
SITE VISIT RECORD

Sheet No. 1 of 11

Contract: Mauao Base Track Geotechnical Monitoring

Inspection No: 7

Project Number: 2-9B463.01

Work Site: Mt Maunganui Base Track

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

Day & Date of Visit: 14/01/2021

Arrival Time 10am

Departure Time: 11am

Weather and Site Conditions: Fine on the day of the site visit. Previous rainfall event/s for January included 4.8mm recorded on 8th January (Tauranga Airport rain gauge, Metservice record).

Site Inspection Notes – Track level

General observations

- Refer to Figure 1 for locations of drains / culverts.
- The track condition was overall in the same condition as the previous visit on 02/11/2020. The track was slightly more dry looking than previous visits.
- Photos from this inspection and the first inspection (02/06/20) are compared to monitor changes in the attached site photographic record.
- The repaired face of the slip is in good condition. Significantly more grass and weeds are growing through the coconut mat on the slip face.
- With summer being reasonably dry insofar, only 1 drain was active out of the 9 inspected.
- The horizontal drain collecting water from HD03 was installed successfully on 09/11/2020. Photos of the drain install are depicted in Photographs 19-22.

Track Condition

- The repaired track was dry; there was no ponding observed.
- The recently installed horizontal drain coil connecting to culvert 02 is working well; no additional scour of the track was observed.

Culverts and Swales

- Culverts 01 and 03 were clear, with the exception of a covering of leaves (Photographs 3 - 4). Culvert 02 is clear (Photograph 4).

Horizontal Bored Drains

- Horizontal drains HD01 - HD03 (Figure 1) on the slope above the repaired track were checked. All drains were dry.
- The scour around drain HD03 has been remediated by the installation of a horizontal coil drain by council contractors on 09/11/2020 (Photographs 19-22).
- At the bottom of the slope the only horizontal drain that was dripping was HD07.

Observations of the slip scarp

- On the slip scarp itself there were no signs of soil nail deformation / movement.
- The grass covering growing through the coconut mat has increased.

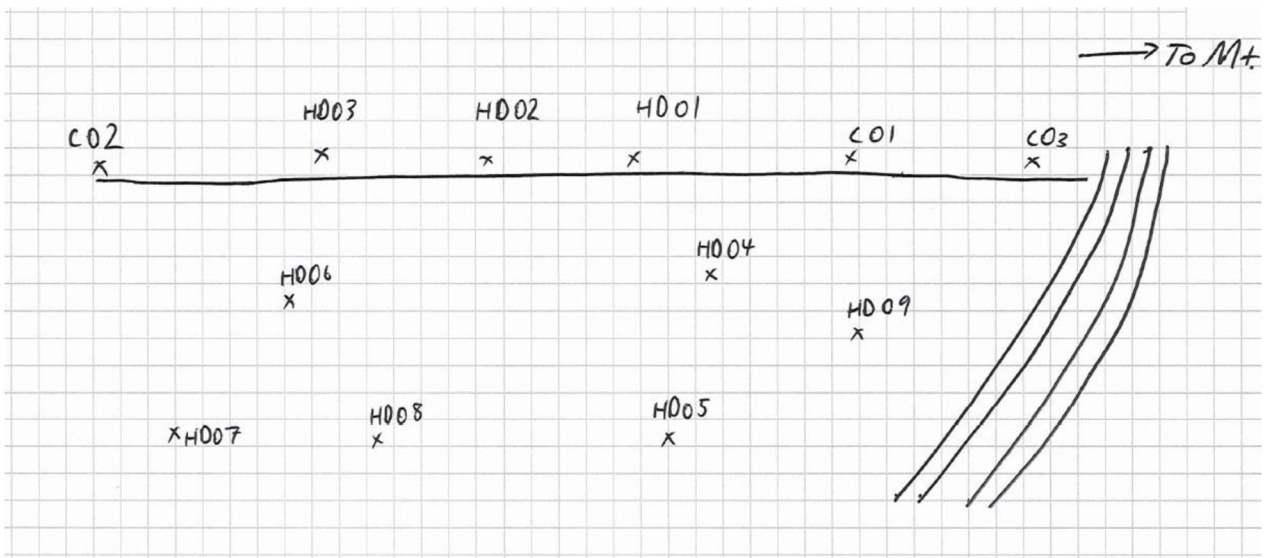
Observations at Toe of Slope

- 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

- A minor amount of erosion around the Pohutukawa tree at the western edge of the slip has occurred since we started monitoring in June 2020. Pohutukawa stabilisation works are planned to being in April 2021.

Figure 1 - diagram of site



Signature:

s 7(2)(a) - Privacy

Site photographic record - Mauao base track slip



Photograph 1 (top, taken on 02/06/20) compared to the most recent visit on 14/01/21- At the start of the track looking west



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Photograph 1 & 2

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Culvert 02 at west extent of track repair. Photograph 3 (above, left) was taken during the initial inspection on 02/06/20 and Photograph 4 (above, right) taken on 14/01/21.



View of slope looking west. Photograph 5 (left) taken on 02/06/20, compared to Photograph 6, taken on 14/01/21.



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Photographs 3 - 6

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Photograph 7 (top left, taken on 27/08/20) and Photograph 8 (top right, taken on 14/01/21) showing the minor amount of scouring that occurred below horizontal drain 3 during the month of September. Photograph 9 (bottom left) and Photograph 10 (bottom right) show that scour has gradually occurred since the beginning of monitoring to the present.



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Photographs 7 - 10



Photograph 11 (top), taken on 02/06/20) and Photograph 12 (bottom, taken on 14/01/21).
Looking west across slip face towards the Pohutukawa tree.



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Photographs 11 - 12

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Photograph 13 (top, 02/06/20) and Photograph 14 (bottom, 14/01/21) – slope above track.

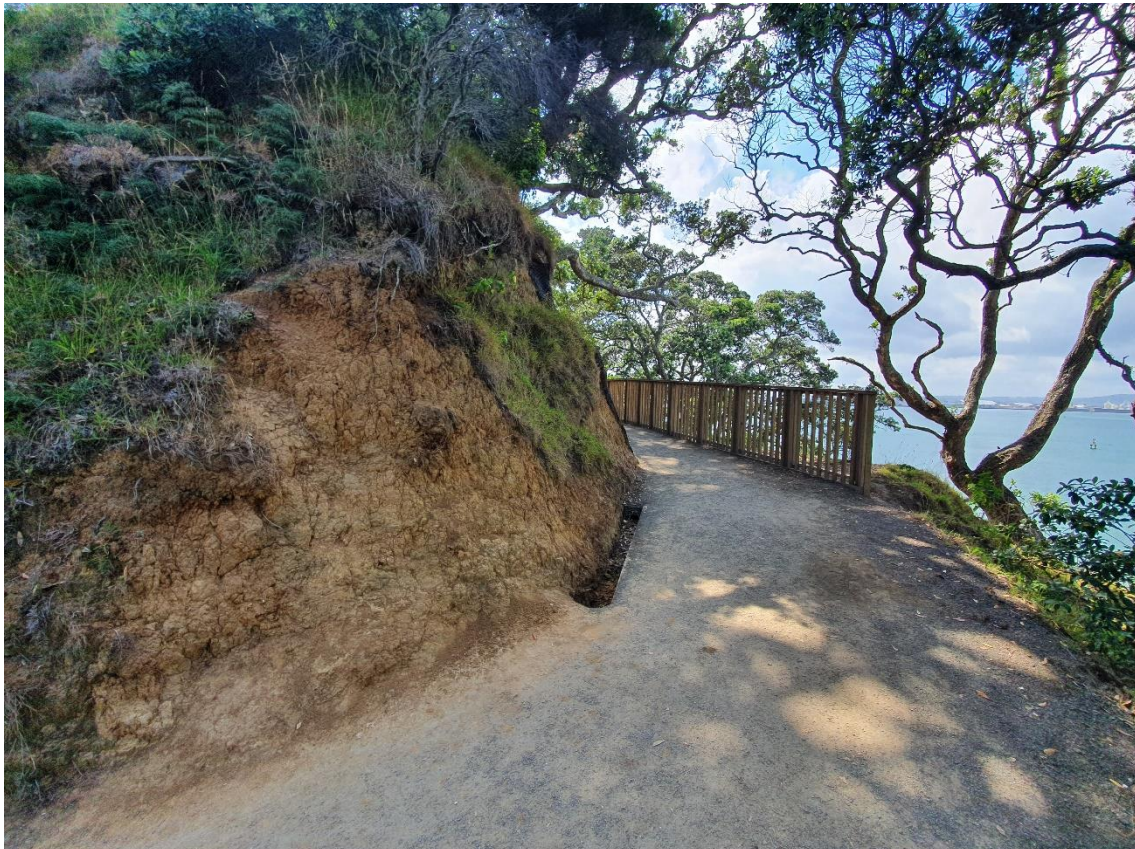


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Photographs 13 & 14

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Photograph 15 (top, 02/06/20) and Photograph 16 (bottom, 14/01/21). Looking towards the track from the western end.



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Photographs 15 & 16

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Photograph 17 (top, 01/06/20) and Photograph 18 (bottom, 14/01/21). Looking up to the slip face.



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Photograph 17 & 18

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Photograph 19 (top) and Photograph 20 (bottom). Drain install detail below HD03 on 09/11/20



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Photograph 19 & 20

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Photograph 21 (top) and Photograph 22 (bottom). Drain install detail below HD03 on 09/11/20



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Photograph 21 & 22

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