



Orica Koorangang Island Monitoring Point 33

Details of Licence Conditions

EPA Licence No: 828
 Licensee Name: ORICA AUSTRALIA PTY LTD
 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304

EPL Monitoring Summary

Groundwater - Downgradient of Main Transpiration Area

Monitoring Point	Monitoring Location	Pollutant	Unit of measure	Monitoring frequency	2016/2017	2016/2017	2017/2018	2017/2018	2018/2019	2018/2019	2019/2020	2019/2020
					(4/7/2016)	(18/2/2017)	(17/07/2017)	(17/07/2017)	(17/07/2017)	(21/01/2019)	(06/08/2019)	(14/01/2020)
Monitoring Point 33	Downgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	139	162	78	147	88	161	258	244
Monitoring Point 33	Downgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	1.1	1.35	1.04	0.989	0.903	1.23	1.86	1.87
Monitoring Point 33	Downgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	73	<1	<1	<1	>1	2
Monitoring Point 33	Downgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	4	<1	<1	<1	<1	<1	<1	3
Monitoring Point 33	Downgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	11	13	7	11	6	9	17	17
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	24.9	69.8	4.23	62	4.45	74.3	<0.01?	199
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	34.4	87.8	50.4	64.5	23.8	98.9	117	237
Monitoring Point 33	Downgradient of Main Transpiration Area	pH	pH	6 monthly	7.12	7.24	7.49	7.34	7.45	7.11	7.15	7.68
Monitoring Point 33	Downgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	0.92	0.97	2.27	1.08	1.09	0.72	0.67	0.39
Monitoring Point 33	Downgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	54	49	40	32	39	33	48	44
Monitoring Point 33	Downgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	2.523	1.095	1.495	2.87	2.49	2.89	2.77	2.73
Monitoring Point 33	Downgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	61	42	47	27	60	37	77	39
Monitoring Point 33	Downgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	702	1050	429	852	458	944	1130	1820
Monitoring Point 33	Downgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	9.5	18	46.2	2.5	19.4	24.6	12.9	38.2
Date Published					22/09/2016	7/03/2016	17/07/2017	23/01/2018	13/09/2018	14/05/2019	12/09/2019	14/02/2020