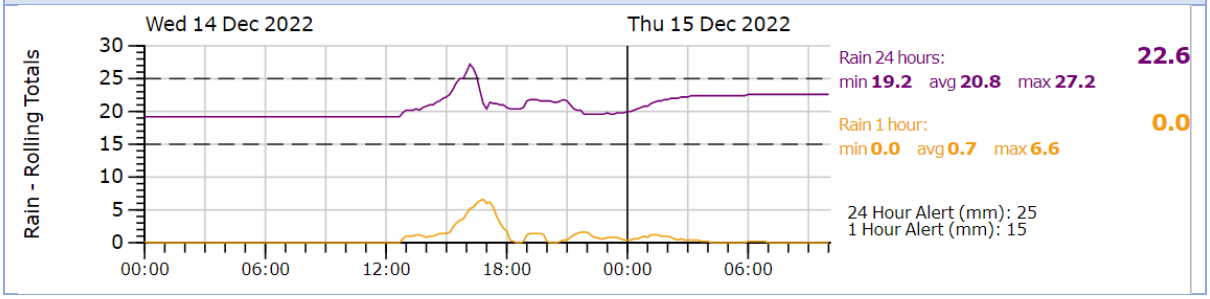
Trigger Inspection Report

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	29/11/2023	Time	1:00am
Trigger exceeded: >50 NTU			
Date		Time	
Date		Time	
NTU Exceeded at:	☐ Downstream Mimi	☐ Downstream Mangapepeke	

Rainfall Summary



Visual Inspection

SED.11b (i)

Area	Comments
Mimi Stream	No concerns, stream did not reach NTU trigger levels
Mangapepeke Stream	No concerns, stream did not reach NTU trigger levels
SRP-1	No concerns
SRP-6D	No concerns
SCY-SRP	No concerns
SRP4600E	No concerns
DEB4600E	No concerns
DEB-F14	No concerns
DEB-F13-1	No concerns
DEB-F12-1	No concerns

Manual Sampling: ESC Devices

SED.11b (ii)

Device Name	pH		NTU		Discharging?
	Inlet	Outlet	Inlet	Outlet	
SRP-1	7.93	7.96	46.9	14.98	
SCY-SRP	8.37	8.17	41.5	3.95	
SRP-6D	7.83	7.82	60.6	42.8	
SRP4700E	8.75	7.75	45.1	45.1	
DEB-F14	8.24	8.17	12.25	6.14	

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	pH	TSS (g/m³)
WQ3 Mimi Upstream	65	7.1	112
WQ4 Mimi Control	51	7.2	158
WQ5 Mimi Downstream	66	7.2	98
WQ1 Mangapepeke Upstream	115	7.0	400
WQ2b Mangapepeke Downstream	-	-	-

Comments

WQ2b sampler did not fill up during this event.

The NTU management threshold for Mimi discharge has been exceeded. The NTU has an increase of 25%, however the TSS results indicate a reduction of 47%. Due to the NTU levels being low and no issues recorded on site we do not believe this is attributed to our works.

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 29/11/2023

Measured 29/11/2023	Baseline	Stake top to ground level	Variation from previous reading	Variation from baseline (+ or -)
ST1(1)	906	935	1	-29
ST1(2)	928	930	2	-2
ST1(3)	923	897	0	26
ST1(4)	926	918	-7	8
ST1(5)	900	909	14	-9
ST1 (ave)	917	918	2	-1
ST2(1)	1160	1155	100	5
ST2(2)	1190	1184	2	6
ST2(3)	1295	1234	-69	61
ST2(4)	1323	1307	1	16
ST2(5)	1290	1297	-4	-7
ST2(ave)	1252	1235	6	16
ST3(1)	1133	1132	-2	1
ST3(2)	1090	1068	89	22
ST3(3)	1131	1165	-22	-34
ST3(4)	1142	1125	0	17
ST3(5)	1100	1110	-7	-10
ST3(6)	1222	1196	42	26
ST3(7)	1380	1308	73	72
ST3(ave)	1171	1158	25	13

ST4(1)	1240	1237	-8	3
ST4(2)	1272	1258	-14	14
ST4(3)	1204	1186	-15	18
ST4(4)	1342	1322	-7	20
ST4(5)	1280	1276	-26	4
ST4(6)	1243	1242	-4	1
ST4(ave)	1264	1254	-12	10
ST5(1)	965	959	-6	6
ST5(2)	979	943	-7	36
ST5(3)	1100	1061	2	39
ST5(4)	1360	1366	5	-6
ST5(5)	1223	1187	2	36
ST5(6)	1391	1372	3	19
ST5(ave)	1170	1148	0	22