



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								
					2018/2019 (23/07/2018)	2018/2019 (21/01/2019)	2019/2020 (06/08/2019)	2019/2020 (07/02/2020)	2020/2021 (27/07/2020)	2020/2021 (10/02/2021)	2021/2022 (28/07/2021)	2021/2022 (25/01/2022)
Monitoring Point 33	Downgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	88	161	258	244	186	101	105	136
Monitoring Point 33	Downgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	0.903	1.23	1.86	1.87	1.19	0.944	0.924	0.907
Monitoring Point 33	Downgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	>1	2	<1	<1	<1	<1
Monitoring Point 33	Downgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	3	<1	1	<1	<1
Monitoring Point 33	Downgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	6	9	17	17	11	8	7	13
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	4.45	74.3	104	199	28.8	9.23	5.15	13.8
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	23.8	98.9	117	237	37	29.3	35.4	22.3
Monitoring Point 33	Downgradient of Main Transpiration Area	pH	pH	6 monthly	7.45	7.11	7.15	7.68	7.09	7.2	7.38	7.31
Monitoring Point 33	Downgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	1.09	0.72	0.67	0.39	0.61	0.67	1.08	1.88
Monitoring Point 33	Downgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	39	33	48	44	49	36	33	38
Monitoring Point 33	Downgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	2.49	2.89	2.77	2.73	1.85	1.5	2.59	N/A
Monitoring Point 33	Downgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	60	37	77	39	34	24	53	47
Monitoring Point 33	Downgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	458	944	1130	1820	821	486	482	536
Monitoring Point 33	Downgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	19.4	24.6	12.9	38.2	8.2	20	30.2	8.5
Date Published					13/09/2018	14/05/2019	12/09/2019	14/02/2020	12/08/2020	15/02/2021	17/08/2021	16/02/2022