

## Sediment Basin Water Monitoring - August 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	Comments	
									Oil & Grease Nil	pH 6.5 - 8.5	TSS (mg/L)			
									Nil	6.5 - 8.5	Limit ≤ 50 mg/L	Limit - Varies per Contractor		
Portion A	SWC	57260	25/08/2018	27/08/2018	31.2	27/08/2018	27/08/2018	400	Nil	6.70	9	36		
Portion A	SWC	59210	25/08/2018	27/08/2018	31.2	27/08/2018	27/08/2018	270	Nil	6.70	2	12		
Portion A	SWC	63890	25/08/2018	27/08/2018	45.2	27/08/2018	27/08/2018	50	Nil	7.80	4	6		
Portion A	SWC	65570	25/08/2018	27/08/2018	45.2	27/08/2018	27/08/2018	130	Nil	8.20	7	13		
Portion A	SWC	67080	25/08/2018	27/08/2018	45.2	27/08/2018	27/08/2018	300	Nil	7.70	21	38		
Portion A	SWC	67340	25/08/2018	27/08/2018	45.2	27/08/2018	27/08/2018	300	Nil	7.00	19	18		
Portion A	SWC	57260	25/08/2018	27/08/2018	31.2	27/08/2018	28/08/2018	150	Nil	6.70	11	21		
Portion A	SWC	59350	25/08/2018	27/08/2018	31.2	28/08/2018	28/08/2018	400	Nil	7.20	2	5		
Portion A	SWC	67080	25/08/2018	27/08/2018	45.2	27/08/2018	28/08/2018	200	Nil	7.50	21	42		
Portion A	SWC	68090	25/08/2018	27/08/2018	45.2	27/08/2018	28/08/2018	300	Nil	7.20	23	27		
Portion A	SWC	56880	25/08/2018	27/08/2018	31.2	28/08/2018	29/08/2018	300	Nil	6.50	2	4		
Portion A	SWC	57010	25/08/2018	27/08/2018	31.2	28/08/2018	29/08/2018	150	Nil	6.50	12	23		
Portion A	SWC	64530	25/08/2018	27/08/2018	45.2	29/08/2018	29/08/2018	350	Nil	7.80	12	8		
Portion A	SWC	65570	25/08/2018	27/08/2018	45.2	27/08/2018	29/08/2018	80	Nil	7.50	1	2		
Portion A	SWC	68700	25/08/2018	27/08/2018	45.2	29/08/2018	29/08/2018	500	Nil	7.60	14	13		
Portion A	SWC	36510	25/08/2018	27/08/2018	56.4	29/08/2018	29/08/2018	350	Nil	7.20	3	33	waiting for results from lab, will forward when received	
Portion A	SWC	37020	25/08/2018	27/08/2018	56.4	29/08/2018	29/08/2018	250	Nil	7.40	7	30	waiting for results from lab, will forward when received	
Portion A	SWC	37370	25/08/2018	27/08/2018	56.4	28/08/2018	28/08/2018	400	Nil	7.60	12	20	waiting for results from lab, will forward when received	
Portion A	SWC	37620	25/08/2018	27/08/2018	56.4	29/08/2018	29/08/2018	330	Nil	8.30	7	35	waiting for results from lab, will forward when received	
Portion A	SWC	39030	25/08/2018	27/08/2018	56.4	28/08/2018	28/08/2018	400	Nil	6.80	6	20	waiting for results from lab, will forward when received	
Portion A	SWC	39580	25/08/2018	27/08/2018	56.4	30/08/2018	30/08/2018	400	Nil	6.70	7	50	waiting for results from lab, will forward when received	
Portion A	SWC	41340	25/08/2018	27/08/2018	56.4	28/08/2018	28/08/2018	350	Nil	7.70	18	24	waiting for results from lab, will forward when received	
Portion A	SWC	41340	25/08/2018	27/08/2018	56.4	29/08/2018	29/08/2018	100	Nil	7.40	1	24	waiting for results from lab, will forward when received	
Portion A	SWC	43490	25/08/2018	27/08/2018	56.4	28/08/2018	28/08/2018	250	Nil	7.30	6	24	waiting for results from lab, will forward when received	
Portion A	SWC	46000	25/08/2018	27/08/2018	43.8	28/08/2018	28/08/2018	320	Nil	8.20	7	14	waiting for results from lab, will forward when received	
Portion A	SWC	47020	25/08/2018	27/08/2018	43.8	30/08/2018	30/08/2018	650	Nil	7.90	36	24	waiting for results from lab, will forward when received	
Portion A	SWC	47340	25/08/2018	27/08/2018	43.8	29/08/2018	29/08/2018	150	Nil	7.60	7	11	waiting for results from lab, will forward when received	
Portion A	SWC	47710	25/08/2018	27/08/2018	43.8	28/08/2018	28/08/2018	600	Nil	7.00	24	45	waiting for results from lab, will forward when received	
Portion A	SWC	48010	25/08/2018	27/08/2018	43.8	29/08/2018	29/08/2018	200	Nil	6.70	1	13	waiting for results from lab, will forward when received	
Portion A	SWC	48010	25/08/2018	27/08/2018	43.8	28/08/2018	28/08/2018	500	Nil	7.10	1	24	waiting for results from lab, will forward when received	
Portion A	SWC	48780	25/08/2018	27/08/2018	43.8	29/08/2018	29/08/2018	200	Nil	7.00	13	24	waiting for results from lab, will forward when received	
Portion A	SWC	50010	25/08/2018	27/08/2018	43.8	29/08/2018	29/08/2018	320	Nil	6.80	12	24	waiting for results from lab, will forward when received	
Portion A	SWC	50360	25/08/2018	27/08/2018	43.8	30/08/2018	30/08/2018	250	Nil	7.10	2	24	waiting for results from lab, will forward when received	
Portion A	SWC	51450	25/08/2018	27/08/2018	43.8	30/08/2018	30/08/2018	300	Nil	6.80	1	24	waiting for results from lab, will forward when received	
Portion A	SWC	52880	25/08/2018	27/08/2018	43.8	28/08/2018	28/08/2018	200	Nil	8.00	44	24	waiting for results from lab, will forward when received	
Portion A	SWC	53830	25/08/2018	27/08/2018	43.8	28/08/2018	28/08/2018	250	Nil	7.30	26	24	waiting for results from lab, will forward when received	
Portion A	SWC	54660	25/08/2018	27/08/2018	43.8	30/08/2018	30/08/2018	200	Nil	7.30	5	24	waiting for results from lab, will forward when received	
Portion A S 4	BGC	SB 77500 W	25/08/2018	N/A	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (red)
Portion A S 4	BGC	SB 77800	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (red)
Portion A S 4	BGC	SB 78000	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (red)
Portion A S 4	BGC	SB 77500 E	25/08/2018	27/08/2018	23.6	28/08/2018	29/08/2018	1140	Nil	7.61	13	30.7		
Portion A S 4	BGC	SB 78450 W	25/08/2018	27/08/2018	23.6	28/08/2018	29/08/2018	295	Nil	7.63		78.7		
Portion A S 4	BGC	SB 78400 E	25/08/2018	27/08/2018	23.6	28/08/2018	28/08/2018	2340	Nil	8.48	9	79.1		
Portion A S 4	BGC	SB GH4	25/08/2018	27/08/2018	23.6	28/08/2018	29/08/2018	1751	Nil	8.41		75.7		
Portion A S 4	BGC	SB 76450	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (green)
Portion A S 4	BGC	SB 76200	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (green)
Portion A S 4	BGC	SB 75200 E	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (green)
Portion A S 4	BGC	SB 75200 W	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (green)
Portion A S 4	BGC	SB 75500	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (green)

Portion A S 4	BGC	SB 69620	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (green)
Portion A S 4	BGC	SB 68910	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (red)
Portion A S 4	BGC	SB 69610 W	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (red)
Portion A S 4	BGC	SB 69052	25/08/2018	27/08/2018	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Basin was compliant (red)
Portion E	AFHJV	Sediment Basin 1	24/08/2018	26/08/2018	43.6	28/08/2018	29/08/2018	500	Nil	7.36	Field: 16 mg/L Lab: 10 mg/L	6.6	Pre-treatment with Gypsum. Acid and Gypsum treatment following rain event.