

## PSM5665 Weekly update week ending 31/01/2025

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**Date:** Fri, 31 Jan 2025 08:07:26 +1100

Emily,

Please find herein a summary of works completed to date and upcoming. Please distribute as appropriate.

### Completed to date.

1. Initial response to Council request for assistance after 5 Jan event (including preliminary risk assessment to support).
1. Emergency response to support Evacuation Orders after 14 Jan event
2. Meeting attendance with various parties including Council, SES, Community group, others.
3. LIDAR survey and Photogrammetry Modelling – includes disbursement to procure from Diodrone Pty Ltd and post processing of LIDAR and imagery by geospatial scientist for use.
4. Recover historical aerial imagery - includes disbursement to procure from Lotsearch Pty Ltd.
5. Water quality surface water sampling by JBSG (includes disbursement to JBSG). Factual results received. Additional quote received for ongoing support.
6. Emergency Response Monitoring design development to support procurement including consideration of Radar, Prisms, Global Navigation Satellite System sensors, Tilt sensors and inSAR.
7. Preliminary Engineering Geological Mapping – Tim Nash site visit
8. Mobilisation of IDS Radar to 10 View Point Drive – includes disbursement to procure and hire equipment from IDS (Ex. Brisbane). Remote real time monitoring now established.
9. Initial walkover over of Sewer assets up to and beyond Bay View Drive
10. Design of intrusive investigation.

### Tasks underway

1. 1. Additional historical aerial imagery search for escarpment..
2. 2. Additional LiDAR by plane for remainder of escarpment.
3. 3. Desktop study of escarpment.
4. 4. Procurement of monitoring system (prisms, GNSS and tilt sensors).
5. 5. Baseline monitoring of RADAR data to establish movement trends.
6. 6. Underground service clearance to support intrusive works. Propose to start on 4<sup>th</sup> or 5<sup>th</sup> February 2025.
7. 7. Procurement of drill rig, CPT rig for intrusive investigations.
8. 8. Procurement of groundwater monitoring instruments.
9. 9. Procurement of groundwater quality testing consultant (quote received).
10. 10. Landslide characterisation of 2025 event and EO area.

## 11. 11. Budget estimates and reverse brief.

### Access requests

Can we please request access to commence intrusive works on these properties:

- \* 10-12 View Point Road
- \* 6 View Point Road
- \* View Point Road Reserve only
- \* Prospect Hill Road Reserve only.

Service location proposed to start on 4<sup>th</sup>/5<sup>th</sup> February 2025. This is a walkover with equipment and use of spray paint on grass/paths etc.

James will send through images of the rigs we will be using (confirm week 3 February 2025). Mobilisation date TBC.

Can we please request permission from property owners to install monitoring equipment on their properties. This may require attachment of sensors on balconies etc. Andrew Wilson will issue a mark up of where we will install the equipment (likely end of next week 7<sup>th</sup> Feb). Mobilisation week of 10<sup>th</sup> most likely and will confirm.

### Budget/Cost tracking

Please note that as of W/E 24/01/2025 WIP was approximately CIC EX GST which includes PSM time and minor disbursements associated with travel (flights, km, meals) and the following significant disbursements:

- \* CIC EX GST – Diospatial LiDAR
- \* CIC EX GST – Lotsearch all available aerial photographs .

Disbursements that have been quoted and with invoices not received:

- \* Primary emergency response monitoring system (Radar) - CIC EX GST. For mobilisation and first month of hire. Ongoing costs are ~ CIC EX GST per month. Currently estimate needed for 2-3 months then demob.
- \* Secondary monitoring system (prisms, GNSS, tilt sensors) - CIC to CIC (EX GST) for 12 months. Refer to previous emails for detail.
- \* Initial surface water sampling - CIC EX GST.
- \* Ongoing groundwater sampling support CIC EX GST).

PSM would like to invoice for works completed to date next week. Can you please provide guidance on who the invoice should be addressed to?

### RFI:

- \* Council records for 2010 LiDAR completed for hydrological study (MBS Dave mentioned this was done).
- \* Preferred supplier of vacuum excavation trucks – does the FH alliance have this equipment and can PSM use it? Can Council coordinate this?

- ☐ \* SEW records of repairs to Sewer trench to 6 View Point Road. Property owner records of trench at time of repairs.
- ☐ \* Photographs and videos of 10 and 6 View Point Road of landslide area prior to and during the event. It is my understanding that 6 View Point has a drone video from 2023.

PSM will continue to issue a weekly update in this form (will be formalised on letter head).

Regards,

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