

Sediment Basin Water Monitoring - February 2020

Monitoring Location: POINT 1 - Sediment Basin Outlet

Licensee: Laing O'Rourke Australia Construction Pty Ltd
 Premises: Woolgoolga to Ballina Pacific Highway Upgrade Project, Harwood NSW 2465
 Licence No: 20713



Portion / Section	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				Comments
									Oil & Grease Nil	pH 6.5 - 8.5	TSS	Turbidity	
											Limit ≤ 50 mg/L	NTU	
				Limit - Varies per Contractor									
A S3	SWC	TB65570	4/02/2020	11/02/2020	239.2	11/02/2020	11/02/2020	500	Nil	8.2	6	24	
A S3	SWC	TB62150	4/02/2020	14/02/2020	321.4	14/02/2020	15/02/2020	750	Nil	8.1		35	
A S3	SWC	TB64530	4/02/2020	14/02/2020	345	15/02/2020	15/02/2020	800	Nil	6.8		24	
A S3	SWC	TB65570	4/02/2020	14/02/2020	345	15/02/2020	15/02/2020	550	Nil	7.2		24	
A S3	SWC	TB37020	4/02/2020	14/02/2020	551	15/02/2020	17/02/2020	700	Nil	8.2		60	
A S3	SWC	TB39030	4/02/2020	14/02/2020	446.2	15/02/2020	17/02/2020	460	Nil	7.5		40	
A S3	SWC	PB52680	4/02/2020	14/02/2020	402	16/02/2020	17/02/2020	500	Nil	7.3		24	
A S3	SWC	PB54660	4/02/2020	14/02/2020	402	16/02/2020	17/02/2020	600	Nil	7.4		35	
A S3	SWC	PB34850	4/02/2020	14/02/2020	551	15/02/2020	17/02/2020	300	Nil	7.8		50	
A S3	SWC	TB41800	4/02/2020	14/02/2020	446.2	16/02/2020	17/02/2020	2000	Nil	7.9		50	
A S3	SWC	TB59350	4/02/2020	14/02/2020	321.4	16/02/2020	18/02/2020	480	Nil	6.7		45	
A S3	SWC	TB64530	4/02/2020	14/02/2020	345	17/02/2020	18/02/2020	180	Nil	7.9		40	
A S3	SWC	TB65570	4/02/2020	14/02/2020	345	17/02/2020	18/02/2020	300	Nil	7.9		24	
A S3	SWC	TB67340	4/02/2020	14/02/2020	345	17/02/2020	18/02/2020	550	Nil	7.9		35	
A S3	SWC	TB62150	4/02/2020	18/02/2020	338	18/02/2020	19/02/2020	300	Nil	8.4		24	
A S3	SWC	PB68700	4/02/2020	18/02/2020	365.2	18/02/2020	19/02/2020	500	Nil	7.9	8	27	
A S3	SWC	PB36510	4/02/2020	18/02/2020	559.2	19/02/2020	21/02/2020	1800	Nil	8.1		50	
A S3	SWC	PB47020	4/02/2020	18/02/2020	473.2	20/02/2020	21/02/2020	500	Nil	7.8	24	30	
A S3	SWC	PB52390	4/02/2020	18/02/2020	409.6	20/02/2020	21/02/2020	700	Nil	7.8	32	27	
A S3	SWC	PB59880	4/02/2020	18/02/2020	409.6	20/02/2020	21/02/2020	1000	Nil	8.1		35	
A S3	SWC	TB62840	4/02/2020	18/02/2020	338	21/02/2020	21/02/2020	450	Nil	7.1		30	
A S3	SWC	TB65570	4/02/2020	18/02/2020	365.2	21/02/2020	21/02/2020	100	Nil	6.9		24	
A S3	SWC	PB68700	4/02/2020	18/02/2020	365.2	20/02/2020	21/02/2020	50	Nil	6.9		24	
A S3	SWC	TB41800	4/02/2020	22/02/2020	475	22/02/2020	22/02/2020	1700	Nil	8.1		30	
A S3	SWC	PB52680	4/02/2020	25/02/2020	461.2	25/02/2020	26/02/2020	700	Nil	8.1	25	40	
A S3	SWC	TB64530	4/02/2020	25/02/2020	434.4	27/02/2020	27/02/2020	480	Nil	6.7		24	
A S3	SWC	TB59350	4/02/2020	27/02/2020	403.6	28/02/2020	28/02/2020	500	Nil	7.8		30	
A S3	SWC	TB62840	4/02/2020	27/02/2020	403.6	28/02/2020	28/02/2020	300	Nil	7.4		32	
A S3	SWC	TB64530	4/02/2020	27/02/2020	460.2	28/02/2020	28/02/2020	100	Nil	6.6		24	
A S3	SWC	PB68700	4/02/2020	27/02/2020	460.2	28/02/2020	28/02/2020	350	Nil	7.9		35	
A S3	SWC	PB36150	4/02/2020	28/02/2020	616.2	28/02/2020	29/02/2020	1800	Nil	7.9	5	50	
A S3	SWC	TB41800	4/02/2020	28/02/2020	544.8	29/02/2020	29/02/2020	1700	Nil	8.4	12	35	
Portion B S5	Golding	SB 96100S	12/01/2020	21/01/2020	266.4	7/01/2020	7/01/2020	850	Nil	7.9	-	< 39	less than 39 (manual turbidity tube)
Portion B S5	Golding	Castles Basin C1	12/01/2020	21/01/2020	266.4	7/01/2020	7/01/2020	200	Nil	7.8	-	< 39	less than 39 (manual turbidity tube)
Portion B S5	Golding	Castles Basin C1	21/01/2020	26/01/2020	22	29/01/2020	31/01/2020	50	Nil	7.9	no sample		not discharged via outlet - emptied with water carts
Portion C S6	BMD	SB-CB	25/01/2020	26/01/2020	27.6	N/A	30/01/2020	700	Nil	7.57		21.2	TSS/Turbidity correlation approved
Portion C S6	BMD	SB-CB	25/01/2020	26/01/2020	27.6	N/A	30/01/2020	80	Nil	8.03		14.9	TSS/Turbidity correlation approved
Portion C S6	BMD	BMD-SB14	25/01/2020	26/01/2020	27.6	N/A	31/01/2020	100	Nil	7.24		45.6	TSS/Turbidity correlation approved
Portion C S6	BMD	SB-CB	4/02/2020	18/02/2020	528.2	17/02/2020	20/02/2020	100	Nil	8.41		24.2	TSS/Turbidity correlation approved
Portion C S6	BMD	SB-CB	4/02/2020	18/02/2020	528.2	17/02/2020	21/02/2020	50	Nil	8.39		20.6	TSS/Turbidity correlation approved
Portion C S6	BMD	SB-CB	22/02/2020	25/02/2020	54.8	24/02/2020	21/02/2020	100	Nil	8.35		43.4	TSS/Turbidity correlation approved
Portion D S10	Quickway	Lumleys Basin	4/02/2020	19/02/2020	430	20/02/2020	21/02/2020	2800	Nil	7	39		TSS/Turbidity correlation approved