



**Orica Koorangang Island Monitoring Point 33**

**Details of Licence Conditions**

EPA Licence No: 828  
 Licensee Name: ORICA AUSTRALIA PTY LTD  
 Licensee Address: 75 Greenleaf Rd, KOORANGANG NSW 2304

**EPL Monitoring Summary**

Groundwater - Downgradient of Main Transpiration Area (MP33)

Monitoring Point	Monitoring Location	Pollutant	Unit of measure	Monitoring frequency	2019/2020	2019/2020	2020/2021	2020/2021	2021/2022	2021/2022	2022/2023	2022/2023
					(06/08/2019)	(07/02/2020)	(27/07/2020)	(10/02/2021)	(28/07/2021)	(25/01/2022)	(17/07/2022)	(25/01/2023)
Monitoring Point 33	Downgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	258	244	186	101	105	136	42	155
Monitoring Point 33	Downgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	1.86	1.87	1.19	0.944	0.924	0.907	0.833	1.09
Monitoring Point 33	Downgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	>1	2	<1	<1	<1	<1	36	<9
Monitoring Point 33	Downgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	3	<1	1	<1	<1	33	<9
Monitoring Point 33	Downgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	17	17	11	8	7	13	12	10
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	104	199	28.8	9.23	5.15	13.8	19.5	3.08
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	117	237	37	29.3	35.4	22.3	19.5	4.7
Monitoring Point 33	Downgradient of Main Transpiration Area	pH	pH	6 monthly	7.15	7.68	7.09	7.2	7.38	7.31	7.29	7.29
Monitoring Point 33	Downgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	0.67	0.39	0.61	0.67	1.08	1.88	1.31	1.6
Monitoring Point 33	Downgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	48	44	49	36	33	38	33	43
Monitoring Point 33	Downgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	2.77	2.73	1.85	1.5	2.59	N/A	1.94	2.83
Monitoring Point 33	Downgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	77	39	34	24	53	47	42	43
Monitoring Point 33	Downgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	1130	1820	821	486	482	536	574	560
Monitoring Point 33	Downgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	12.9	38.2	8.2	20	30.2	8.5	<2	1.06
<b>Date Published</b>					12/09/2019	14/02/2020	12/08/2020	15/02/2021	17/08/2021	16/02/2022	14/04/2023	14/04/2023