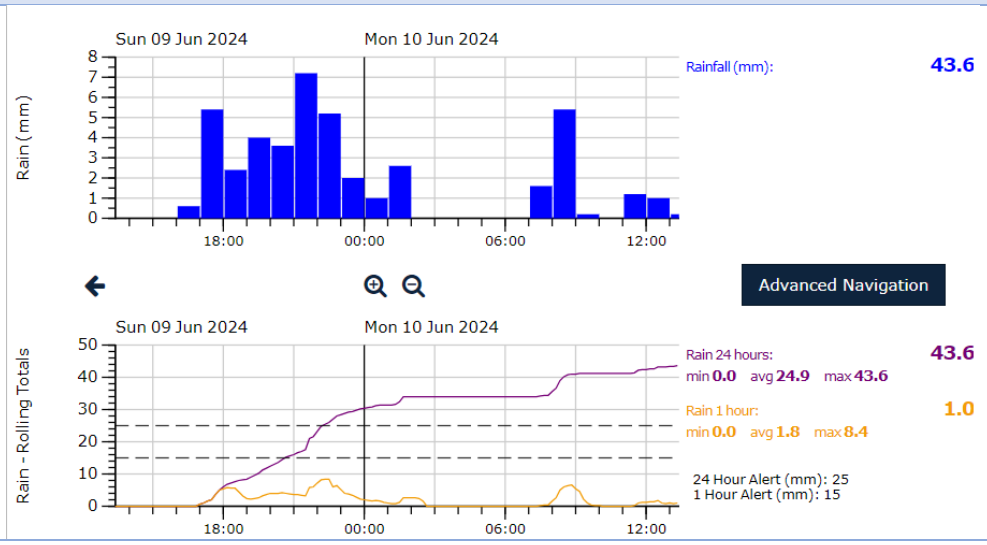
Trigger Inspection Report

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	09/06/2024	Time	22:20hrs
Trigger exceeded: >50 NTU			
Mimi	09/06/2024	Time	10:40 pm
Mangapepeke	09/06/2024	Time	09/06/2024 09:15 pm
NTU Exceeded at:	☒ Downstream Mimi	☒ Downstream Mangapepeke	

Rainfall Summary



Visual Inspection

SED.11b (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	DEB working well, no concerns
DEB-3980E	DEB has 100mm clarity at the outlet
DEB 12-1	DEB not discharging
SRP-2920N	SRP working well, no concerns
SRP-3180S	SRP working well, no concerns

Manual Sampling: ESC Devices

SED.11b (ii)

Device Name	pH		NTU		Discharging?
	Inlet	Outlet	Inlet	Outlet	
SRP-1	7.9	8.1	261	50	Yes
SRP-6D	6.8	7.6	151	20.6	Yes
SCY-SRP	7.87	7.65	940	39.4	Yes
SRP-4700E	8.2	8	654	44	Yes
SRP-F13	7.88	7.85	1147	206	Yes
DEB-F13	8.25	8.06	711	135	Yes
DEB-3980E	8.27	8.17	124	86.1	Yes
DEB 12-1	8.17	8.01	657	312	No
SRP-2920N	8.18	7.52	444	46.9	Yes
SRP-3180S	6.42	7.07	+1000	121	Yes

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/m³)	pH
WQ3 (Mimi Upstream)	91	7.3	300
WQ4 (Mimi Control)	240	7.4	1110
WQ5 (Mimi Downstream)	350	7.1	1500
WQ1 Mangapepeke Upstream	270	7.1	1390
WQ2b Mangapepeke Downstream	230	7.1	710

Comments

There was an increase in both NTU and TSS in the Mimi Catchment above the 20% threshold difference - control vs downstream. There were no issues identified for this trigger event upon inspection of the site. We cannot say conclusively what caused this increase other than localised stream conditions.

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 11/06/2024.

Measured 11/06/2024	Baseline	Stake top to ground level	Variation from previous reading	Variation from baseline (+ or -)
ST1(1)	906	932	2	-26
ST1(2)	928	950	-22	-22
ST1(3)	923	919	-12	4
ST1(4)	926	895	5	31
ST1(5)	900	924	9	-24
ST1 (ave)	917	924	-4	-7
ST2(1)	1160	1152	2	8
ST2(2)	1190	1180	1	10
ST2(3)	1295	1265	2	30
ST2(4)	1323	1313	-12	10
ST2(5)	1290	1292	-5	-2
ST2(ave)	1252	1240	-2	11
ST3(1)	1133	1124	-4	9
ST3(2)	1090	1040	0	50
ST3(3)	1131	1154	-4	-23
ST3(4)	1142	1123	-4	19
ST3(5)	1100	1103	-3	-3
ST3(6)	1222	1245	-5	-23
ST3(7)	1380	1398	2	-18
ST3(ave)	1171	1170	-3	2
ST4(1)	1240	1230	-1	10
ST4(2)	1272	1260	4	12
ST4(3)	1204	1191	-2	13
ST4(4)	1342	1324	3	18
ST4(5)	1280	1244	11	36
ST4(6)	1243	1220	3	23
ST4(ave)	1264	1245	3	19
ST5(1)	965	941	-1	24
ST5(2)	979	934	-32	45
ST5(3)	1100	1053	8	47
ST5(4)	1360	1325	-22	35
ST5(5)	1223	1170	-63	53
ST5(6)	1391	1370	-63	21
ST5(ave)	1170	1132	-29	38