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Automated Remote monitoring for Earthquake Recovery Work FIG Working Week May 2016

The Issue: Monitoring of a hillside hazard The Solution: Automated remote monitoring The issues considered:

- Site selection
- Site setup
- Power supply
- Data measurement and transmission
- Analysis of data
- Reporting of data



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Site selection



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Site Setup



Outside the container



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Site setup



Inside the container



Radio repeater



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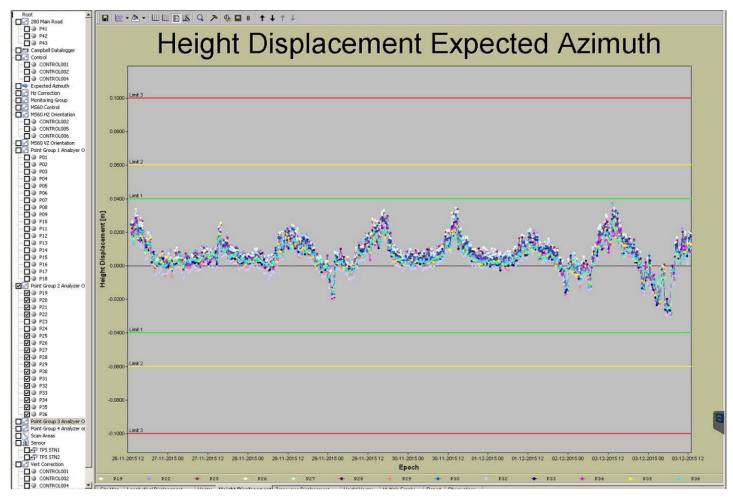


Monitoring site showing prism locations



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GeoMoS output

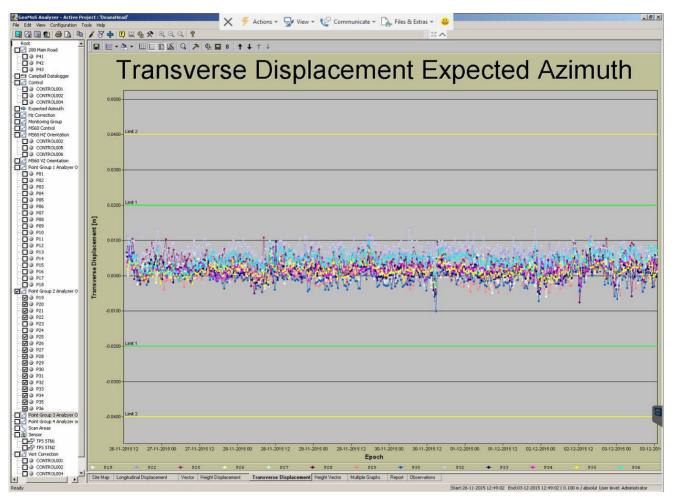


Height displacement (up/down)

7

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GeoMoS output

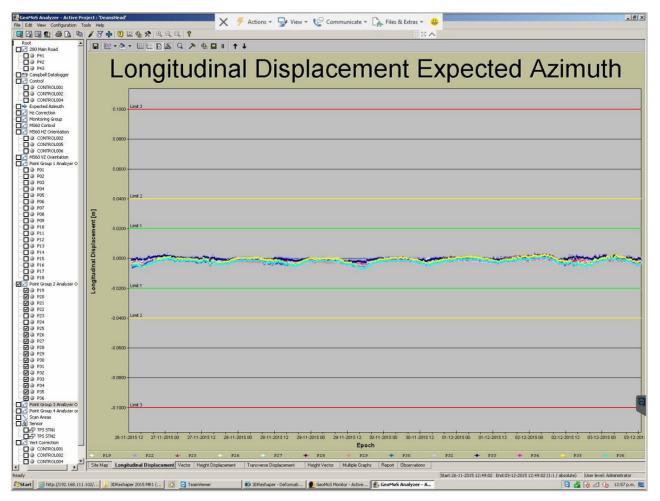


Transverse displacement (left/right)

8

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GeoMoS output



Longitudinal displacement (in/out)

9

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Reporting

Date: 1st March 2016

DEANS HEAD: Daily Ground Movement Monitoring Update

The current status is GREEN and no significant changes have been observed. Trigger level thresholds have not been exceeded.

This update is valid for 24 hours from time of issue. Work on the wider site can proceed in line with the normal operational requirements, the approved methodologies and H&S provisions.

If required please contact LINZ for further information. Contact details are as follows:

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Reporting template for daily email

10

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