



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

Date 17/08/2024

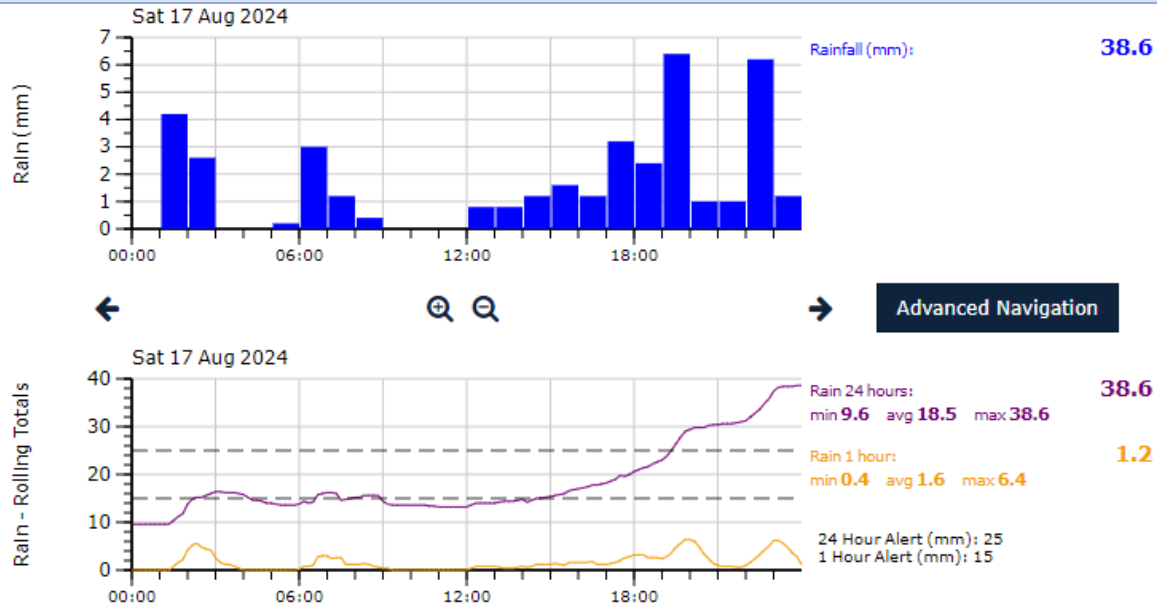
Time 7:20pm

Trigger exceeded: >50 NTU

Mimi 17/08/2024 - 8:15pm

Mangapepeke NTU monitor error

Rainfall Summary



Visual Inspection

SED.11 b (i)

Area	Comments
Mimi Stream	As expected for the rainfall
Mangapepeke Stream	As expected for the rainfall
SRP-1	SRP working well, no concerns
SRP-6D	SRP working well, no concerns
SCY-SRP	SRP working well, no concerns
SRP4700E	SRP working well, no concerns
SRP-F13	SRP working well, no concerns
DEB-F13	Device did not meet discharge threshold requirements. Remedial actions undertaken.
DEB-3980E	SRP working well, no concerns
DEB 12-1	DEB working well. Not discharging. No concerns
SRP-2920N	SRP working well, no concerns
SRP-3180S	SRP working well, no concerns



Manual Sampling: ESC Devices SED.11 b (ii)

Device Name	pH		NTU		Discharging?
	Inlet	Outlet	Inlet	Outlet	
SRP-1	6.98	6.75	21.6	21.1	Yes
SRP-6D	5.96	6.41	80.4	31.5	Yes
SCY-SRP	6.62	6.65	68.5	46.5	Yes
SRP-4700E	7.11	6.85	296	45.1	Yes
SRP-F13	6.88	6.64	537	190	Yes
DEB-F13	6.78	6.97	535	550	Yes
DEB-3980E	7.17	6.99	422	289	Yes
DEB 12-1	6.86	N/A	918	N/A	No
SRP-2920N	6.75	6.63	686	504	Yes
SRP-3180S	7.04	6.86	690	67.8	Yes

In-Stream Sampling (WQ1 - WQ5) SED.11 b (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)	210	860	6.9
WQ4 (Mimi Control)	520	2900*1	6.8
WQ5 (Mimi Downstream)	142	450	6.9
WQ1 Mangapepeke Upstream	141	1440*1	6.8
WQ2b Mangapepeke Downstream	300	760	6.8

Comments

*1 Noted on the Hill Lab Summary: The result for suspended solids for these samples was just above the upper limit of the method. As the sample dried ok the upper limit was extended to allow a numeric result to be reported.

There was a >20% increase in NTU in the Mangapepeke catchment. There were no issues identified for this trigger event upon inspection of the site. We cannot say conclusively what caused this increase other than other catchment activities unrelated to project works.

Sediment Deposition Monitoring SED.11 b (iv)

Sediment deposition data is collected once it is safe to do so. All measurements are in mm. Data collected on 20/08/2024.

Measured 20/08/2024	Baseline	Stake top to ground level	Variation from previous reading	Variation from baseline (+ or -)
ST1(1)	906	931	4	-25
ST1(2)	928	944	-9	-16
ST1(3)	923	886	21	37
ST1(4)	926	967	4	-41
ST1(5)	900	923	7	-23
ST1 (ave)	917	930	5	-14
ST2(1)	1160	1147	5	13



ST2(2)	1190	1180	1	10
ST2(3)	1295	1264	7	31
ST2(4)	1323	1310	-4	13
ST2(5)	1290	1291	3	-1
ST2(ave)	1252	1238	2	13
ST3(1)	1133	1120	2	13
ST3(2)	1090	1029	10	61
ST3(3)	1131	1147	4	-16
ST3(4)	1142	1116	9	26
ST3(5)	1100	1105	8	-5
ST3(6)	1222	1241	4	-19
ST3(7)	1380	1388	4	-8
ST3(ave)	1171	1164	6	7
ST4(1)	1240	1231	1	9
ST4(2)	1272	1264	1	8
ST4(3)	1204	1188	5	16
ST4(4)	1342	1315	9	27
ST4(5)	1280	1222	47	58
ST4(6)	1243	1228	19	15
ST4(ave)	1264	1241	14	22
ST5(1)	965	938	4	27
ST5(2)	979	928	14	51
ST5(3)	1100	1057	5	43
ST5(4)	1360	1330	3	30
ST5(5)	1223	1180	14	43
ST5(6)	1391	1367	3	24
ST5(ave)	1170	1133	7	36