Trinity Point Marina - Water Quality Monitoring

Month: Jan-25

Date (Hand held insitu measurements)	Location and time	Temperature (c)	PH	Turbidity (NTU)	DO (%) - 1m depth
	Relevant trigger values[b]		6.5-8.5	20	80-110
8/01/2025	A (1) - 1143	25.1	8.46	7.7	87.2
	C (3) - 1146	25.1	8	4.92	85.8
	D (4) - 1153	24.9	9.11	4.16	87.4
	B (2) - 1156	25	6.71	12.42	83
Weekly comments	Weather; Showers with strong southerly				
Name of sample collector	L. Lelaeh				
15/01/2025	A (1) - 1153	29.5	8.63	8.31	92.5
	C (3) - 1156	29.9	8.62	6.63	95.5
	D (4) - 1203	30.5	8.3	6.17	98.5
	B (2) - 1208	30.6	8.1	6.31	96.9
Weekly comments	Weather; Fine				
Name of sample collector	L. Lelaeh				
22/01/2025	A (1) - 1016	25.4	7.99	1.1	109.9
	C (3) - 1028	27.2	8.11	1.2	105.1
	D (4) - 1034	26.2	8.13	1.23	108.6
	B (2) - 1023	25.8	8.11	1.16	112.7
Weekly comments	Weather; Hot				
Name of sample collector	Envirolab representitive - L. Schofield & L. Lelaeh				
29/01/2025	A (1) - 1012	27.1	8.7	4.44	82.9
	C (3) - 1015	27	8.72	2.35	90.2
	D (4) - 1018	27.2	8.71	3.21	88.1
	B (2) - 1022	27.2	8.69	4.45	81.4
Weekly comments	Weather; Fine				
Name of sample collector	L. Lelaeh				
	A (1) -				
	C (3) -				
	D (4) -				
	B (2) -				
Weekly comments					
Name of sample collector					
Monthly Maximums		**30.6**	**9.11**	**12.42**	**112.7**
Monthly Minimums		**24.9**	**6.71**	**1.1**	**81.4**

Weekly monitoring testing for duration of EPA licence 20631

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	29/01/2024	1030	Nil	Nil
Comments	No visible signs			
Name of inspector	L. Lelaeh			

Monthly

Notes

Results shaded in grey exceed relevant trigger values

[a] Results suspected to be erroneous; possibly affected by faulty sensor or poor calibration not identified

[b] sourced from section L2.4 of the EPL issued to JPG and/or Tables 3.3.2 and 3.3.3 of the ANZECC guidelines

[c] Reference data typically refers to site specific data collected over long periods that can be used to establish appropriate trigger values for

[w] represents a wet weather monitoring event

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NATA Laboratory testing	Date	Inside Marina location A (1)	Background location C (3) in Bardens Bay	Trigger Values[a]
Total suspended solids (mg/L)	22/01/2025	<5	<5	10b
Ammonia as N (mg/L)	22/01/2025	0.028	0.044	-
Total Nitrogen as N (mg/L)	22/01/2025	0.2	0.1	0.3
Total Phosphorus as P (mg/L)	22/01/2025	<0.05	<0.05	0.03
TPH (C6-C36) (µg/L)	22/01/2025	<50	<50	-
PAHs (µg/L)	22/01/2025	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	22/01/2025	~5	<1	-
BTEX (Benzene) (µg/L)	22/01/2025	<1	<1	-
BTEX (Toluene) (µg/L)	22/01/2025	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	22/01/2025	<1	<1	-
BTEX (Total Xylenes) (µg/L)	22/01/2025	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	22/01/2025	0.0001	0.0001	0.0055d
Dissolved metals (Cromium) (mg/L)	22/01/2025	0.001	0.001	0.0044e
Dissolved metals (Copper) (mg/L)	22/01/2025	0.001	0.001	0.0013
Dissolved metals (Tin) (mg/L)	22/01/2025	<0.001	<0.001	-
Dissolved metals (Zinc) (mg/L)	22/01/2025	0.013	0.007	0.015d
Comments	Envirolab ref 371155			
Name of sample collector	Envirolab representitive - L. Schofield			

10 times per year until March 2024 (2015 CEMP)

Notes

Shaded results indicate exceedence of 95% ANZECC trigger value(s) and/or value is 20% greater than that of background sites

Dashes (-) indicate applicable data is not provided in ANZECC guidelines (2000)

[a]Values sourced from table 3.3.2 of ANZECC guidelines (2000) unless otherwise stated; only 95% trigger values are represented

[b]Sourced from table 4.4.2 of ANZECC guidelines (2000)

[c]Species for which possible bioaccumulation and secondary poisoning effects should be considered

[d]Figure may not protect key test species from chronic toxicity

[a]Value given specifically for Cr(IV)

[f]Analyte corresponds tp "Total Phosphorus" referred to in ANZECC guidelines (2000)

[g]Elevated measurement is unlikely to be related to construction activities

[w]represents a wet weather monitoring event