



## Orica Kooragang Island Monitoring Point 32

### 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

Transpiration Area - Upgradient Groundwater

Monitoring Point	Monitoring Location	Pollutant	Unit of measure	Monitoring frequency	Annual Return Period					
					2019/2020 (06/08/2019)	2019/2020 (14/01/2020)	2020/2021 (27/07/2020)	2020/2021 (12/01/2021)	2021/2022 (28/07/2021)	2021/2022 (25/01/2022)
Monitoring Point 32	Upgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	399	398	589	316	325	193
Monitoring Point 32	Upgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	2.92	2.91	4.13	2.72	1.92	1.2
Monitoring Point 32	Upgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<1	<1	<1
Monitoring Point 32	Upgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<1	<1	<1
Monitoring Point 32	Upgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	15	16	29	17	13	8
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	310	275	630	359	204	108
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	361	358	675	405	233	129
Monitoring Point 32	Upgradient of Main Transpiration Area	pH	pH	6 monthly	7.2	7.59	4.34	4.19	6.11	7.06
Monitoring Point 32	Upgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	0.03	0.21	0.02	0.04	<0.01	<0.01
Monitoring Point 32	Upgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	24	33	21	16	15	12
Monitoring Point 32	Upgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	2.78	2.92	1.745	2.545	2.6	2.57
Monitoring Point 32	Upgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	37	35	12	17	24	13
Monitoring Point 32	Upgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	1750	2480	4150	2520	1520	1040
Monitoring Point 32	Upgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	51	83	44.6	45.6	29.4	129
<b>Date Published</b>					12/09/2019	14/02/2020	12/08/2020	11/02/2021	17/08/2021	16/02/2022