



Orica Kooragang Island Monitoring Point 32

Details of Licence Conditions

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

EPL Monitoring Summary

Transpiration Area - Upgradient Groundwater (MP32)

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 (2/08/2024)	2024/2025 (20/01/2025)
Monitoring Point 32	Upgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	325	193	268	253	287	206	303	311
Monitoring Point 32	Upgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	1.92	1.2	2.3	6.21	7.47	7.41	2.16	1.84
Monitoring Point 32	Upgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<9	<9	<10	<1	<1
Monitoring Point 32	Upgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<9	<9	<10	<1	<2
Monitoring Point 32	Upgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	13	8	18	163	222	226	17	13
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	204	108	265	101	229	256	260	181
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	233	129	292	1140	673	883	310	196
Monitoring Point 32	Upgradient of Main Transpiration Area	pH	pH	6 monthly	6.11	7.06	3.34	6.92	6.89	6.88	4.03	7.01
Monitoring Point 32	Upgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	<0.01	<0.01	0.03	0.08	0.1	0.08	0.01	0.05
Monitoring Point 32	Upgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	15	12	14	93	108	116	33	35
Monitoring Point 32	Upgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	2.6	2.57	1.91	2.83	0.985	1.225	*	*
Monitoring Point 32	Upgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	24	13	20	1870	2230	2970	41	49
Monitoring Point 32	Upgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	1520	1040	1960	2660	3600	3440	1430	1810
Monitoring Point 32	Upgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	29.4	129	27.2	1040	444	627	50.3	15.1
Date Published					8/17/2021	2/16/2022	4/14/2023	4/14/2023	9/10/2023	3/13/2024	11/8/2024	4/12/2025

* Unable to gauge water level due to well restriction