



Trigger Inspection Report

This report summarises the monitoring required under Consent Condition SED.11(b) and relevant Project Management Plans.

Event Summary

Trigger exceeded: 25mm over 24-hours

03/03/2024 (8:35AM) & 04/03/2024 (2:55PM)

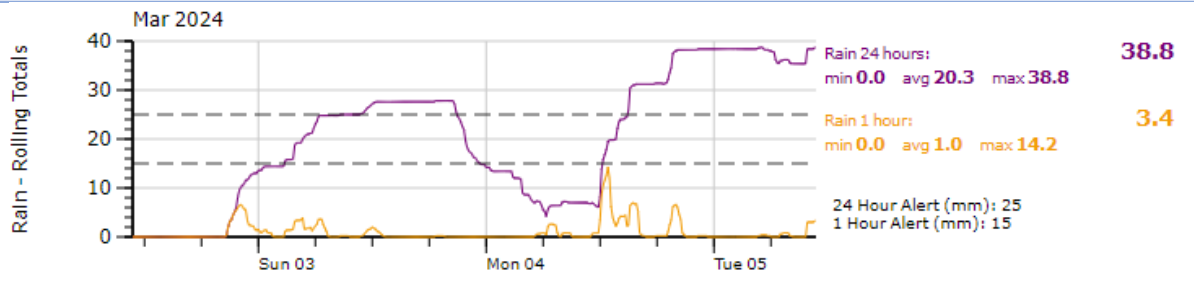
Note: 70.2mm rain in total over 48 hours

Trigger exceeded: >50 NTU

Mangapepeke: 3/03/2024 (3:15AM, 6:20AM) & 4/03/2024 (12:25AM, 9:20PM)

Mimi: 4/03/2024 (2:15PM)

Rainfall Graph



Visual Inspection

SED.11 b (i)

| Area | Comments |
|--------------------|--|
| Mimi Stream | As expected for the rainfall |
| Mangapepeke Stream | As expected for the rainfall |
| SRP-1 | No concerns |
| SRP-6D | No concerns |
| SCY-SRP | Pond not discharging due to Mimi River level |
| SRP4600E | No concerns |
| DEB-F14 | No concerns |
| DEB-F13-1 | No concerns |
| DEB 4390 | No concerns |
| DEB-F12-1 | Pond not discharging |

Manual Sampling: ESC Devices

SED.11 b (ii)

| Device Name | pH | | NTU | | Discharging? |
|-------------|-------|--------|-------|--------|--------------|
| | Inlet | Outlet | Inlet | Outlet | |
| SRP-1 | 8.21 | 7.39 | 684 | 79.7 | Yes |
| SCY-SRP | 7.17 | 7.18 | 193 | 42 | Yes |
| SRP-6D | 7.78 | 7.61 | 85.5 | 20.8 | No |
| SRP4700E | 7.3 | 7.4 | 58.9 | 15.91 | Yes |
| DEB-F14 | 6.68 | 7.04 | 499 | 11.7 | Yes |
| DEB 3940 | 7.9 | 7.59 | 999 | 45.8 | Yes |
| DEB-F13-1 | 7.4 | 7.48 | 512 | 83.5 | Yes |
| DEB-F12-1 | 7 | 6.92 | >999 | 217 | No |



In-Stream Sampling (WQ1 - WQ5)

SED.11b (iii)

In-stream samples are collected at the earliest convenience, once water levels recede and it is safe to do so. Samples are analysed at an accredited third-party laboratory.

| Location | NTU | TSS (g/m ³) | pH |
|-----------------------------|-----|-------------------------|-----|
| WQ3 Mimi Upstream | 141 | 380 | 7.0 |
| WQ4 Mimi Downstream | 440 | 1,540 | 7.1 |
| WQ5 Mimi Control | 420 | 1,540 | 7.2 |
| WQ1 Mangapepeke Upstream | 135 | 560 | 7.2 |
| WQ2b Mangapepeke Downstream | 290 | 520 | 6.8 |

Sediment Deposition Monitoring

SED.11b (iv)

Sediment deposition data is collected once it is safe to do so. All measurements are in mm. Data collected on 5/03/2024

| Measured 05/03/2024 | Baseline | Stake top to ground level | Variation from previous reading | Variation from baseline (+ or -) |
|---------------------|----------|---------------------------|---------------------------------|----------------------------------|
| ST1(1) | 906 | 938 | 1 | -32 |
| ST1(2) | 928 | 891 | 28 | 37 |
| ST1(3) | 923 | 904 | -19 | 19 |
| ST1(4) | 926 | 923 | 15 | 3 |
| ST1(5) | 900 | 937 | 2 | -37 |
| ST1 (ave) | 917 | 919 | 5 | -2 |
| ST2(1) | 1160 | 1152 | -20 | 8 |
| ST2(2) | 1190 | 1180 | -7 | 10 |
| ST2(3) | 1295 | 1264 | 7 | 31 |
| ST2(4) | 1323 | 1310 | -3 | 13 |
| ST2(5) | 1290 | 1295 | -18 | -5 |
| ST2(ave) | 1252 | 1240 | -8 | 11 |
| ST3(1) | 1133 | 1127 | -5 | 6 |
| ST3(2) | 1090 | 1045 | -4 | 45 |
| ST3(3) | 1131 | 1154 | -12 | -23 |
| ST3(4) | 1142 | 1124 | 2 | 18 |
| ST3(5) | 1100 | 1101 | -1 | -1 |
| ST3(6) | 1222 | 1236 | -27 | -14 |
| ST3(7) | 1380 | 1385 | 0 | -5 |
| ST3(ave) | 1171 | 1167 | -7 | 4 |
| ST4(1) | 1240 | 1228 | -1 | 12 |
| ST4(2) | 1272 | 1252 | -2 | 20 |
| ST4(3) | 1204 | 1165 | 8 | 39 |
| ST4(4) | 1342 | 1325 | -5 | 17 |
| ST4(5) | 1280 | 1231 | 2 | 49 |
| ST4(6) | 1243 | 1230 | -3 | 13 |
| ST4(ave) | 1264 | 1239 | 0 | 25 |
| ST5(1) | 965 | 934 | -12 | 31 |
| ST5(2) | 979 | 927 | -5 | 52 |
| ST5(3) | 1100 | 1062 | 12 | 38 |
| ST5(4) | 1360 | 1345 | -35 | 15 |
| ST5(5) | 1223 | 1164 | 6 | 59 |
| ST5(6) | 1391 | 1377 | -12 | 14 |
| ST5(ave) | 1170 | 1135 | -8 | 35 |



Te Ara o Te Ata

WAKA KOTAHĪ
MŪHURI
KŪKŪ

Mt Messenger Bypass