

Sediment Basin Water Monitoring - July 2019

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 NTU	
											Limit ≤ 50 mg/L		
A S3	SWC	TB39580	24/06/2019	30/06/2019	42.7	1/07/2019	1/7/2019	400	Nil	7.70	8.00	40.00	
A S3	SWC	PB46000	24/06/2019	30/06/2019	53.4	1/07/2019	1/7/2019	600	Nil	7.60	19.00	45.00	
A S3	SWC	PB47020	24/06/2019	30/06/2019	53.4	1/07/2019	1/7/2019	500	Nil	8.10	14.00	30.00	
A S3	SWC	PB47340	24/06/2019	30/06/2019	53.4	1/07/2019	1/7/2019	350	Nil	8.30	18.00	10.00	
A S3	SWC	PB52680	24/06/2019	30/06/2019	80.8	1/07/2019	1/7/2019	800	Nil	8.40	9.00	30.00	
A S3	SWC	PB57010	24/06/2019	30/06/2019	57.6	1/07/2019	1/7/2019	100	Nil	7.60	15.00	24.00	
A S3	SWC	TB67520	24/06/2019	30/06/2019	59.6	1/07/2019	1/7/2019	110	Nil	7.00	2.00	24.00	
A S3	SWC	PB67940	24/06/2019	30/06/2019	59.6	1/07/2019	1/7/2019	480	Nil	7.90	3.00	24.00	
A S3	SWC	PB42690	24/06/2019	30/06/2019	53.4	2/07/2019	2/7/2019	70	Nil	8.30	6.00	50.00	
A S3	SWC	PB44200	24/06/2019	30/06/2019	53.4	2/07/2019	2/7/2019	100	Nil	8.40	15.00	50.00	
A S3	SWC	PB47020	24/06/2019	30/06/2019	53.4	1/07/2019	1/7/2019	100	Nil	8.10	14.00	30.00	
A S3	SWC	PB52680	24/06/2019	30/06/2019	80.8	1/07/2019	1/7/2019	400	Nil	7.20	9.00	30.00	
A S3	SWC	TB60780	24/06/2019	30/06/2019	57.6	1/07/2019	2/7/2019	700	Nil	8.10	28.00	30.00	
A S3	SWC	TB62150	24/06/2019	30/06/2019	57.6	2/07/2019	2/7/2019	800	Nil	7.60	20.00	24.00	
A S3	SWC	TB65570	24/06/2019	30/06/2019	59.6	2/07/2019	2/7/2019	380	Nil	7.10	13.00	24.00	
A S3	SWC	TB67080	24/06/2019	30/06/2019	59.6	2/07/2019	2/7/2019	600	Nil	7.20	3.00	24.00	
A S3	SWC	TB67340	24/06/2019	30/06/2019	59.6	2/07/2019	2/7/2019	100	Nil	7.00	5.00	24.00	
A S3	SWC	PB43490	24/06/2019	3/07/2019	53.4	3/07/2019	3/7/2019	50	Nil	8.40	4.00	40.00	
A S3	SWC	PB46000	24/06/2019	2/07/2019	53.4	3/07/2019	3/7/2019	600	Nil	6.80	16.00	35.00	
A S3	SWC	PB54660	24/06/2019	30/06/2019	80.8	1/07/2019	3/7/2019	1000	Nil	7.30	9.00	30.00	
A S3	SWC	PB56880	24/06/2019	30/06/2019	80.8	2/07/2019	3/7/2019	1000	Nil	7.70	25.00	30.00	
A S3	SWC	TB59350	24/06/2019	30/06/2019	57.6	2/07/2019	3/7/2019	600	Nil	6.60	7.00	30.00	
A S3	SWC	TB62150	24/06/2019	30/06/2019	57.6	2/07/2019	3/7/2019	700	Nil	7.10	33.00	24.00	
A S3	SWC	TB65570	24/06/2019	30/06/2019	59.6	2/07/2019	3/7/2019	250	Nil	7.40	1.00	24.00	
A S3	SWC	TB67520	24/06/2019	30/06/2019	59.6	1/07/2019	3/7/2019	100	Nil	7.90	1.00	35.00	
A S3	SWC	PB67940	24/06/2019	30/06/2019	59.6	1/07/2019	3/7/2019	100	Nil	7.90	1.00	24.00	
A S3	SWC	PB44470	24/06/2019	4/07/2019	53.4	4/07/2019	4/7/2019	800	Nil	6.80	9.00	45.00	
A S3	SWC	PB52390	24/06/2019	4/07/2019	53.4	4/07/2019	4/7/2019	700	Nil	6.60	16.00	45.00	
A S3	SWC	PB55110	24/06/2019	30/06/2019	80.8	2/07/2019	4/7/2019	1200	Nil	7.90	37.00	40.00	
A S3	SWC	PB56880	24/06/2019	30/06/2019	80.8	2/07/2019	4/7/2019	400	Nil	8.10	10.00	30.00	
A S3	SWC	TB67520	24/06/2019	4/07/2019	63.2	1/07/2019	4/7/2019	100	Nil	7.30	1.00	24.00	
A S3	SWC	PB67940	24/06/2019	4/07/2019	63.2	1/07/2019	4/7/2019	100	Nil	8.20	10.00	35.00	
A S3	SWC	TB68090	24/06/2019	4/07/2019	63.2	4/07/2019	4/7/2019	100	Nil	7.10	1.00	24.00	
A S3	SWC	TB59350	24/06/2019	8/07/2019	80.2	7/07/2019	8/7/2019	500	Nil	7.90	3.00	24.00	
A S3	SWC	TB67080	24/06/2019	8/07/2019	87.6	7/07/2019	8/7/2019	350	Nil	7.20	8.00	24.00	
A S3	SWC	TB67520	24/06/2019	8/07/2019	87.6	8/07/2019	8/7/2019	150	Nil	7.10	3.00	24.00	
A S3	SWC	PB67940	24/06/2019	8/07/2019	87.6	8/07/2019	8/7/2019	400	Nil	7.60	12.00	24.00	
A S3	SWC	PB34750	24/06/2019	7/07/2019	71.6	8/07/2019	9/7/2019	400	Nil	7.50	20.00	35.00	
A S3	SWC	PB46000	24/06/2019	7/07/2019	71.4	8/07/2019	9/7/2019	150	Nil	8.10	10.00	24.00	
A S3	SWC	PB52390	24/06/2019	7/07/2019	115.4	9/07/2019	9/7/2019	350	Nil	8.40	6.00	15.00	
A S3	SWC	PB54660	24/06/2019	8/07/2019	115.4	8/07/2019	9/7/2019	800	Nil	8.20	18.00	35.00	
A S3	SWC	TB59350	24/06/2019	8/07/2019	80.2	7/07/2019	9/7/2019	400	Nil	8.50	6.00	30.00	
A S3	SWC	TB60780	24/06/2019	8/07/2019	80.2	8/07/2019	9/7/2019	200	Nil	8.30	6.00	35.00	
A S3	SWC	TB64530	24/06/2019	8/07/2019	87.6	8/07/2019	9/7/2019	600	Nil	8.30	7.00	24.00	
A S3	SWC	TB65570	24/06/2019	8/07/2019	87.6	9/07/2019	9/7/2019	200	Nil	7.30	7.00	24.00	
A S3	SWC	TB67520	24/06/2019	8/07/2019	87.6	8/07/2019	9/7/2019	100	Nil	7.80	2.00	24.00	
A S3	SWC	PB34750	24/06/2019	7/07/2019	71.6	8/07/2019	10/7/2019	200	Nil	8.30	8.00	40.00	
A S3	SWC	PB37020	24/06/2019	7/07/2019	71.6	9/07/2019	10/7/2019	300	Nil	7.40	1.00	24.00	
A S3	SWC	PB56880	24/06/2019	8/07/2019	115.4	9/07/2019	10/7/2019	800	Nil	8.10	15.00	35.00	
A S3	SWC	TB65570	24/06/2019	8/07/2019	87.6	9/07/2019	10/7/2019	50	Nil	7.20	1.00	24.00	
A S3	SWC	PB34850	24/06/2019	7/07/2019	71.6	10/07/2019	11/7/2019	500	Nil	7.50	9.00	35.00	
A S3	SWC	TB67340	24/06/2019	7/07/2019	87.6	11/07/2019	11/7/2019	100	Nil	7.50	27.00	38.00	
A S3	SWC	PB55110	24/06/2019	8/07/2019	115.4	11/07/2019	12/7/2019	1000	Nil	8.10	24.00	55.00	
A S3	SWC	TB62150	24/06/2019	8/07/2019	80.2	12/07/2019	12/7/2019	550	Nil	8.30	4.00	24.00	
A S3	SWC	TB37620	24/06/2019	7/07/2019	71.6	9/07/2019	12/7/2019	450	Nil	7.00	2.00	20.00	
A S3	SWC	TB62150	24/06/2019	8/07/2019	80.2	12/07/2019	13/7/2019	200	Nil	8.30	4.00	24.00	
A S3	SWC	PB67940	N/A	N/A	-	15/07/2019	15/7/2019	150	Nil	8.30	4.00	24.00	Dewatered for basin maintenance
A S3	SWC	PB68090	N/A	N/A	-	16/07/2019	16/7/2019	70	Nil	7.30	2.00	24.00	Dewatered to increase basin capacity
A S4	BGC	SB 77500 E	24/06/2019	29/06/2019	0.1	2/07/2019	4/7/2019	290	Nil	8.19		45.5	
A S4	BGC	SB 77120	24/06/2019	29/06/2019	0.1	3/07/2019	4/7/2019	1200	Nil	7.52		67.3	
A S4	BGC	SB 75200 W	24/06/2019	29/06/2019	0.1	2/07/2019	4/7/2019	448	Nil	8.48		78.5	
A S4	BGC	SB 69620	24/06/2019	30/06/2019	0.1	Not required	3/7/2019	900	Nil	8.07		69.5	
A S4	BGC	SB 77500 E	5/07/2019	9/07/2019	0.0	10/07/2019	11/7/2019	200	Nil	8.03	27	32	TSS from EAL
A S4	BGC	SB 78450 W	5/07/2019	9/07/2019	0.0	Not required	11/7/2019	200	Nil	7.63		40.1	
A S4	BGC	SB 78400 E	5/07/2019	9/07/2019	0.0	11/07/2019	11/7/2019	2000	Nil	7.71	12	21	TSS from EAL
A S4	BGC	SB 75200 W	5/07/2019	9/07/2019	0.0	Not required	10/7/2019	448	Nil			74.9	
A S4	BGC	SB 75500	5/07/2019	9/07/2019	0.0	Not required	13/7/2019	1516	Nil			63.9	
A S4	BGC	SB 77500 W	24/06/2019	29/06/2019	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 78450 W	24/06/2019	29/06/2019	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 78400 E	24/06/2019	29/06/2019	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 75500	24/06/2019	29/06/2019	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 68910	24/06/2019	30/06/2019	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 69610 W	24/06/2019	30/06/2019	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 69052	24/06/2019	30/06/2019	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 77500 W	5/07/2019	9/07/2019	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 77120	5/07/2019	9/07/2019	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 68910	4/07/2019	8/07/2019	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
A S4	BGC	SB 69052	4/07/2019	8/07/2019	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin is compliant
C S6	BMD	BMD-SB14	4/07/2019	8/07/2019	58.4	8/07/2019	10-Jul-19	500	Nil	7.58	10.3	12	TSS / turbidity correlation approved
D	Lend/Lease	Gibsons Quarry CH148450	2/06/2019	3/06/2019	28.2	N/A	4/6/2019	1800	Nil	8.00	8.00	20.50	This area is an internal floor of a quarry.

D	Lend/Lease	Gibsons Quarry CH148450	8/06/2019	13/06/2019	12.4	N/A	13/6/2019	1800	Nil	8.30	2.00	15.41	This area is an internal floor of a quarry.
D	Lend/Lease	Gibsons Quarry CH148450	8/07/2019	17/05/2019	20.6	N/A	17/6/2019	1800	Nil	8.00	2.00	10.65	This area is an internal floor of a quarry.
D	Lend/Lease	Gibsons Quarry CH148450	8/07/2019	17/05/2019	20.6	N/A	18/6/2019	1800	Nil	8.00	9.00	13.54	This area is an internal floor of a quarry.
D	Lend/Lease	Lumleys Basin CH152200	24/06/2019	2/07/2019	138.0	N/A	2/7/2019	3200	Nil	7.30	19.00	50.20	
D	Lend/Lease	Lumleys Basin CH152200	24/06/2019	3/07/2019	138.2	N/A	3/7/2019	3200	Nil	8.00	26.00	48.20	
D	Lend/Lease	Lumleys Basin CH152200	24/06/2019	4/07/2019	141.2	N/A	4/7/2019	3200	Nil	7.50	17.00	47.90	
D	Lend/Lease	Lumleys Basin CH152200	24/06/2019	10/07/2019	186.8	N/A	12/7/2019	3200	Nil	7.70	21.00	46.70	
D	Lend/Lease	Lumleys Basin CH152200	24/06/2019	10/07/2019	186.8	N/A	13/7/2019	3200	Nil	7.80	26.00	47.20	
D	Lend/Lease	Lumleys Basin CH152200	24/06/2019	10/07/2019	186.8	N/A	15/7/2019	3200	Nil	7.80	25.00	25.60	
D	Lend/Lease	Lumleys Basin CH152200	24/06/2019	10/07/2019	186.8	N/A	16/7/2019	3200	Nil	8.10	5.00	18.40	