

## Sediment Basin Water Monitoring - December 2018

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			Turbidity NTU - Varies per Contractor	Comments
									Oil & Grease Nil	pH 6.5 - 8.5	TSS (mg/L)		
									Limit ≤ 50 mg/L	6.5 – 8.5	Limit ≤ 50 mg/L		
A	Seymour Whyte	PB- 034850N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	200	Nil	8.1	<1	35	
A	Seymour Whyte	PB- 036510N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	300	Nil	7.9	1	45	
A	Seymour Whyte	PB- 042690S	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	75	Nil	7.9	<1	30	
A	Seymour Whyte	PB- 043490S	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	200	Nil	7.6	<1	5	
A	Seymour Whyte	PB- 044200S	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	100	Nil	7.9	<1	45	
A	Seymour Whyte	PB- 044470N	12/12/2018	22/12/2018	239	27/12/2018	27/12/2018	350	Nil	8	4	50	
A	Seymour Whyte	PB- 046000N	12/12/2018	22/12/2018	214.4	27/12/2018	27/12/2018	250	Nil	8.1	1	45	
A	Seymour Whyte	PB- 047020N	12/12/2018	22/12/2018	214.4	27/12/2018	27/12/2018	150	Nil	7.8	14	30	
A	Seymour Whyte	PB- 047340N	12/12/2018	22/12/2018	214.4	27/12/2018	27/12/2018	75	Nil	7.8	<1	34	
A	Seymour Whyte	PB- 047710N	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	200	Nil	8	10	40	
A	Seymour Whyte	PB- 048010S	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	300	Nil	7.8	2	30	
A	Seymour Whyte	PB- 052390N	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	400	Nil	7.9	22	30	
A	Seymour Whyte	PB- 052680N	13/12/2018	22/12/2018	214.4	18/12/2018	18/12/2018	400	Nil	6.6	35	30	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 052680N	13/12/2018	22/12/2018	214.4	19/12/2018	20/12/2018	300	Nil	6.8	1	35	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 052680N	13/12/2018	22/12/2018	214.4	19/12/2018	21/12/2018	100	Nil	6.9	3	24	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 054660N	13/12/2018	22/12/2018	214.4	19/12/2018	21/12/2018	600	Nil	7.1	16	20	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 055110N	13/12/2018	22/12/2018	214.4	19/12/2018	19/12/2018	800	Nil	6.9	7	40	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 055110N	13/12/2018	22/12/2018	214.4	20/12/2018	21/12/2018	600	Nil	6.8	21	35	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 055110N	13/12/2018	22/12/2018	214.4	22/12/2018	22/12/2018	300	Nil	7.1	11	30	
A	Seymour Whyte	PB- 056880N	13/12/2018	22/12/2018	235	18/12/2018	18/12/2018	800	Nil	6.5	9	50	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 056880N	13/12/2018	22/12/2018	235	19/12/2018	19/12/2018	1000	Nil	6.7	9	35	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 056880N	13/12/2018	22/12/2018	235	19/12/2018	20/12/2018	150	Nil	6.8	5	30	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 056880N	13/12/2018	22/12/2018	235	20/12/2018	21/12/2018	700	Nil	6.9	15	10	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 056880N	13/12/2018	22/12/2018	235	21/12/2018	22/12/2018	400	Nil	6.7	11	10	
A	Seymour Whyte	PB- 067940N	13/12/2018	22/12/2018	217	18/12/2018	18/12/2018	400	Nil	6.9	34	40	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 067940N	13/12/2018	22/12/2018	217	19/12/2018	20/12/2018	250	Nil	6.8	4	25	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 067940N	13/12/2018	22/12/2018	217	20/12/2018	21/12/2018	500	Nil	6.7	14	30	basin discharged during break in rain event, refer
A	Seymour Whyte	PB- 067940N	13/12/2018	22/12/2018	217	22/12/2018	23/12/2018	350	Nil	6.9	13	25	
A	Seymour Whyte	TB- 037020S	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	150	Nil	7.9	<1	55	
A	Seymour Whyte	TB- 037370N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	100	Nil	7.9	4	40	
A	Seymour Whyte	TB- 037620N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	175	Nil	7.7	3	50	
A	Seymour Whyte	TB- 037810N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	175	Nil	7.9	2	55	
A	Seymour Whyte	TB- 038010N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	100	Nil	7.9	1	40	
A	Seymour Whyte	TB- 038070N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	75	Nil	7.4	<1	30	
A	Seymour Whyte	TB- 038180N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	150	Nil	8	<1	35	
A	Seymour Whyte	TB- 038480N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	100	Nil	7.8	1	30	
A	Seymour Whyte	TB- 038550N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	125	Nil	8	<1	40	
A	Seymour Whyte	TB- 039030N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	200	Nil	7.9	<1	30	
A	Seymour Whyte	TB- 039580N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	120	Nil	7.9	14	11	
A	Seymour Whyte	TB- 039700N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	350	Nil	8.1	5	40	
A	Seymour Whyte	TB- 040870N	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	75	Nil	8.1	1	5	
A	Seymour Whyte	TB- 041340S	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	200	Nil	7.9	5	35	
A	Seymour Whyte	TB- 041800 Ave	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	450	Nil	8	2	42	
A	Seymour Whyte	TB- 042500S	12/12/2018	22/12/2018	239	24/12/2018	24/12/2018	100	Nil	8.2	<1	50	
A	Seymour Whyte	TB- 048610S	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	100	Nil	7.9	5	45	
A	Seymour Whyte	TB- 048780N	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	150	Nil	8	6	45	
A	Seymour Whyte	TB- 050010N	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	150	Nil	7.9	27	35	
A	Seymour Whyte	TB- 050360N	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	150	Nil	8	15	40	
A	Seymour Whyte	TB- 051450N	12/12/2018	22/12/2018	214.4	24/12/2018	24/12/2018	175	Nil	7.9	7	30	
A	Seymour Whyte	TB- 053660N	13/12/2018	22/12/2018	214.4	19/12/2018	19/12/2018	1000	Nil	6.7	11	24	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 053660N	13/12/2018	22/12/2018	214.4	20/12/2018	21/12/2018	550	Nil	6.9	1	10	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 053830N	13/12/2018	22/12/2018	214.4	18/12/2018	18/12/2018	500	Nil	6.5	6	28	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 053830N	13/12/2018	22/12/2018	214.4	19/12/2018	21/12/2018	550	Nil	7.2	4	10	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 057260N	13/12/2018	22/12/2018	235	20/12/2018	21/12/2018	400	Nil	6.7	9	20	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 057260N	13/12/2018	22/12/2018	235	21/12/2018	22/12/2018	400	Nil	8.4	7	40	
A	Seymour Whyte	TB- 059210N	13/12/2018	22/12/2018	235	18/12/2018	18/12/2018	500	Nil	7.9	11	50	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 059210N	13/12/2018	22/12/2018	235	20/12/2018	21/12/2018	250	Nil	8.4	11	40	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 059350N	13/12/2018	22/12/2018	235	20/12/2018	21/12/2018	450	Nil	7.2	13	10	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 060030N	13/12/2018	22/12/2018	235	18/12/2018	18/12/2018	350	Nil	7.3	3	20	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 060030N	13/12/2018	22/12/2018	235	19/12/2018	19/12/2018	300	Nil	6.8	1	10	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 060030N	13/12/2018	22/12/2018	235	22/12/2018	22/12/2018	100	Nil	6.6	1	30	
A	Seymour Whyte	TB- 060780N	13/12/2018	22/12/2018	235	19/12/2018	19/12/2018	300	Nil	7	19	30	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 060780N	13/12/2018	22/12/2018	235	19/12/2018	19/12/2018	500	Nil	6.8	15	10	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 062840S	13/12/2018	22/01/1900	235	18/12/2018	18/12/2018	300	Nil	6.9	4	35	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 062840S	13/12/2018	22/12/2018	235	19/12/2018	19/12/2018	150	Nil	6.8	17	30	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 062840S	13/12/2018	22/12/2018	235	20/12/2018	21/12/2018	200	Nil	7.1	6	25	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 062840S	13/12/2018	22/12/2018	235	21/12/2018	22/12/2018	200	Nil	7.1	11	35	
A	Seymour Whyte	TB- 063540N	13/12/2018	22/12/2018	235	21/12/2018	22/12/2018	300	Nil	6.9	7	35	
A	Seymour Whyte	TB- 063890N	13/12/2018	22/12/2018	217	18/12/2018	19/12/2018	300	Nil	7.4	15	40	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 063890N	13/12/2018	22/12/2018	217	19/12/2018	20/12/2018	200	Nil	6.6	19	35	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 063890N	13/12/2018	22/12/2018	217	21/12/2018	21/12/2018	250	Nil	6.9	6	25	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 064530N	13/12/2018	22/12/2018	217	22/12/2018	22/12/2018	200	Nil	6.6	3	25	
A	Seymour Whyte	TB- 065570N	13/12/2018	22/12/2018	217	18/12/2018	18/12/2018	500	Nil	6.7	3	30	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 065570N	13/12/2018	22/12/2018	217	18/12/2018	19/12/2018	300	Nil	6.8	5	30	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 065570N	13/12/2018	22/12/2018	217	22/12/2018	22/12/2018	200	Nil	8.1	10	25	
A	Seymour Whyte	TB- 066490N	13/12/2018	22/12/2018	217	17/12/2018	17/12/2018	400	Nil	6.6	11	30	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 066490N	13/12/2018	22/12/2018	217	18/12/2018	18/12/2018	400	Nil	6.7	1	25	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 066490N	13/12/2018	22/12/2018	217	19/12/2018	20/12/2018	200	Nil	6.9	6	25	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 067080N	13/12/2018	22/12/2018	217	19/12/2018	20/12/2018	500	Nil	6.8	10	30	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 067080N	13/12/2018	22/12/2018	217	20/12/2018	21/12/2018	150	Nil	7.1	9	30	basin discharged during break in rain event, refer

A	Seymour Whyte	TB- 067340N	13/12/2018	22/12/2018	217	18/12/2018	18/12/2018	500	Nil	6.9	6	25	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 067340N	13/12/2018	22/12/2018	217	19/12/2020	20/12/2018	150	Nil	6.6	2	11.6	
A	Seymour Whyte	TB- 067520N	13/12/2018	22/12/2018	217	18/12/2018	18/12/2018	500	Nil	6.6	12	50	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 067520N	13/12/2018	22/12/2018	217	18/12/2018	19/12/2018	400	Nil	6.7	18	40	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 067520N	13/12/2018	22/12/2018	217	20/12/2018	21/12/2018	400	Nil	6.9	8	25	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 068090N	13/12/2018	22/12/2018	217	18/12/2018	19/12/2018	400	Nil	6.7	12	45	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 068090N	13/12/2018	22/12/2018	217	20/12/2018	20/12/2018	500	Nil	6.7	30	35	basin discharged during break in rain event, refer
A	Seymour Whyte	TB- 068090N	13/12/2018	22/12/2018	217	20/12/2018	22/12/2018	400	Nil	6.8	28	25	
A	Seymour Whyte	TB- 068090N	13/12/2018	22/12/2018	217	23/12/2018	23/12/2018	180	Nil	6.7	3	25	
A	Seymour Whyte	TB-062150N	13/12/2018	22/12/2018	235	23/12/2018	23/12/2018	600	Nil	8.3	17	35	
A	Seymour Whyte	PB- 067940N	Basin discharged for xmas shutdown prep		N/A	5/12/2018	05/12/2018	200	Nil	6.6	1	24	Basin discharged for xmas shutdown prep
A	Seymour Whyte	TB- 067080N	Basin discharged for basin de-silting maintenance		N/A	7/12/2018	07/12/2018	50	Nil	7.1	16	45	Basin discharged for basin de-silting maintenance
A	Seymour Whyte	TB- 067340N	Basin discharged for xmas shutdown prep		N/A	6/12/2018	06/12/2018	150	Nil	7	2	25	Basin discharged for xmas shutdown prep
A	Seymour Whyte	TB-062150N	Basin discharged for xmas shutdown prep		N/A	12/12/2018	12/12/2018	150	Nil	8.4	8	25	Basin discharged for xmas shutdown prep
A	Seymour Whyte	TB-062150N	Basin discharged for xmas shutdown prep		N/A	12/12/2018	13/12/2018	100	Nil	8.4	5	25	Basin discharged for xmas shutdown prep
A S4	BGC	SB 75500W	28/11/2018	29/11/2018	16.2	18/12/2018	30/11/2018	700	Nil	7.88	31	38	Outstanding TSS results from November EPL
A S4	BGC	SB 77500 E	12/12/2018	17/12/2018	92.4	18/12/2018	19/12/2018	1140	Nil	7.08	19	76.8	
A S4	BGC	SB 78450 E	12/12/2018	17/12/2018	92.4	18/12/2018	19/12/2018	2340	Nil	6.81	25	53.8	
A S4	BGC	SB 76450	12/12/2018	17/12/2018	92.4	18/12/2018	19/12/2018	781	Nil	7.66		74.6	
A S4	BGC	SB 77120	12/12/2018	17/12/2018	92.4	18/12/2018	20/12/2018	1364	Nil	8.26		48.2	
A S4	BGC	SB 75200W	12/12/2018	17/12/2018	92.4	18/12/2018	19/12/2018	213	Nil	7.57		79.1	
A S4	BGC	SB 69620	12/12/2018	17/12/2018	138.8	18/12/2018	19/12/2018	1184	Nil	7.88	7	65.2	
A S4	BGC	SB 68910 W	12/12/2018	17/12/2018	138.8	18/12/2018	19/12/2018	283	Nil	7.32		31.3	
A S4	BGC	SB 69610 W	12/12/2018	17/12/2018	138.8	18/12/2018	18/12/2018	390	Nil	7.44		56.6	
A S4	BGC	SB 69052 W	12/12/2018	17/12/2018	138.8	17/12/2018	19/12/2018	397	Nil	6.73		67.5	
A S4	BGC	SB 77500 E	20/12/2018	22/12/2018	48.2	21/12/2018	24/12/2018	1140	Nil	7.47		57.9	
A S4	BGC	SB 78450 W	20/12/2018	22/12/2018	48.2	21/12/2018	24/12/2018	1140	Nil	7.66	10	78.8	
A S4	BGC	SB 78450 E	20/12/2018	22/12/2018	48.2	21/12/2018	24/12/2018	2340	Nil	7.49	13	69.1	
A S4	BGC	SB 76450	20/12/2018	22/12/2018	48.2	21/12/2018	24/12/2018	781	Nil	7.81		77.6	
A S4	BGC	SB 75200W	20/12/2018	22/12/2018	48.2	21/12/2018	24/12/2018	213	Nil	7.53		76.6	
A S4	BGC	SB 69620	20/12/2018	22/12/2018	53.8	21/12/2018	24/12/2018	1184	Nil	7.42		31.3	
A S4	BGC	SB 68910W	20/12/2018	22/12/2018	53.8	21/12/2018	24/12/2018	283	Nil	6.92	10	58.3	
A S4	BGC	SB 69610 W	20/12/2018	22/12/2018	53.8	21/12/2018	24/12/2018	200	Nil	7.81		61.8	
A S4	BGC	SB 69052	20/12/2018	22/12/2018	53.8	21/12/2018	24/12/2018	397	Nil	8.31		43.5	
A S4	BGC	SB 75500W	20/12/2018	22/12/2018	53.8	21/12/2018	24/12/2018	1000	Nil	7.94	18	79.8	
B	Golding	Castle Nth Sed Dam	12/12/2018	23/12/2018	88	N/A	20/12/2018	260	Nil	7.2	35	N/A	no discharges from outlet - dewatered via cart as
B	Golding	Castle Sed Basin	12/12/2018	23/12/2018	88	N/A	20/12/2018	200	Nil	7.2	35	N/A	no discharges from outlet - dewatered via cart as
B	Golding	Garrett ASSTA	12/12/2018	23/12/2018	88	N/A	20/12/2018	230	Nil	7.2	35	N/A	no discharges from outlet - dewatered via cart as
E	AFHJV	Sediment Basin 2	16/12/2018	19/12/2018	47.8	N/A	20/12/2018	360m3	Nil	8.41	1	14	
E	AFHJV	Sediment Basin 1	21/12/2018	25/12/2018	40.6	N/A	27/12/2018	150m3	Nil	8.34	2	10.3	
E	AFHJV	Sediment Basin 2	21/12/2018	25/12/2018	40.6	N/A	27/12/2018	300m3	Nil	8.4	21	3.3	