

Sediment Basin Water Monitoring - June 2017

Monitoring Location: POINT 1 - Sediment Basin Outlet

Wave/Portion	Contractor	Basin Name/ Number	Rainfall start date	Rainfall end date	Rainfall total (mL)	Date of Treatment	Date of Discharge	Volume of Discharge (KL)	EPL water quality parameters			Turbidity NTU 68 NTU (Seymour Whvrt)	Comments
									Oil & Grease	pH	TSS (mg/L)		
									Nil	6.5 – 8.5	Limit ≤ 50 mg/L		
Wave 3	FKG	77500W	10/06/2017	20/06/2017	281.2	20/06/2017	22/06/2017	427	Nil	7.83	Correlation	(NTU 4.3)	
Wave 3	FKG	77800	10/06/2017	20/06/2017	281.2	No Treatment	20/06/2017	442	Nil	7	Correlation	(NTU 25.1)	
Wave 3	FKG	78000	10/06/2017	20/06/2017	281.2	20/06/2017	21/06/2017	380	Nil	8.05	Correlation	(NTU 8.2)	
Wave 3	FKG	77500E	10/06/2017	20/06/2017	281.2	21/06/2017	25/06/2017	295	Nil	7	9	(lab sample taken)	
Wave 3	FKG	78450W	10/06/2017	20/06/2017	281.2	22/06/2017	23/06/2017	146	Nil	6.97	4	(lab sample taken)	
Wave 3	FKG	78450E	10/06/2017	20/06/2017	281.2	20/06/2017	27/06/2017	171	Nil	7.27	Correlation	62.6	
Wave 3	FKG	GH4	10/06/2017	20/06/2017	281.2	25/06/2017	26/06/2017	288	Nil	7.69	19	(lab sample taken)	
Wave 3	FKG	76450	10/06/2017	20/06/2017	281.2	26/06/2017	27/06/2017	448	Nil	7.25	16	(lab sample taken)	
Wave 3	FKG	76200	10/06/2017	20/06/2017	281.2	22/06/2017	26/06/2017	1142	Nil	7.29	Correlation	(NTU 54.5)	
Wave 3	FKG	75900	10/06/2017	20/06/2017	281.2	22/06/2017	27/06/2017	680	Nil	7.25	Correlation	(NTU 22.9)	
Wave 3	FKG	75200E	10/06/2017	20/06/2017	281.2	23/06/2017	25/06/2017	235	Nil	7.1	Correlation	(NTU 31.0)	
Wave 3	FKG	75200W	10/06/2017	20/06/2017	281.2	23/06/2017	25/06/2017	199	Nil	6.62	Correlation	(NTU 14.0)	
Wave 3	FKG	75500	10/06/2017	20/06/2017	281.2	22/06/2017	25/06/2017	132	Nil	7.02	Correlation	(NTU 35.2)	
Wave 3	FKG	69620	10/06/2017	20/06/2017	236.6	N/A	N/A	N/A	Nil	N/A	N/A	Dewatered using Water Carts	
Wave 3	FKG	1A 69075	10/06/2017	20/06/2017	236.6	N/A	N/A	N/A	Nil	N/A	N/A	Dewatered using Water Carts	
Wave 3	FKG	1B 68850	10/06/2017	20/06/2017	236.6	N/A	N/A	231	Nil	7.42	19	(lab sample taken)	
Wave 3	FKG	2A 68700	10/06/2017	20/06/2017	236.6	24/06/2017	25/06/2017	298	Nil	6.58	Correlation	(NTU 16.2)	
Wave 3	FKG	2B 68640	10/06/2017	20/06/2017	236.6	24/06/2017	24/06/2017	786	Nil	7.18	Correlation	(NTU 74.0)	
Wave 3	FKG	3B 68375	10/06/2017	20/06/2017	236.6	N/A	N/A	N/A	Nil	N/A	N/A	Sediment Basin taken offline	
Wave 3	FKG	4A 68090	10/06/2017	20/06/2017	236.6	21/06/2017	21/06/2017	575	Nil	8.09	11	(lab sample taken)	
Wave 3	FKG	5A 67960	10/06/2017	20/06/2017	236.6	22/06/2017	23/06/2017	763	Nil	7.15	31	(lab sample taken)	
Wave 3	FKG	5B 677750	10/06/2017	20/06/2017	236.6	N/A	N/A	N/A	Nil	N/A	N/A	Sediment Basin taken offline	
Wave 3	FKG	6A 67520	10/06/2017	20/06/2017	236.6	20/06/2017	25/06/2017	489	Nil	6.88	Correlation	(NTU 16.2)	
B	BMD	IEB02	9/06/2017	20/06/2017	378*	19/06/2017	23/06/2017	269	Nil	7.42	11	341.2mm at Iluka AWS over the rainfall period	341.2mm at Iluka AWS over the rainfall period
B	BMD	IEB01	9/06/2017	20/06/2017	378*	19/06/2017	23/06/2017	249	Nil	7.36	10	341.2mm at Iluka AWS over the rainfall period	341.2mm at Iluka AWS over the rainfall period
B	BMD	MC01	9/06/2017	20/06/2017	378*	19/06/2017	22/06/2017	295	Nil	7.3	35	341.2mm at Iluka AWS over the rainfall period 356.8mm at Ancillary Site 6.3 rain gauge over the rainfall period	356.8mm at Ancillary Site 6.3 rain gauge over the rainfall period 341.2mm at Iluka AWS over the rainfall period
B	BMD	MC02	9/06/2017	20/06/2017	378*	19/06/2017	23/06/2017	189	Nil	7.28	48	341.2mm at Iluka AWS over the rainfall period 356.8mm at Ancillary Site 6.3 rain gauge over the rainfall period	356.8mm at Ancillary Site 6.3 rain gauge over the rainfall period 341.2mm at Iluka AWS over the rainfall period
B	BMD	MC03	9/06/2017	20/06/2017	378*	19/06/2017	23/06/2017	993	Nil	7.21	15	341.2mm at Iluka AWS over the rainfall period 356.8mm at Ancillary Site 6.3 rain gauge over the rainfall period	356.8mm at Ancillary Site 6.3 rain gauge over the rainfall period 341.2mm at Iluka AWS over the rainfall period
IWP1	Golding	Mororo Basin MC01	10/06/2017	20/06/2017	341 mm	15th, 16th & 21st June	22/06/2017	2	Nil	7.34	36.1	Treated 15th & 16th June for dewatering Sat 17th - received additional xx mm rain on Sat 17th.	
Wave 5A	SWC	PB- 054660N	10/06/2017	18/06/2017	218.8	Multiple	19/06/2017	1053	Nil	7.2		50.1	
Wave 5A	SWC	PB- 055110N	10/06/2017	18/06/2017	218.8	Multiple	19/06/2017	1482	Nil	6.6		10.8	
Wave 5A	SWC	TB- 061750N	10/06/2017	18/06/2017	230.4	Multiple	21/06/2017						Dewatered by Watercart
Wave 5A	SWC	TB- 060780N	10/06/2017	18/06/2017	230.4	Multiple	21/06/2017						Dewatered by Watercart
Wave 5A	SWC	TB- 062840S	10/06/2017	18/06/2017	230.4	Multiple	22/06/2017	946	Nil	6.6		40.6	
Wave 5A	SWC	TB- 063540N	10/06/2017	18/06/2017	230.4	Multiple	21/06/2017	503	Nil	6.9		31.6	
Wave 5A	SWC	TB- 063890N	10/06/2017	20/06/2017	261.8	Multiple	22/06/2017	496	Nil	7		52.7	

Wave 5A	SWC	TB- 064530N	10/06/2017	20/06/2017	261.8	Multiple	20/06/2017	1316	Nil	6.7
Wave 5A	SWC	TB- 065570N	10/06/2017	20/06/2017	261.8	Multiple	21/06/2017	601	Nil	6.7
Wave 5A	SWC	TB- 066490N	10/06/2017	20/06/2017	261.8	Multiple	20/06/2017	2275	Nil	6.5
Wave 5A	SWC	TB- 067340N	10/06/2017	20/06/2017	261.8	Multiple	20/06/2017	715	Nil	7.19
Wave 5A	SWC	PB-039140	10/06/2017	18/06/2017	200.6	Multiple	22/06/2017	526	Nil	7.4
Wave 5A	SWC	TB- 039580N	10/06/2017	18/06/2017	200.6	Multiple	22/06/2017	1838	Nil	7.11
Wave 5A	SWC	TB- 039700N	10/06/2017	18/06/2017	200.6	Multiple	22/06/2017	1358	Nil	7.23
Wave 5A	SWC	TB- 040180N	10/06/2017	18/06/2017	200.6	Multiple	21/06/2017	842	Nil	7.73
Wave 5A	SWC	TB- 040870N	10/06/2017	18/06/2017	200.6	Multiple	22/06/2017	667	Nil	7.56
Wave 5A	SWC	TB- 041340	10/06/2017	18/06/2017	200.6	Multiple	16/06/2017	523	Nil	6.8
Wave 5A	SWC	PB- 042690S	10/06/2017	18/06/2017	200.6	Multiple	16/06/2017	121	Nil	6.5
Wave 5A	SWC	PB- 043490S	10/06/2017	18/06/2017	200.6	Multiple	22/06/2017	108	Nil	7.48
Wave 5A	SWC	PB- 044200S	10/06/2017	18/06/2017	200.6	Multiple	19/06/2017	116	Nil	8.0
Wave 5A	SWC	PB- 044470N	10/06/2017	18/06/2017	200.6	Multiple	20/06/2017	2420	Nil	7.7
Wave 5A	SWC	PB- 046000N	10/06/2017	18/06/2017	218.8	Multiple	20/06/2017	1475	Nil	7.5
Wave 5A	SWC	PB- 047020N	10/06/2017	18/06/2017	218.8	Multiple	22/06/2017	836	Nil	7.9
Wave 5A	SWC	PB- 047340N	10/06/2017	18/06/2017	218.8	Multiple	22/06/2017	433	Nil	8
Wave 5A	SWC	PB- 047710N	10/06/2017	18/06/2017	218.8	Multiple	19/06/2017	361	Nil	7.2
Wave 5A	SWC	PB- 048010S	10/06/2017	18/06/2017	218.8	Multiple	19/06/2017	1100	Nil	7.4
Wave 5A	SWC	TB- 048610S	10/06/2017	18/06/2017	218.8	Multiple	19/06/2017	436	Nil	7.9
Wave 5A	SWC	TB- 048780N	10/06/2017	18/06/2017	218.8	Multiple	19/06/2017	367	Nil	7.09
Wave 5A	SWC	TB- 050010N	10/06/2017	18/06/2017	218.8	Multiple	19/06/2017	356	Nil	8
Wave 5A	SWC	TB- 050360N	10/06/2017	18/06/2017	218.8	Multiple	22/06/2017	483	Nil	7.9
Wave 5A	SWC	TB- 051450N	10/06/2017	18/06/2017	218.8	Multiple	24/06/2017	501	Nil	7.8
Wave 5A	SWC	PB- 052390N	10/06/2017	18/06/2017	218.8	Multiple	24/06/2017	1832	Nil	7.58

54.8	
27.2	
53.2	
17.8	
58	
54	
59	
43	
55	
39.3	
23.5	
7	
10	
18	
14.9	
59	
10	
10	
60	
15	
10	
47	
59	
10	
30.1	