
SITE VISIT RECORD

Sheet No. 1 of 9

Contract: Mauao Base Track Geotechnical Monitoring
Project Number: 2-9B463.01

Inspection No: 2

Work Site: Mt Maunganui Base Track

Engineer/ Geologist: s 7(2)(a) - Privacy

Day & Date of Visit: 29/06/20

Arrival Time: 9.20am

Departure Time: 10.40am

Weather and Site Conditions: There was significant rainfall during the week preceding this inspection. Weather data is from the Tauranga Airport weather station (Metservice, AWS-93186, obtained from Metservice.com). From 18th - 21 June 2020 there was 65mm rain recorded. Between 25 - 27th June 2020, 102mm rain was recorded. High winds were also recorded on the 27th June, with a peak gust speed of 83km/h.

Site Inspection Notes – Track level

General observations

- The track condition was overall in the same condition as the previous visit on 02/06/20.
- The cut slope above the track just beyond the west edge of site looked to be eroding slightly (See Photographs 14 and 15).
- Refer to Figure 1 for locations of drains / culverts.
- Photos from this inspection and the previous inspection are compared to monitor changes.

Track Condition

- The repaired track was wet but there was no ponding, erosion, or deformation / cracking observed on the track itself.
- There was no change to the slope above the repaired track (Photographs 12 and 13).

Culverts and Swales

- All grates entering culvert inlet at the north side of the track on the eastern side of the repair were clear - however they were covered with leaves (Photographs 1 and 2). The green drainage socks that collect water from this culvert and outlet at the bottom of the slope had a small amount of moisture in them, indicating that water had been flowing overnight but had since stopped. There was no water draining from these socks when observed.
- The geometry of the track still has a reverse grade to the swales that lead to the culvert inlets.

Horizontal Bored Drains

- Horizontal drains HD01 - HD03 (Figure 1) on the slope above the repaired track were checked. There was no moisture inside any of these drains indicating that it was unlikely that any had been flowing during the heavy rain during the preceding week.
- The scour around drain HD03 appeared to be in the same condition as when last checked on 02/06/20. The soil around the pipe was still wet and quite weak. The geogrid was not attached to the slope face in the vicinity around the drain.

- The culvert at the west end of the repaired track (C02, Figure 1) was still mostly clear with the exception of leaves/silt build-up (Photographs 6 and 7).
- At the bottom of the slope no water was observed dripping from horizontal drains on the slope (H04, H05, H06, H07, HD08).

Observations of the slip scarp

- On the slip scarp itself there were no signs of soil nail deformation / movement.
- Just below the slip scarp, the debris from the auger spoils is slowly moving towards the base of the slope.

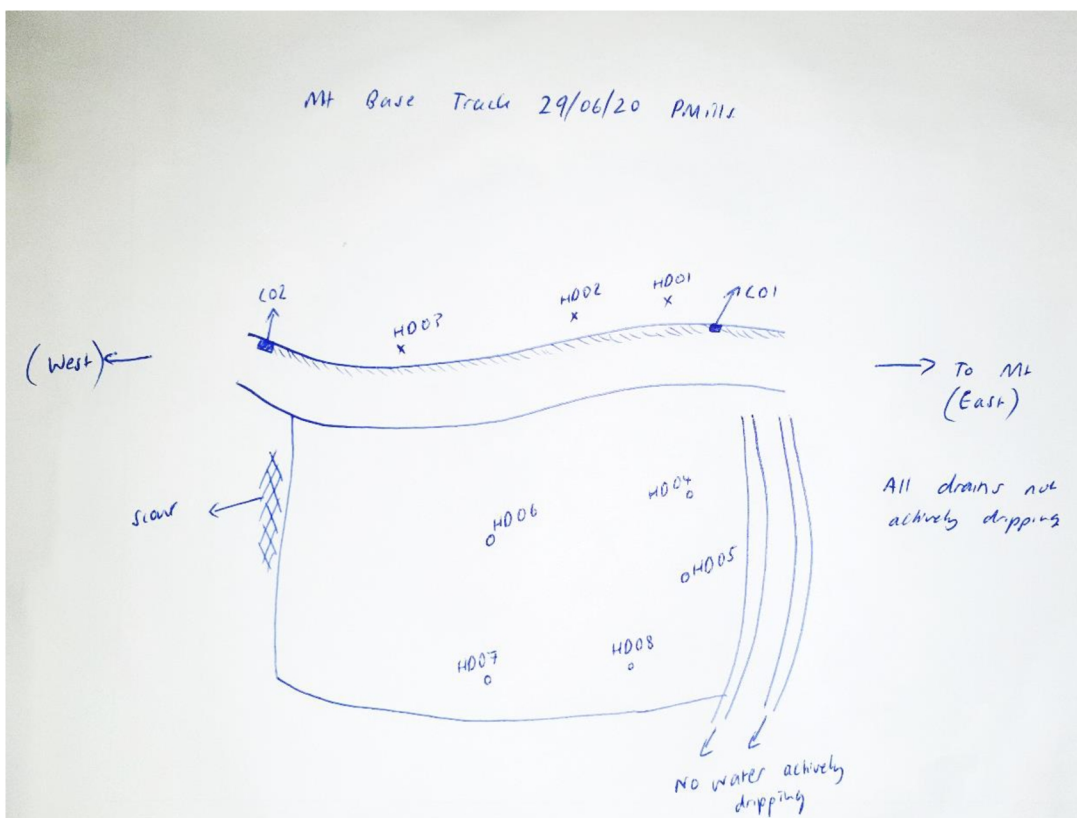
Observations at Toe of Slope

- There were no signs of wave / water erosion of the toe of the slope or between the toe of the slope and debris remains.

Observations of the Pohutukawa Tree on the west side of the slip

- It appears that a small amount of scour has occurred adjacent the Pohutukawa Tree at the western edge of the slip (Photographs 4-5, 8 - 11).

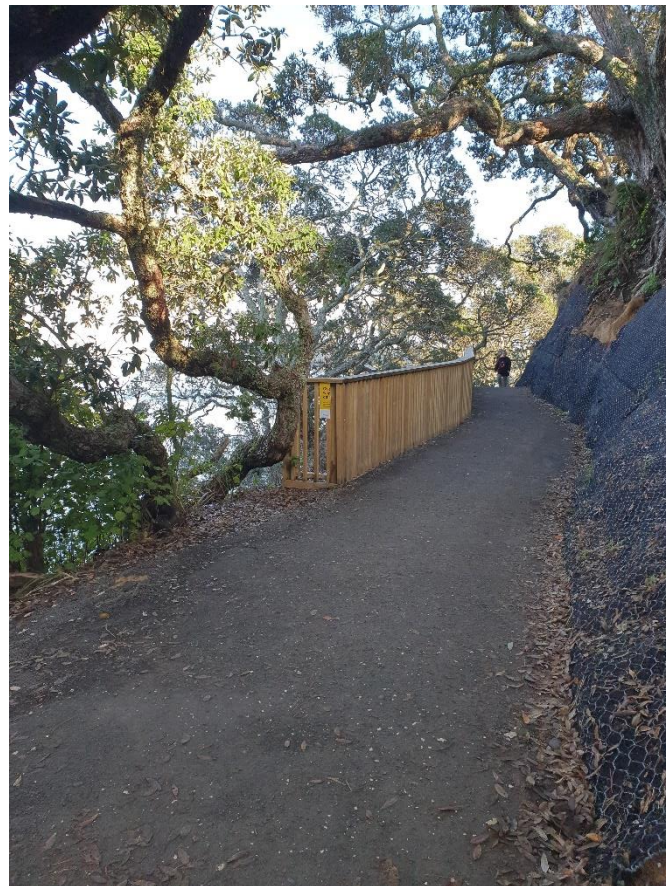
Figure 1 - diagram of site



Signature:

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Site Photographic Record



Photograph 1 (top, taken on 02/06/20) compared to the most recent visit on 29/06/20 - At the start of the track looking west



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Photograph 1 & 2

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Photograph 3 - Culvert 02 at west extent of track repair



View of slope looking west. Photograph 4 (left) taken on 02/06/20) compared to Photograph 5, taken on 29/06/20.



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Photographs 3, 4 & 5

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Photograph 6 (top, from 02/06/20), and Photograph 7 (bottom, from 29/06/20). A comparison of the view inside Culvert 2, from track to edge of slope.



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Photographs 6 & 7

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Photograph 8 (left, 02/06/20) and Photograph 9 (29/06/20) - View looking upslope



Photograph 10 (left, 02/06/20) and Photograph 11 (right, 29/06/20).
Looking west across slip face towards the Pohutukawa tree. It appears that slightly more scour adjacent the tree has occurred following heavy rain.



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Photographs 8 - 11

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Photograph 12 (top, 02/06/20) and Photograph 13 (bottom, 29/06/20) – slope above track.



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Photographs 12 & 13

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Photograph 14 (top, 02/06/20) and Photograph 15 (bottom, 29/06/20). Looking towards the track from the western end.



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Photographs 14 & 15

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Photograph 15 (top, 01/06/20) and Photograph 16 (bottom, 29/06/20). Looking up to the slip face.



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Photograph 15 & 16

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