



## Orica Kooragang Island Monitoring Points 10 - 15

### Details of Licence Conditions

EPA Licence No: 828  
 Link to full license on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=828&id=828&option=licence&searchrange=licence&range=POEO licence&prp=no&status=issued>

Licensee Name: ORICA AUSTRALIA PTY LTD  
 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304  
 Location of Monitoring Points: [http://www.orica.com/images/UserUploadedImages/495/2013\\_Orica-KI\\_monitoring\\_locations.jpg](http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg)  
 Concentration Limit: See licence M2.3

### Monthly Summary: March 2017 (Monitoring Points 13 -15)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
13	Catchment 4 - Nitrates	7/04/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	26.5	N/A	
		7/04/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		7/04/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		7/04/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	32.6	N/A	
		7/04/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.18	N/A	
		7/04/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	67	N/A	
		7/04/17	pH	pH	Once per month during rain event		N/A	N/A	7.52	N/A	
		7/04/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.02	N/A	
		7/04/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.34	N/A	
		7/04/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.66	N/A	
		7/04/17	TKN	mg/L	Once per month during rain event		N/A	N/A	34	N/A	
		7/04/17	TSS	mg/L	Once per month during rain event		N/A	N/A	42	N/A	
		7/04/17	Flow	kL/Day	Daily during discharge		11	9	187	126	591
		14	Catchment 5 - Bagging South	7/04/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
7/04/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
7/04/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
7/04/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	64.4		N/A	
7/04/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.1		N/A	
7/04/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	122		N/A	
7/04/17	pH			pH	Once per month during rain event	N/A	N/A	6.4		N/A	
7/04/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.54		N/A	
7/04/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.04		N/A	
7/04/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.18		N/A	
7/04/17	TKN			mg/L	Once per month during rain event	N/A	N/A	58		N/A	
7/04/17	TSS			mg/L	Once per month during rain event	N/A	N/A	35		N/A	
7/04/17	Flow			kL/Day	Daily during discharge	7	3	96		74	233
15	Catchment 6 - Bagging North			7/04/17	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		7/04/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		7/04/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		7/04/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		15	N/A	
		7/04/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.06	N/A	
		7/04/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		27	N/A	
		7/04/17	pH	pH	Once per month during rain event	N/A	N/A		6.54	N/A	
		7/04/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		0.43	N/A	
		7/04/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.04	N/A	
		7/04/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.14	N/A	
		7/04/17	TKN	mg/L	Once per month during rain event	N/A	N/A		12	N/A	
		7/04/17	TSS	mg/L	Once per month during rain event	N/A	N/A		30	N/A	
		7/04/17	Flow	kL/Day	Daily during discharge	4	6		52	45	114



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### Monthly Summary: March 2017 (Monitoring Point 10 -12)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
10	Catchment 1 - Ammonia Storage	17/04/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.3	N/A	
		17/04/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		17/04/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		17/04/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	15.80	N/A	
		17/04/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.12	N/A	
		17/04/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	25.1	N/A	
		17/04/17	pH	pH	Once per month during rain event		N/A	N/A	7.22	N/A	
		17/04/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.0	N/A	
		17/04/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.11	N/A	
		17/04/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.98	N/A	
		17/04/17	TKN	mg/L	Once per month during rain event		N/A	N/A	9.2	N/A	
		17/04/17	TSS	mg/L	Once per month during rain event		N/A	N/A	114	N/A	
		17/04/17	Flow	kL/Day	Daily during discharge		26	1	75	18	440
		11	Catchment 2 - Admin/NH3	17/04/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
17/04/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
17/04/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
17/04/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	1.77		N/A	
17/04/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.06		N/A	
17/04/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	1.8		N/A	
17/04/17	pH			pH	Once per month during rain event	N/A	N/A	7.09		N/A	
17/04/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.73		N/A	
17/04/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.09		N/A	
17/04/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.24		N/A	
17/04/17	TKN			mg/L	Once per month during rain event	N/A	N/A	0.9		N/A	
17/04/17	TSS			mg/L	Once per month during rain event	N/A	N/A	17		N/A	
17/04/17	Flow			kL/Day	Daily during discharge	16	2	99		69	479
12	Catchment 3 - Ammonia			17/04/17	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		17/04/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.02	N/A	
		17/04/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		17/04/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		3.24	N/A	
		17/04/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.12	N/A	
		17/04/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		8.50	N/A	
		17/04/17	pH	pH	Once per month during rain event	N/A	N/A		7.43	N/A	
		17/04/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		14.4	N/A	
		17/04/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.23	N/A	
		17/04/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		4.7	N/A	
		17/04/17	TKN	mg/L	Once per month during rain event	N/A	N/A		5.1	N/A	
		17/04/17	TSS	mg/L	Once per month during rain event	N/A	N/A		338	N/A	
		17/04/17	Flow	kL/Day	Daily during discharge	16	3		134	106	575



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### Monthly Summary: February 2017 (Monitoring Point 10 -12)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value			
10	Catchment 1 - Ammonia Storage	10/03/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	17.2	N/A			
		10/03/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A			
		10/03/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A			
		10/03/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	31.60	N/A			
		10/03/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.24	N/A			
		10/03/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	31.8	N/A			
		10/03/17	pH	pH	Once per month during rain event		N/A	N/A	6.42	N/A			
		10/03/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.59	N/A			
		10/03/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.12	N/A			
		10/03/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.52	N/A			
		10/03/17	TKN	mg/L	Once per month during rain event		N/A	N/A	22.9	N/A			
		10/03/17	TSS	mg/L	Once per month during rain event		N/A	N/A	69	N/A			
		10/03/17	Flow	kL/Day	Daily during discharge		12	<1	44	25	157		
		11	Catchment 2 - Admin/NH3	10/03/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A	2.5	N/A
				10/03/17	Arsenic		mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
10/03/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A			
10/03/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	8.41		N/A			
10/03/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.19		N/A			
10/03/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	8.6		N/A			
10/03/17	pH			pH	Once per month during rain event	N/A	N/A	6.28		N/A			
10/03/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.07		N/A			
10/03/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.07		N/A			
10/03/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.35		N/A			
10/03/17	TKN			mg/L	Once per month during rain event	N/A	N/A	5.2		N/A			
10/03/17	TSS			mg/L	Once per month during rain event	N/A	N/A	54		N/A			
10/03/17	Flow			kL/Day	Daily during discharge	9	3	51		26	128		
12	Catchment 3 - Ammonia			10/03/17	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A	0.81	N/A
				10/03/17	Arsenic	mg/L	Once per month during rain event			N/A	N/A	0.016	N/A
		10/03/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A			
		10/03/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		5.65	N/A			
		10/03/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.2	N/A			
		10/03/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		5.80	N/A			
		10/03/17	pH	pH	Once per month during rain event	N/A	N/A		6.59	N/A			
		10/03/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		3.04	N/A			
		10/03/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.25	N/A			
		10/03/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.99	N/A			
		10/03/17	TKN	mg/L	Once per month during rain event	N/A	N/A		2.5	N/A			
		10/03/17	TSS	mg/L	Once per month during rain event	N/A	N/A		50	N/A			
		10/03/17	Flow	kL/Day	Daily during discharge	18	<1		30	4	155		



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 Concentration Limit: See licence M2.3

### Monthly Summary: February 2017 (Monitoring Points 13 -15)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
13	Catchment 4 - Nitrates	10/03/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	74.2	N/A	
		10/03/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		10/03/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		10/03/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	82.1	N/A	
		10/03/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.12	N/A	
		10/03/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	170	N/A	
		10/03/17	pH	pH	Once per month during rain event		N/A	N/A	6.43	N/A	
		10/03/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.44	N/A	
		10/03/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.07	N/A	
		10/03/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.47	N/A	
		10/03/17	TKN	mg/L	Once per month during rain event		N/A	N/A	88	N/A	
		10/03/17	TSS	mg/L	Once per month during rain event		N/A	N/A	91	N/A	
		10/03/17	Flow	kL/Day	Daily during discharge		4	86	196	140	418
		14	Catchment 5 - Bagging South	10/03/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
10/03/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
10/03/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
10/03/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	47.8		N/A	
10/03/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.2		N/A	
10/03/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	108		N/A	
10/03/17	pH			pH	Once per month during rain event	N/A	N/A	5.8		N/A	
10/03/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.13		N/A	
10/03/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.12		N/A	
10/03/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.37		N/A	
10/03/17	TKN			mg/L	Once per month during rain event	N/A	N/A	60		N/A	
10/03/17	TSS			mg/L	Once per month during rain event	N/A	N/A	40		N/A	
10/03/17	Flow			kL/Day	Daily during discharge	3	2	17		5	43
15	Catchment 6 - Bagging North			10/03/17	Ammonia	mg/L	Once per month during rain event	No Discharge Recorded During February		N/A	N/A
		10/03/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		10/03/17	Flow	kL/Day	Daily during discharge						



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Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
10	Catchment 1 - Ammonia Storage	6/02/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	17.4	N/A	
		6/02/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		6/02/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		6/02/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	30.90	N/A	
		6/02/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.17	N/A	
		6/02/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	31.1	N/A	
		6/02/17	pH	pH	Once per month during rain event		N/A	N/A	7.55	N/A	
		6/02/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.93	N/A	
		6/02/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.22	N/A	
		6/02/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.63	N/A	
		6/02/17	TKN	mg/L	Once per month during rain event		N/A	N/A	16.6	N/A	
		6/02/17	TSS	mg/L	Once per month during rain event		N/A	N/A	38	N/A	
		6/02/17	Flow	kL/Day	Daily during discharge		9	<1	51	23	174
		11	Catchment 2 - Admin/NH3	6/02/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
6/02/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
6/02/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
6/02/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	8.16		N/A	
6/02/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.06		N/A	
6/02/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	8.2		N/A	
6/02/17	pH			pH	Once per month during rain event	N/A	N/A	7.04		N/A	
6/02/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.99		N/A	
6/02/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.15		N/A	
6/02/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.65		N/A	
6/02/17	TKN			mg/L	Once per month during rain event	N/A	N/A	5.9		N/A	
6/02/17	TSS			mg/L	Once per month during rain event	N/A	N/A	70		N/A	
6/02/17	Flow			kL/Day	Daily during discharge	6	35	163		144.0	351
12	Catchment 3 - Ammonia			6/02/17	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		6/02/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.024	N/A	
		6/02/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		6/02/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		4.17	N/A	
		6/02/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.1	N/A	
		6/02/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		4.24	N/A	
		6/02/17	pH	pH	Once per month during rain event	N/A	N/A		7.19	N/A	
		6/02/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		4.11	N/A	
		6/02/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.47	N/A	
		6/02/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		1.34	N/A	
		6/02/17	TKN	mg/L	Once per month during rain event	N/A	N/A		2.7	N/A	
		6/02/17	TSS	mg/L	Once per month during rain event	N/A	N/A		104	N/A	
		6/02/17	Flow	kL/Day	Daily during discharge	13	2		110	16	477



## Orica Kooragang Island Monitoring Points 10 - 15

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 Concentration Limit: See licence M2.3

### Monthly Summary: January 2017 (Monitoring Points 13 -15)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
13	Catchment 4 - Nitrates	6/02/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	43.6	N/A	
		6/02/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		6/02/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		6/02/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	54.6	N/A	
		6/02/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.11	N/A	
		6/02/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	54.7	N/A	
		6/02/17	pH	pH	Once per month during rain event		N/A	N/A	6.53	N/A	
		6/02/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.03	N/A	
		6/02/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.04	N/A	
		6/02/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.34	N/A	
		6/02/17	TKN	mg/L	Once per month during rain event		N/A	N/A	60	N/A	
		6/02/17	TSS	mg/L	Once per month during rain event		N/A	N/A	58	N/A	
		6/02/17	Flow	kL/Day	Daily during discharge		2	61	139	139	217
		14	Catchment 5 - Bagging South	6/02/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
6/02/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
6/02/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
6/02/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	54.3		N/A	
6/02/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.08		N/A	
6/02/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	54.4		N/A	
6/02/17	pH			pH	Once per month during rain event	N/A	N/A	5.9		N/A	
6/02/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.96		N/A	
6/02/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.16		N/A	
6/02/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.31		N/A	
6/02/17	TKN			mg/L	Once per month during rain event	N/A	N/A	56		N/A	
6/02/17	TSS			mg/L	Once per month during rain event	N/A	N/A	28		N/A	
6/02/17	Flow			kL/Day	Daily during discharge	2	30	41		41	52
15	Catchment 6 - Bagging North			6/02/17	Ammonia	mg/L	Once per month during rain event	No Discharge Recorded During January		N/A	N/A
		6/02/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		6/02/17	Flow	kL/Day	Daily during discharge						



## Orica Kooragang Island Monitoring Points 10 - 15

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 Concentration Limit: See licence M2.3

### Monthly Summary: December 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
10	Catchment 1 - Ammonia Storage	5/01/17	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.01	N/A	
		5/01/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		5/01/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	116	N/A	
		5/01/17	pH	pH	Once per month during rain event		N/A	N/A	6.1	N/A	
		5/01/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	7.2	N/A	
		5/01/17	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	143	N/A	
		5/01/17	Flow	kL/Day	Daily during discharge		8	2	31	18	91
		5/01/17	Arsenic	mg/L	Once per month during rain event		1	N/A	N/A	<0.01	N/A
11	Catchment 2 - Admin/NH3	5/01/17	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A	
		5/01/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	40	N/A	
		5/01/17	pH	pH	Once per month during rain event		N/A	N/A	6.3	N/A	
		5/01/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	4.2	N/A	
		5/01/17	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	126	N/A	
		5/01/17	Flow	kL/Day	Daily during discharge		8	4	100	38	34
		5/01/17	Arsenic	mg/L	Once per month during rain event		1	N/A	N/A	0.04	N/A
		5/01/17	Chromium (hexavalent)	mg/L	Once per month during rain event		1	N/A	N/A	<0.01	N/A
12	Catchment 3 - Ammonia	5/01/17	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	12	N/A	
		5/01/17	pH	pH	Once per month during rain event		N/A	N/A	6.4	N/A	
		5/01/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	7.7	N/A	
		5/01/17	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	222	N/A	
		5/01/17	Flow	kL/Day	Daily during discharge		8	1	103	34	38
		5/01/17	Arsenic	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Chromium (hexavalent)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Nitrogen (total)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
13	Catchment 4 - Nitrates	5/01/17	pH	pH	Once per month during rain event	1	N/A	N/A	N/A	N/A	
		5/01/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		5/01/17	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		5/01/17	Flow	kL/Day	Daily during discharge		8	1	103	34	38
		5/01/17	Arsenic	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Chromium (hexavalent)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Nitrogen (total)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	pH	pH	Once per month during rain event		1	N/A	N/A	N/A	N/A
14	Catchment 5 - Bagging South	5/01/17	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	N/A	N/A	
		5/01/17	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		5/01/17	Flow	kL/Day	Daily during discharge		8	1	103	34	38
		5/01/17	Arsenic	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Chromium (hexavalent)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Nitrogen (total)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	pH	pH	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Phosphate	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
15	Catchment 6 - Bagging North	5/01/17	Total Suspended Solids	mg/L	Once per month during rain event	1	N/A	N/A	N/A	N/A	
		5/01/17	Flow	kL/Day	Daily during discharge		8	1	103	34	38
		5/01/17	Arsenic	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Chromium (hexavalent)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Nitrogen (total)	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	pH	pH	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Phosphate	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A
		5/01/17	Total Suspended Solids	mg/L	Once per month during rain event		1	N/A	N/A	N/A	N/A



## Orica Kooragang Island Monitoring Points 10 - 15

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 Concentration Limit: See licence M2.3

### Monthly Summary: November 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	2/12/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/12/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/12/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	25	N/A
		2/12/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		2/12/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.1	N/A
		2/12/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	69	N/A
		2/12/16	Flow	kL/Day	Daily during discharge		7	<1	30	31
11	Catchment 2 - Admin/NH3	2/12/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/12/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/12/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	14	N/A
		2/12/16	pH	pH	Once per month during rain event		N/A	N/A	7.0	N/A
		2/12/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.1	N/A
		2/12/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	99	N/A
		2/12/16	Flow	kL/Day	Daily during discharge		2	1	28	28
12	Catchment 3 - Ammonia	2/12/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.02	N/A
		2/12/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/12/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	7	N/A
		2/12/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		2/12/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.7	N/A
		2/12/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	95	N/A
		2/12/16	Flow	kL/Day	Daily during discharge		1	N/A	N/A	43
13	Catchment 4 - Nitrates	2/12/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/12/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/12/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	93	N/A
		2/12/16	pH	pH	Once per month during rain event		N/A	N/A	7.3	N/A
		2/12/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.9	N/A
		2/12/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	86	N/A
		2/12/16	Flow	kL/Day	Daily during discharge		2	10	197	197
14	Catchment 5 - Bagging South	2/12/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/12/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/12/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	56	N/A
		2/12/16	pH	pH	Once per month during rain event		N/A	N/A	7.2	N/A
		2/12/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.6	N/A
		2/12/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	61	N/A
		2/12/16	Flow	kL/Day	Daily during discharge		2	36	79.7	197
15	Catchment 6 - Bagging North	2/12/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/12/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/12/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	26	N/A
		2/12/16	pH	pH	Once per month during rain event		N/A	N/A	7.2	N/A
		2/12/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.8	N/A
		2/12/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	51	N/A
		2/12/16	Flow	kL/Day	Daily during discharge		1	N/A	N/A	20





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 Location of Monitoring Points: [http://www.orica.com/images/UserUploadedImages/495/2013\\_Orica-KI\\_monitoring\\_locations.jpg](http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg)  
 Concentration Limit: See licence M2.3

### Monthly Summary: October 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	4/11/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/11/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/11/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	57	N/A
		4/11/16	pH	pH	Once per month during rain event		N/A	N/A	6.3	N/A
		4/11/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.7	N/A
		4/11/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	122	N/A
		4/11/16	Flow	kL/Day	Daily during discharge	7	1	29	25	97
11	Catchment 2 - Admin/NH3	4/11/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/11/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/11/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	13	N/A
		4/11/16	pH	pH	Once per month during rain event		N/A	N/A	6.5	N/A
		4/11/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.0	N/A
		4/11/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	129	N/A
		4/11/16	Flow	kL/Day	Daily during discharge	8	2	59	29	228
12	Catchment 3 - Ammonia	4/11/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.03	N/A
		4/11/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/11/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	7.0	N/A
		4/11/16	pH	pH	Once per month during rain event		N/A	N/A	6.6	N/A
		4/11/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	6.0	N/A
		4/11/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	181	N/A
		4/11/16	Flow	kL/Day	Daily during discharge	8	2	62	30	233
13	Catchment 4 - Nitrates	4/11/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/11/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/11/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	91	N/A
		4/11/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		4/11/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.5	N/A
		4/11/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	187	N/A
		4/11/16	Flow	kL/Day	Daily during discharge	2	88	146	146	203
14	Catchment 5 - Bagging South	4/11/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/11/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/11/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	304	N/A
		4/11/16	pH	pH	Once per month during rain event		N/A	N/A	6.7	N/A
		4/11/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.5	N/A
		4/11/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	134	N/A
		4/11/16	Flow	kL/Day	Daily during discharge	2	36	79.7	79.7	123.2
15	Catchment 6 - Bagging North	4/11/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/11/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/11/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	31	N/A
		4/11/16	pH	pH	Once per month during rain event		N/A	N/A	6.8	N/A
		4/11/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.7	N/A
		4/11/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	159	N/A
		4/11/16	Flow	kL/Day	Daily during discharge	1	34	34	34	34



## Orica Kooragang Island Monitoring Points 10 - 15

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EPA Licence No: 828  
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 Concentration Limit: See licence M2.3

### Monthly Summary: September 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	4/10/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/10/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/10/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	17	N/A
		4/10/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		4/10/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	4.2	N/A
		4/10/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	92	N/A
		4/10/16	Flow	kL/Day	Daily during discharge		9	2	29	18
11	Catchment 2 - Admin/NH3	4/10/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/10/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/10/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	6	N/A
		4/10/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		4/10/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.5	N/A
		4/10/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	66	N/A
		4/10/16	Flow	kL/Day	Daily during discharge		7	8	30	28
12	Catchment 3 - Ammonia	4/10/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.02	N/A
		4/10/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	0.01	N/A
		4/10/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	4	N/A
		4/10/16	pH	pH	Once per month during rain event		N/A	N/A	7.0	N/A
		4/10/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	15.0	N/A
		4/10/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	94	N/A
		4/10/16	Flow	kL/Day	Daily during discharge		10	1	24	14
13	Catchment 4 - Nitrates	4/10/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/10/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/10/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	122	N/A
		4/10/16	pH	pH	Once per month during rain event		N/A	N/A	6.7	N/A
		4/10/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.8	N/A
		4/10/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	125	N/A
		4/10/16	Flow	kL/Day	Daily during discharge		1	N/A	N/A	21
14	Catchment 5 - Bagging South	4/10/16	Arsenic	mg/L	Once per month during rain event	No discharge recorded for catchment 5	N/A	N/A	N/A	N/A
		4/10/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
15	Catchment 6 - Bagging North	4/10/16	Arsenic	mg/L	Once per month during rain event	No discharge recorded for catchment 6	N/A	N/A	N/A	N/A
		4/10/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/10/16	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A



## Orica Kooragang Island Monitoring Points 10 - 15

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 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304  
 Location of Monitoring Points: [http://www.orica.com/images/UserUploadedImages/495/2013\\_Orica-KI\\_monitoring\\_locations.jpg](http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg)  
 Concentration Limit: See licence M2.3

### Monthly Summary: August 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	2/09/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/09/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/09/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	22	N/A
		2/09/16	pH	pH	Once per month during rain event		N/A	N/A	6.7	N/A
		2/09/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.7	N/A
		2/09/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	147	N/A
		2/09/16	Flow	kL/Day	Daily during discharge		14	1	21	10
11	Catchment 2 - Admin/NH3	2/09/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/09/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/09/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	9	N/A
		2/09/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		2/09/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.8	N/A
		2/09/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	76	N/A
		2/09/16	Flow	kL/Day	Daily during discharge		9	5	21	8
12	Catchment 3 - Ammonia	2/09/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.02	N/A
		2/09/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/09/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	8	N/A
		2/09/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		2/09/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.9	N/A
		2/09/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	117	N/A
		2/09/16	Flow	kL/Day	Daily during discharge		11	1	22	10
13	Catchment 4 - Nitrates	2/09/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		2/09/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		2/09/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	341	N/A
		2/09/16	pH	pH	Once per month during rain event		N/A	N/A	6.6	N/A
		2/09/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.0	N/A
		2/09/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	61	N/A
		2/09/16	Flow	kL/Day	Daily during discharge		2	3	23	23
14	Catchment 5 - Bagging South	2/09/16	Arsenic	mg/L	Once per month during rain event	No discharge recorded for catchment 5	N/A	N/A	N/A	N/A
		2/09/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
15	Catchment 6 - Bagging North	2/09/16	Arsenic	mg/L	Once per month during rain event	No discharge recorded for catchment 6	N/A	N/A	N/A	N/A
		2/09/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		2/09/16	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A



## Orica Kooragang Island Monitoring Points 10 - 15

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 Concentration Limit: See licence M2.3

### Monthly Summary: July 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	5/08/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		5/08/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		5/08/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	19	N/A
		5/08/16	pH	pH	Once per month during rain event		N/A	N/A	7.6	N/A
		5/08/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	7.9	N/A
		5/08/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	192	N/A
		5/08/16	Flow	kL/Day	Daily during discharge		13	1	25	9
11	Catchment 2 - Admin/NH3	5/08/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		5/08/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		5/08/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	31	N/A
		5/08/16	pH	pH	Once per month during rain event		N/A	N/A	7.4	N/A
		5/08/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	8.6	N/A
		5/08/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	188	N/A
		5/08/16	Flow	kL/Day	Daily during discharge		6	7	124	79
12	Catchment 3 - Ammonia	5/08/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.02	N/A
		5/08/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		5/08/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	15	N/A
		5/08/16	pH	pH	Once per month during rain event		N/A	N/A	7.4	N/A
		5/08/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	8.7	N/A
		5/08/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	160	N/A
		5/08/16	Flow	kL/Day	Daily during discharge		7	1	40	10
13	Catchment 4 - Nitrates	5/08/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		5/08/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		5/08/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	131	N/A
		5/08/16	pH	pH	Once per month during rain event		N/A	N/A	7.1	N/A
		5/08/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.8	N/A
		5/08/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	58	N/A
		5/08/16	Flow	kL/Day	Daily during discharge		1	N/A	N/A	64
14	Catchment 5 - Bagging South	5/08/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		5/08/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		5/08/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	75	N/A
		5/08/16	pH	pH	Once per month during rain event		N/A	N/A	6.8	N/A
		5/08/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.2	N/A
		5/08/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	35	N/A
		5/08/16	Flow	kL/Day	Daily during discharge		1	N/A	N/A	4
15	Catchment 6 - Bagging North	5/08/16	Arsenic	mg/L	Once per month during rain event	No discharge recorded for catchment 6	N/A	N/A	N/A	N/A
		5/08/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		5/08/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		5/08/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		5/08/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		5/08/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		5/08/16	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A



## Orica Kooragang Island Monitoring Points 10 - 15

### Details of Licence Conditions

EPA Licence No: 828  
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Licensee Name: ORICA AUSTRALIA PTY LTD  
 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304  
 Location of Monitoring Points: [http://www.orica.com/images/UserUploadedImages/495/2013\\_Orica-KI\\_monitoring\\_locations.jpg](http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg)  
 Concentration Limit: See licence M2.3

### Monthly Summary: June 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	4/07/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/07/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/07/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	46	N/A
		4/07/16	pH	pH	Once per month during rain event		N/A	N/A	7.6	N/A
		4/07/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	15.1	N/A
		4/07/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	262	N/A
		4/07/16	Flow	kL/Day	Daily during discharge		20	<1	56	20
11	Catchment 2 - Admin/NH3	4/07/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/07/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/07/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	16	N/A
		4/07/16	pH	pH	Once per month during rain event		N/A	N/A	7.7	N/A
		4/07/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	8.5	N/A
		4/07/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	185	N/A
		4/07/16	Flow	kL/Day	Daily during discharge		8	<1	91	21
12	Catchment 3 - Ammonia	4/07/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/07/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/07/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	22	N/A
		4/07/16	pH	pH	Once per month during rain event		N/A	N/A	7.4	N/A
		4/07/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	6.1	N/A
		4/07/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	238	N/A
		4/07/16	Flow	kL/Day	Daily during discharge		18	<1	51	<1
13	Catchment 4 - Nitrates	4/07/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/07/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/07/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	208	N/A
		4/07/16	pH	pH	Once per month during rain event		N/A	N/A	7.3	N/A
		4/07/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.3	N/A
		4/07/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	103	N/A
		4/07/16	Flow	kL/Day	Daily during discharge		3	126	593	307
14	Catchment 5 - Bagging South	4/07/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/07/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/07/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	130	N/A
		4/07/16	pH	pH	Once per month during rain event		N/A	N/A	7.4	N/A
		4/07/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.7	N/A
		4/07/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	61	N/A
		4/07/16	Flow	kL/Day	Daily during discharge		3	9	102	63
15	Catchment 6 - Bagging North	4/07/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/07/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/07/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	25	N/A
		4/07/16	pH	pH	Once per month during rain event		N/A	N/A	7.5	N/A
		4/07/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2	N/A
		4/07/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	19	N/A
		4/07/16	Flow	kL/Day	Daily during discharge		1	N/A	N/A	201



## Orica Kooragang Island Monitoring Points 10 - 15

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 Concentration Limit: See licence M2.3

### Monthly Summary: May 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	6/06/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		6/06/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		6/06/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	76	N/A
		6/06/16	pH	pH	Once per month during rain event		N/A	N/A	7.0	N/A
		6/06/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.4	N/A
		6/06/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	147	N/A
		6/06/16	Flow	kL/Day	Daily during discharge	6	1	10	3	44
11	Catchment 2 - Admin/NH3	6/06/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		6/06/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		6/06/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	6	N/A
		6/06/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		6/06/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.9	N/A
		6/06/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	47	N/A
		6/06/16	Flow	kL/Day	Daily during discharge	2	38	144	144	251
12	Catchment 3 - Ammonia	6/06/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		6/06/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		6/06/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	1	N/A
		6/06/16	pH	pH	Once per month during rain event		N/A	N/A	6.9	N/A
		6/06/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.8	N/A
		6/06/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	36	N/A
		6/06/16	Flow	kL/Day	Daily during discharge	4	1	1	14	53
13	Catchment 4 - Nitrates	6/06/16	Arsenic	mg/L	Once per month during rain event	No Flow detected in Catchment 4 during April	N/A	N/A	N/A	N/A
		6/06/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A
14	Catchment 5 - Bagging South	6/06/16	Arsenic	mg/L	Once per month during rain event	No Flow detected in Catchment 5 during April	N/A	N/A	N/A	N/A
		6/06/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A
15	Catchment 6 - Bagging North	6/06/16	Arsenic	mg/L	Once per month during rain event	No Flow detected in Catchment 6 during April	N/A	N/A	N/A	N/A
		6/06/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		6/06/16	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A



## Orica Kooragang Island Monitoring Points 10 - 15

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 Concentration Limit: See licence M2.3

### Monthly Summary: April 2016

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	4/05/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/05/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/05/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	46	N/A
		4/05/16	pH	pH	Once per month during rain event		N/A	N/A	9.2	N/A
		4/05/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.7	N/A
		4/05/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	24	N/A
		4/05/16	Flow	kL/Day	Daily during discharge	10	1	47	12	149
11	Catchment 2 - Admin/NH3	4/05/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/05/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/05/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	15	N/A
		4/05/16	pH	pH	Once per month during rain event		N/A	N/A	8.6	N/A
		4/05/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.6	N/A
		4/05/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	109	N/A
		4/05/16	Flow	kL/Day	Daily during discharge	5	3	119	114	596
12	Catchment 3 - Ammonia	4/05/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.02	N/A
		4/05/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/05/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	9	N/A
		4/05/16	pH	pH	Once per month during rain event		N/A	N/A	7.5	N/A
		4/05/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	4.4	N/A
		4/05/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	161	N/A
		4/05/16	Flow	kL/Day	Daily during discharge	8	1	77	102	197
13	Catchment 4 - Nitrates	4/05/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/05/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/05/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	574	N/A
		4/05/16	pH	pH	Once per month during rain event		N/A	N/A	7.2	N/A
		4/05/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.8	N/A
		4/05/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	95	N/A
		4/05/16	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A
14	Catchment 5 - Bagging South	4/05/16	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		4/05/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		4/05/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	100	N/A
		4/05/16	pH	pH	Once per month during rain event		N/A	N/A	7.2	N/A
		4/05/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1	N/A
		4/05/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	55	N/A
		4/05/16	Flow	kL/Day	Daily during discharge	2	3	33	33	63
15	Catchment 6 - Bagging North	4/05/16	Arsenic	mg/L	Once per month during rain event	No Flow detected in Catchment 6 during April	N/A	N/A	N/A	N/A
		4/05/16	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/05/16	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/05/16	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		4/05/16	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/05/16	Total Suspended Solids	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/05/16	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A