



**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	Annual Return Period							
					2021/2022 (28/07/2021)	2021/2022 (25/01/2022)	2022/2023 (17/07/2022)	2022/2023 (25/01/2023)	2023/2024 (18/07/2023)	2023/2024 (16/01/2024)	2024/2025 (15/07/2024)	2024/2025 (20/01/2025)
Monitoring Point 33	Downgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	105	136	42	155	228	190	199	327
Monitoring Point 33	Downgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	0.924	0.907	0.833	1.09	1.24	1.18	1.33	2.07
Monitoring Point 33	Downgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	36	<9	<9	<10	<2	<1
Monitoring Point 33	Downgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	<1	33	<9	<9	<10	~2	200
Monitoring Point 33	Downgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	7	13	12	10	16	10	15	21
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	5.15	13.8	19.5	3.08	33.6	25.4	34	176
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	35.4	22.3	19.5	4.7	39.3	30.1	38.5	191
Monitoring Point 33	Downgradient of Main Transpiration Area	pH	pH	6 monthly	7.38	7.31	7.29	7.29	7.21	7.07	7.06	6.98
Monitoring Point 33	Downgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	1.08	1.88	1.31	1.6	0.99	1.06	1.63	0.87
Monitoring Point 33	Downgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	33	38	33	43	47	54	48	54
Monitoring Point 33	Downgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	2.59	N/A	1.94	2.83	1.62	0.985	1.55	1.4
Monitoring Point 33	Downgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	53	47	42	43	44	65	66	56
Monitoring Point 33	Downgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	482	536	574	560	802	918	822	1940
Monitoring Point 33	Downgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	30.2	8.5	<2	1.06	6	4.6	4.5	15.2
<b>Date Published</b>					8/17/2021	2/16/2022	4/14/2023	4/14/2023	9/10/2023	3/15/2024	11/8/2024	4/12/2025

\* Unable to gauge water level due to well restriction