



July 2025 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results



	Field					Inorganics					Physical Parameter		
	Methane	Depth to groundwater (measured)	DO (Field)	Electrical Conductivity (Non Compensated)	pH (Field)	Temp (Field)	Ammonia as N	Alkalinity (total) as CaCO3	Nitrate (as N)	TOC	Iron (filtered)	Electrical conductivity *(lab)	TSS
	ppm	m	mg/L	µS/cm	-	oC	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	mg/L
EQL							0.01	1	0.01	1	0.05	1	5

Site ID	EPL No.	Location Code	Sampled Date													
Buttonderry	1	B_BTU	10 Jul 2025	-	-	2.74	395.4	5.66	12.1	0.05	26	<0.01	22	2.32	-	13
Buttonderry	2	B_BTM	30 Jul 2025	-	-	-	-	-	-	0.46	48	0.06	20	2.19	974	11
Buttonderry	3	B_BTD	10 Jul 2025	-	-	4.72	1,025	6.61	15.6	2.54	128	2.18	21	0.49	-	58
Buttonderry	4	B_BT20	10 Jul 2025	-	1.14	5.61	11,776	6.23	15.7	0.40	567	0.01	16	2.69	-	-
Buttonderry	5	B_BT19	10 Jul 2025	-	0.2	5.42	11,570	5.69	13.9	0.11	642	0.06	5	<0.05	-	-
Buttonderry	6	B_BT17	11 Jul 2025	-	2.36	5.62	13,742	6.34	15.6	0.04	660	0.16	5	<0.05	-	-
Buttonderry	7	B_BT16	11 Jul 2025	-	1.62	6.52	11,564	6.43	13.5	0.76	714	0.55	38	<0.05	-	-
Buttonderry	9	B_BT4	10 Jul 2025	-	0.82	3.37	14,592	5.4	13.5	0.21	148	0.06	4	24.8	-	-
Buttonderry	11	B_BT3	10 Jul 2025	-	1.83	2.73	14,792	5.36	14	0.35	152	0.01	5	41.0	-	-
Buttonderry	12	B_TB1	11 Jul 2025	-	1.61	1.37	1,053	6.99	14.9	3.20	479	<0.01	26	6.56	-	-
Buttonderry	13	B_TB2	11 Jul 2025	-	1.99	7.79	11,076	5.82	14.4	0.12	188	0.03	5	<0.05	-	-
Buttonderry	14	B_B	10 Jul 2025	-	3.52	7.14	7,147	6.08	19	<0.01	179	<0.01	11	0.13	-	-
Buttonderry	15	Area 1	15 Jul 2025	<5*	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	15 Jul 2025	1,050*	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	15 Jul 2025	675*	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	15 Jul 2025	<5*	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	10 Jul 2025	-	-	4.97	1,169	6.77	13.7	6.71	-	-	28	-	1,010	208
Buttonderry	20	B_Discharge Point 2	10 Jul 2025	-	-	13.66	1,011	7.85	15.1	4.02	-	-	18	-	975	37
Buttonderry	22	B_101S	11 Jul 2025	-	3.5	4.91	17,147	5.72	21.2	0.02	269	0.02	7	1.09	-	-
Buttonderry	23	B_102S	11 Jul 2025	-	1.97	4.72	18,722	5.94	14.2	0.14	165	<0.01	10	2.48	-	-
Buttonderry	24	B_103D	11 Jul 2025	-	2.71	8.3	6,730	5.19	14.5	0.11	74	0.03	59	0.08	-	-
Buttonderry	25	B_104S	11 Jul 2025	-	1.89	6.39	1,838	6.42	13.1	0.20	389	0.08	52	0.38	-	-
Buttonderry	26	B_105S	11 Jul 2025	-	1.59	3.25	2,872	6.23	18	0.48	540	0.31	87	5.81	-	-
Buttonderry	27	B_617S	11 Jul 2025	-	2.1	1.46	11,148	5.04	17.7	0.38	107	<0.01	21	12.7	-	-
Buttonderry	28	B_613	11 Jul 2025	-	3.28	6.09	9,105	5.22	14.4	0.03	107	<0.01	11	18.3	-	-
Buttonderry	29	B_902	10 Jul 2025	-	2.9	7.11	13,512	6.21	13.8	0.04	636	0.01	2	<0.05	-	-
Buttonderry	30	B_901	11 Jul 2025	-	4.91	3.03	10,477	6.58	17.7	0.03	656	<0.01	2	0.08	-	-
Buttonderry	31	B_110D	11 Jul 2025	-	3.08	6.55	12,939	6.25	14.6	<0.01	521	<0.01	33	<0.05	-	-
Buttonderry	32	B_111S	11 Jul 2025	-	3.02	1.98	14,080	4.65	17	0.12	1	<0.01	20	21.6	-	-
Buttonderry	33	B_112D	11 Jul 2025	-	1.99	4.27	11,293	4.35	17.4	0.12	1	<0.01	10	7.86	-	-
Buttonderry	34	B_113s	11 Jul 2025	-	1.05	3.03	2,222	6.14	15.3	0.58	281	0.07	19	2.00	-	-

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

A copy of the Environment Protection Licence (EPL) can be viewed at:

[5955.pdf \(nsw.gov.au\)](#)

Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/08/2025

Buttonderry Waste Management Facility - EPL 5955

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