



## 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					
					2017/2018 (17/07/2017)	2017/2018 (23/01/2018)	2018/2019 (23/07/2018)	2018/2019 (21/01/2019)	2019/2020 (06/08/2020)	2019/2020 (14/01/2020)
Monitoring Point 32	Upgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	228	438	343	480	399	398
Monitoring Point 32	Upgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	2.22	2.67	2.23	3.18	2.92	2.91
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	12	26	21	17	15	16
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	189	280	256	366	310	275
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	216	280	291	442	361	358
Monitoring Point 32	Upgradient of Main Transpiration Area	pH	pH	6 monthly	7.47	7.31	7.16	7.12	7.2	7.59
Monitoring Point 32	Upgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	0.02	0.06	0.1	0.2	0.03	0.21
Monitoring Point 32	Upgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	15	30	20	29	24	33
Monitoring Point 32	Upgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	1.665	2.9	2.67	2.9	2.78	2.92
Monitoring Point 32	Upgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	46	134	31	50	37	35
Monitoring Point 32	Upgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	1500	2420	1690	4150	1750	2480
Monitoring Point 32	Upgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	26.7	<0.1	35	76.2	51	83
<b>Date Published</b>					11/09/2017	9/03/2018	13/09/2018	14/05/2019	12/09/2019	14/02/2020