



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							
					2020/2021 (27/07/2020)	2020/2021 (12/01/2021)	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)
Monitoring Point 32	Upgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	589	316	325	193	268	253	287	206
Monitoring Point 32	Upgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	4.13	2.72	1.92	1.2	2.3	6.21	7.47	7.41
Monitoring Point 32	Upgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<1	<1	<9	<9	<10
Monitoring Point 32	Upgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<1	<1	<9	<9	<10
Monitoring Point 32	Upgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	29	17	13	8	18	163	222	226
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	630	359	204	108	265	101	229	256
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	675	405	233	129	292	1140	673	883
Monitoring Point 32	Upgradient of Main Transpiration Area	pH	pH	6 monthly	4.34	4.19	6.11	7.06	3.34	6.92	6.89	6.88
Monitoring Point 32	Upgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	0.02	0.04	<0.01	<0.01	0.03	0.08	0.1	0.08
Monitoring Point 32	Upgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	21	16	15	12	14	93	108	116
Monitoring Point 32	Upgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	1.745	2.545	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	12	17	24	13	20	1870	2230	2970
Monitoring Point 32	Upgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	4150	2520	1520	1040	1960	2660	3600	3440
Monitoring Point 32	Upgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	44.6	45.6	29.4	129	27.2	1040	444	627
				Date Published	12/08/2020	11/02/2021	17/08/2021	16/02/2022	14/04/2023	14/04/2023	10/09/2023	13/03/2024