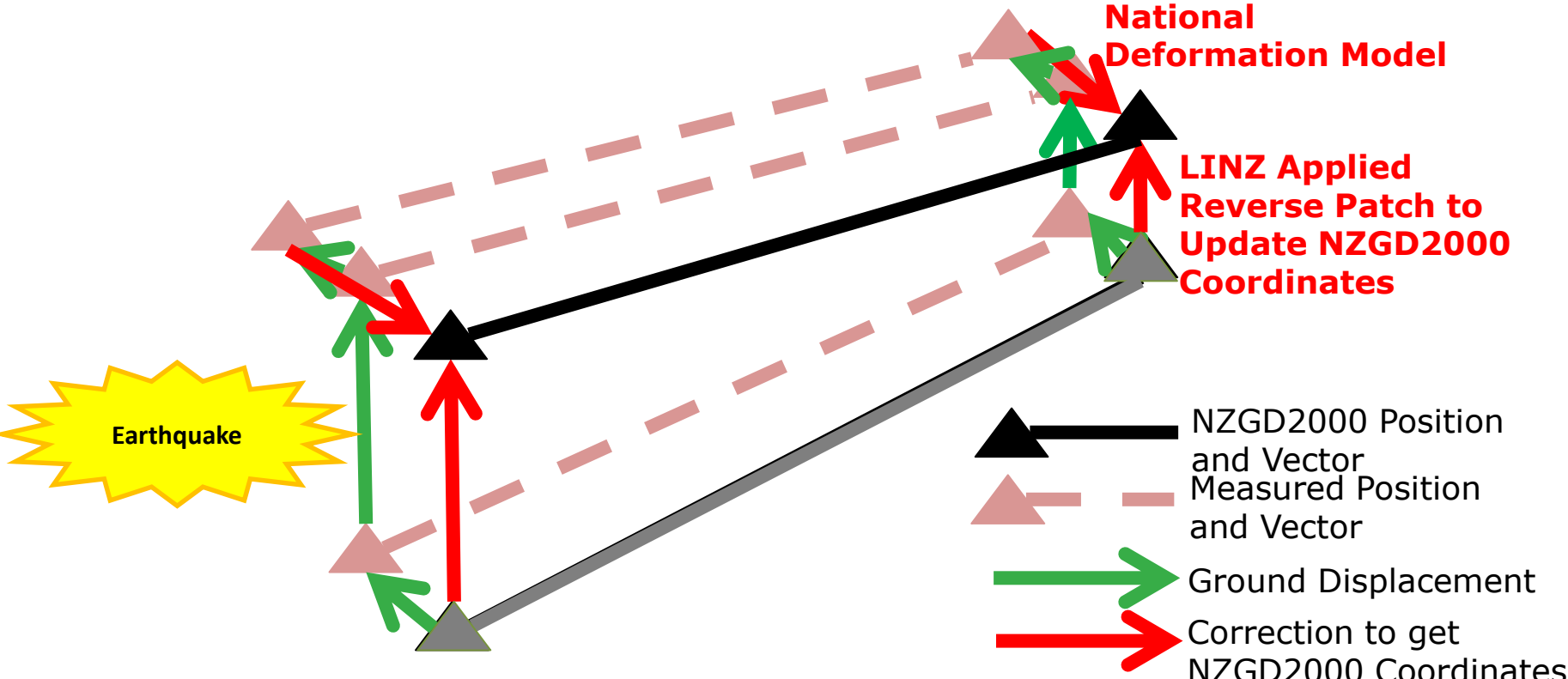




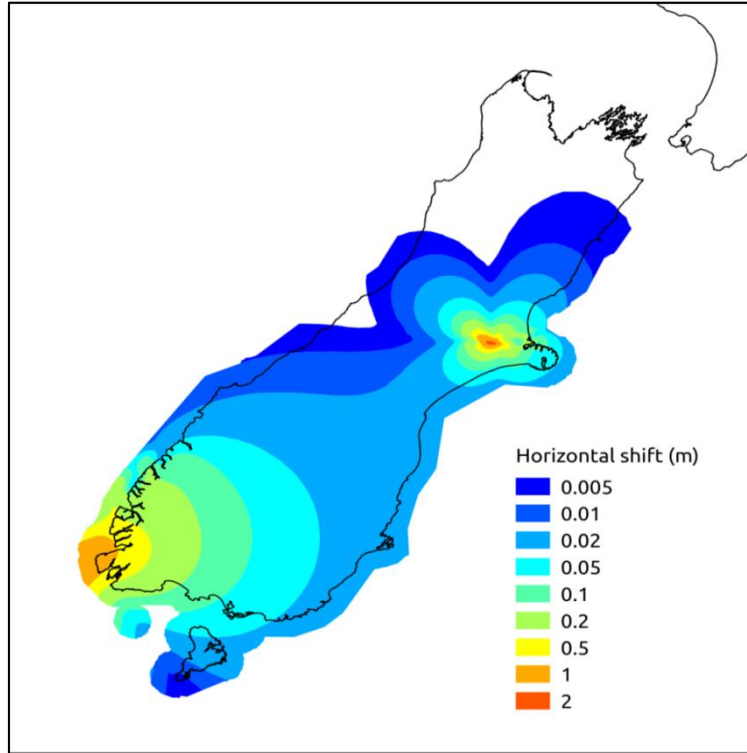
Canterbury Earthquakes Submodels



Reverse Patch for an Earthquake



Reverse patches: Applying the 20130801 reverse patch



Landonline updates

7,876,563 coordinates

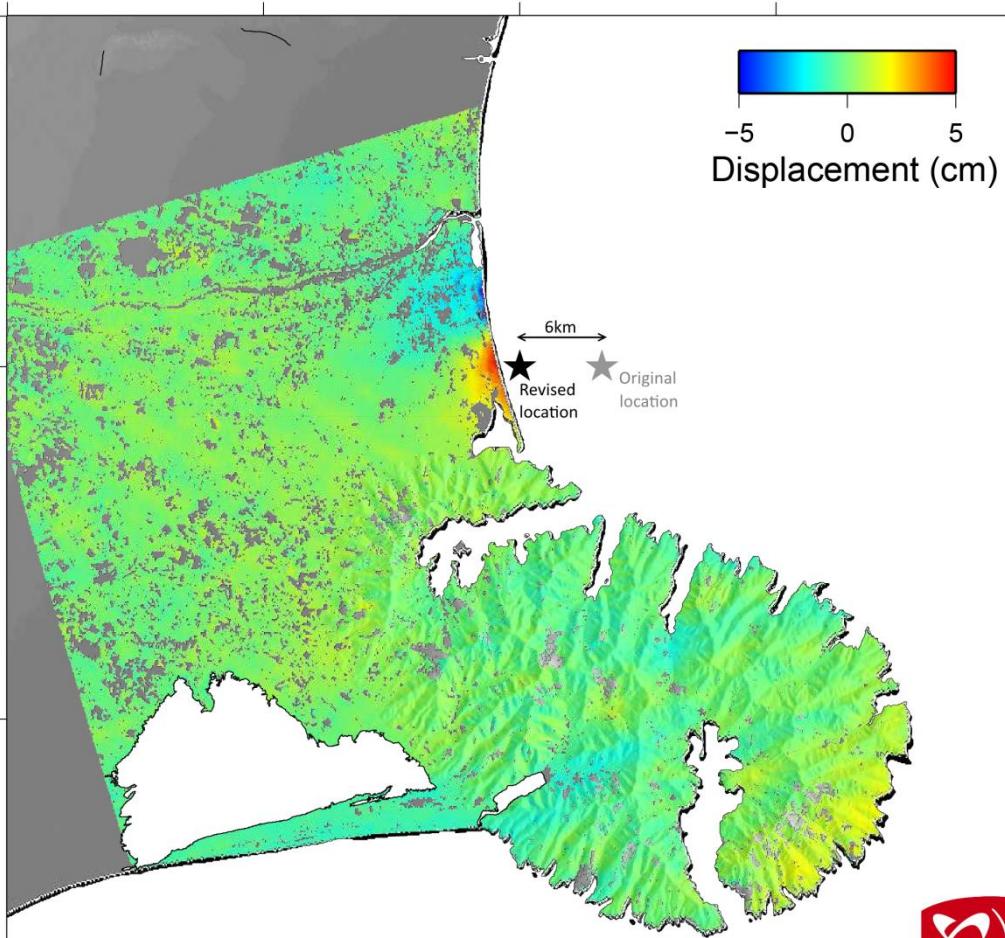
2,215,410 nodes

2,745,690 lines

543,787 parcels

48,629 roads

Cadastral layers only updated where the change is greater than 5cm







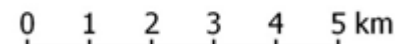
1 0 1 2 km
NZGD 2000 New Zealand Transverse Mercator



Legend

-  Vertical Movement (m)
-  Horizontal Movement (m)







NZGD 2000 New Zealand Transverse Mercator



Legend

-  Vertical Movement (m)
-  Horizontal Movement (m)



0 2 4 km

NZGD 2000 New Zealand Transverse Mercator



Home > PositionNZ-PP - GNSS Post-processing service

PositionNZ-PP - GNSS Post-processing service

Step 3/4: Edit RINEX file metadata

Check that the information extracted from the RINEX header (station name, antenna height) is correct. Note that PositionNZ-PP will only accept files that were not removed. You can remove files that were unintentionally added.

Uploaded RINEX file: **gldb1790.14o** (from **gldb1790.14d.z**) details

Remove file from job

Station Name:

GLDB

The value in the RINEX file is: GLDB

Antenna/radome type:

TRM55971.00

The value in the RINEX file is: TRM55971.00 NONE

Antenna height (metres, max 4dp):

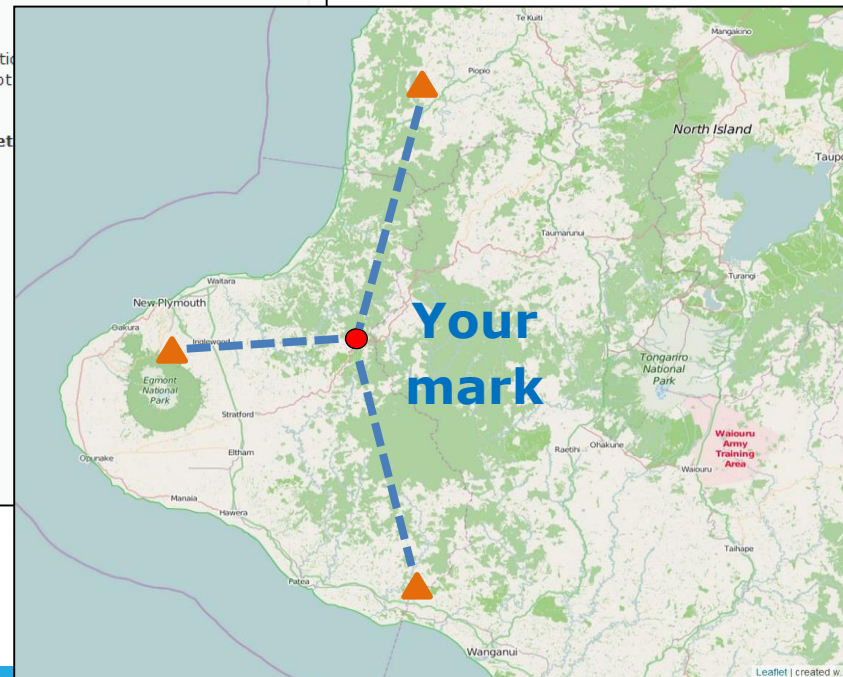
0.0550

The value in the RINEX file is: 0.0550

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Cancel



Canterbury Earthquake (14 Feb 2016) Geodetic Marks

LINZ / National Geodetic Office



Licence

1517

21

Updated
13 Apr 2016

About

Metadata

Data Table

Analytics

History

Services

Comments (0)

nod_id	36753029
geodetic_code	A6AF
current_mark_name	7681
geodetic_database_link	http://apps.linz.govt.nz/gdb/index.aspx?code=A6AF

post_14feb2016_nztm_north 5186734.369

post_14feb2016_nztm_east 1577346.142

post_14feb2016_ellipsoidal_height 20.502

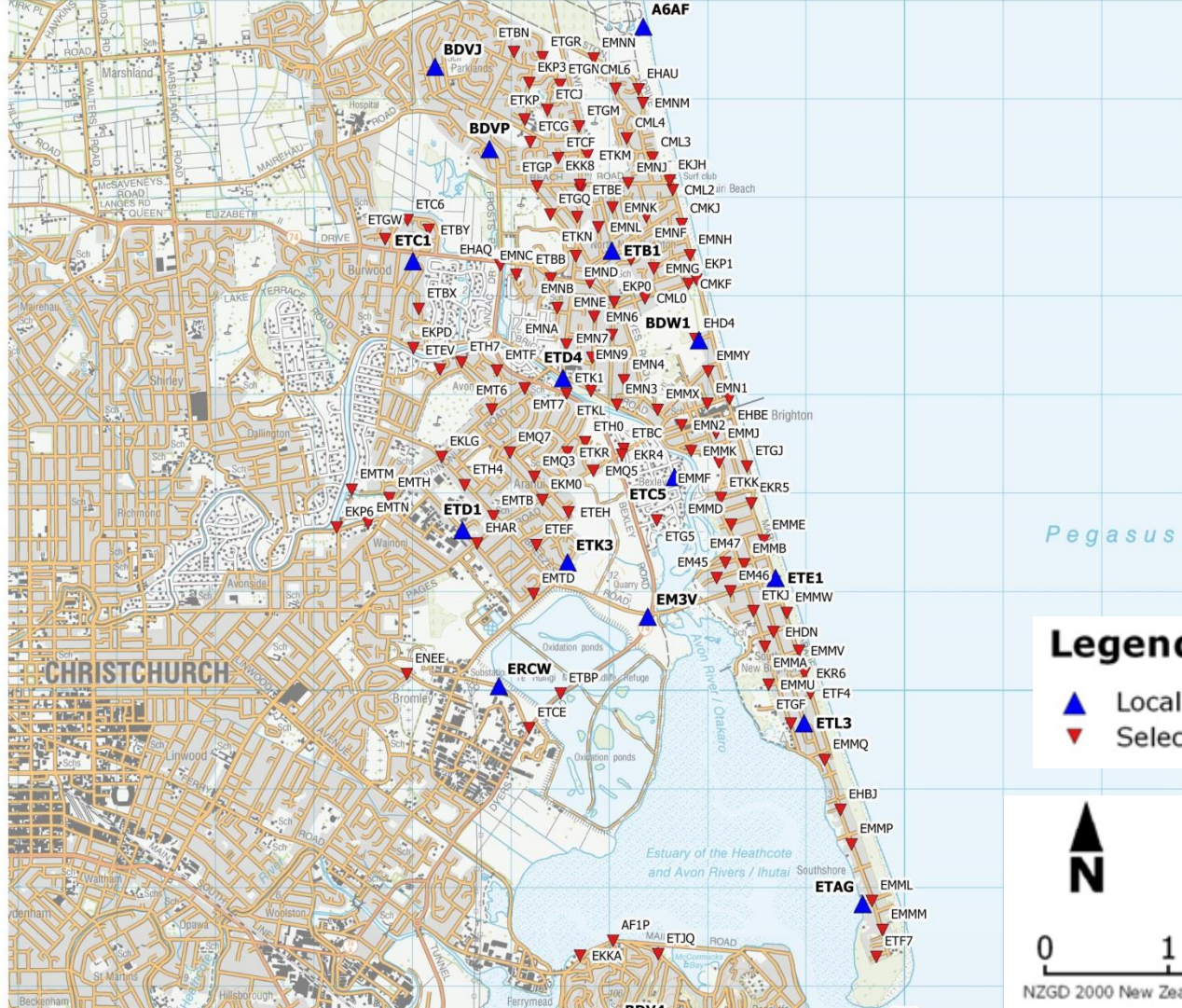
eq_14feb2016_north_change -0.072

eq_14feb2016_east_change 0.08

eq_14feb2016_horizontal_change 0.108

eq_14feb2016_height_change -0.037

Rev.	Published (UTC)	Features	Add	Mod.	Del.
3	12 April 2016 20:10	44	31	12	0
2	25 February 2016 21:42	13	0	0	0



Legend

- ▲ Local Higher Order Control
- ▼ Selected Mark



NZGD 2000 New Zealand Transverse Mercator

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Questions?

