



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	20/07/2024 and 22/07/2024	Time	7:30am and 12:40pm
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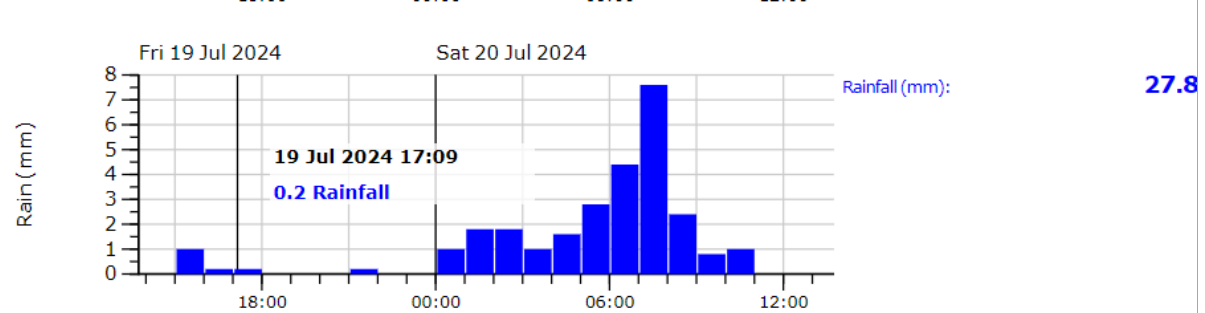
Trigger exceeded: >50 NTU

Mimi	20/07/24: 8:35am (no triggers on 22/07/2024)
Mangapepeke	20/07/24: 6:55am (no triggers on 22/07/2024)

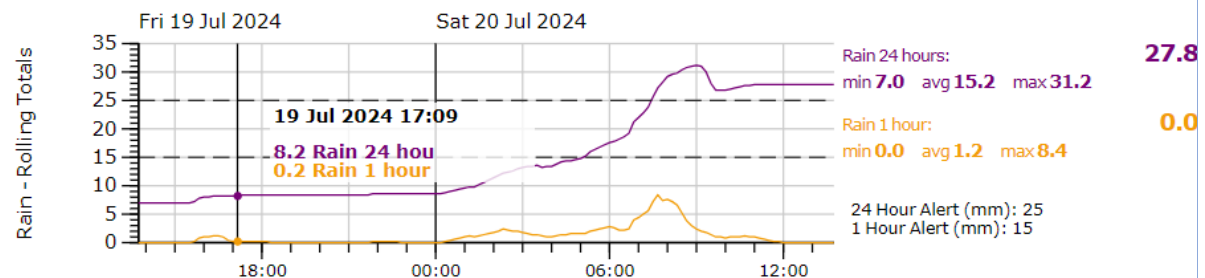
NTU Exceeded at: Downstream Mimi Downstream Mangapepeke

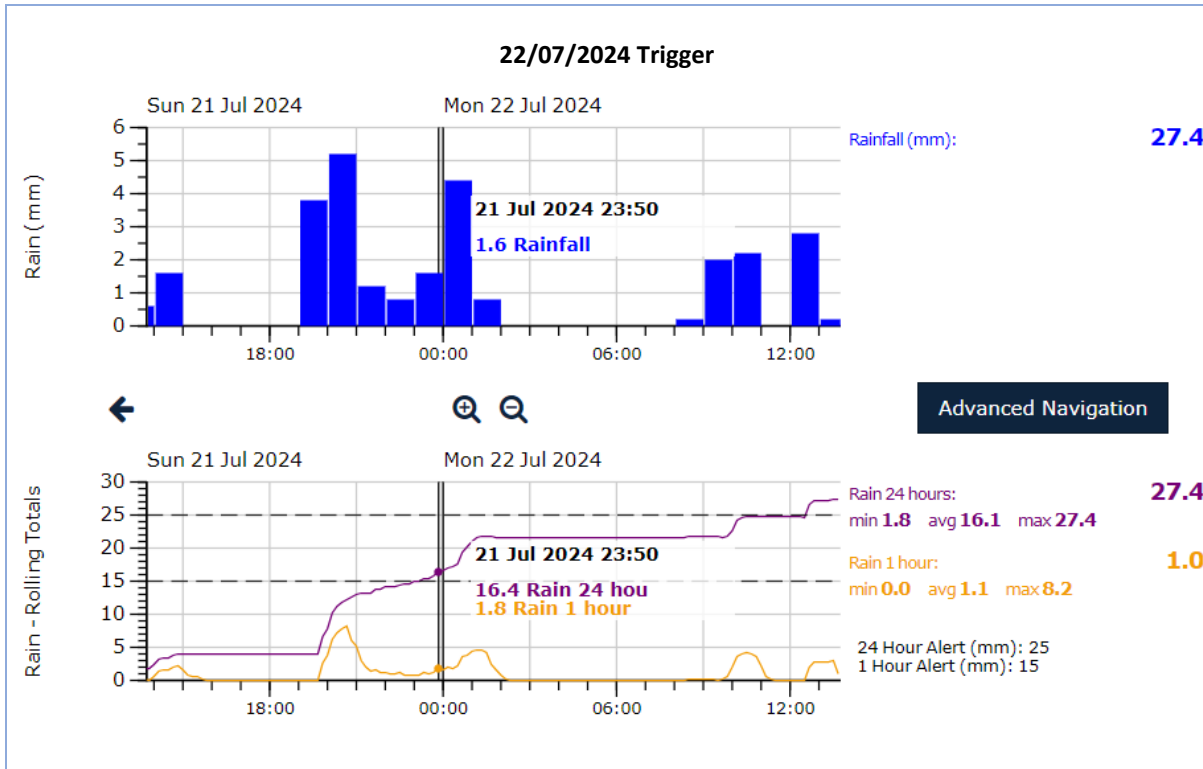
Rainfall Summary

20/07/2024 Trigger



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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	DEB working well, no concerns
DEB-3980E	DEB working well, no concerns
DEB 12-1	DEB working well, 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	6.91	7.01	227	35.2	Yes
SRP-6D	5.93	6.17	343	55.5	Yes
SCY-SRP	6.46	6.24	57.3	13.08	Yes
SRP-4700E	6.5	6.6	259	22	Yes
SRP-F13	6.8	6.7	788	91.5	Yes
DEB-F13	6.92	6.79	179	69.7	Yes



Manual Sampling: ESC Devices

SED.11b (ii)

Device Name	pH		NTU		Discharging?
	Inlet	Outlet	Inlet	Outlet	
DEB-3980E	7.02	7	173	82.2	Yes
DEB 12-1	7.04	7.01	865	225	No
SRP-2920N	6.77	6.43	932	43	Yes
SRP-3180S	6.2	6.39	978	76.5	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/m ³)	pH
WQ3 (Mimi Upstream)	74	300	6.9
WQ4 (Mimi Control)	330	1680	6.8
WQ5 (Mimi Downstream)	330	1570	6.9
WQ1 Mangapepeke Upstream	60	530	7.0
WQ2b Mangapepeke Downstream	88	177	6.8

Comments

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.11b (iv)

Sediment deposition data is collected once it is safe to do so. All measurements are in mm. Data collected on 23/07/2024.

Measured 23/07/2024	Baseline	Stake top to ground level	Variation from previous reading	Variation from baseline (+ or -)
ST1(1)	906	900	29	6
ST1(2)	928	934	0	-6
ST1(3)	923	908	1	15
ST1(4)	926	970	-48	-44
ST1(5)	900	909	23	-9
ST1 (ave)	917	924	1	-8
ST2(1)	1160	1152	2	8
ST2(2)	1190	1181	0	9
ST2(3)	1295	1269	1	26



ST2(4)	1323	1317	3	6
ST2(5)	1290	1295	-2	-5
ST2(ave)	1252	1243	1	9
ST3(1)	1133	1124	1	9
ST3(2)	1090	1040	-2	50
ST3(3)	1131	1152	-2	-21
ST3(4)	1142	1120	2	22
ST3(5)	1100	1103	9	-3
ST3(6)	1222	1241	7	-19
ST3(7)	1380	1392	8	-12
ST3(ave)	1171	1167	3	4
ST4(1)	1240	1231	4	9
ST4(2)	1272	1266	0	6
ST4(3)	1204	1196	-2	8
ST4(4)	1342	1327	-3	15
ST4(5)	1280	1272	-62	8
ST4(6)	1243	1246	-6	-3
ST4(ave)	1264	1256	-12	7
ST5(1)	965	942	-2	23
ST5(2)	979	945	0	34
ST5(3)	1100	1061	14	39
ST5(4)	1360	1332	-2	28
ST5(5)	1223	1191	3	32
ST5(6)	1391	1370	6	21
ST5(ave)	1170	1140	3	30