Trinity Point Marina - Water Quality Monitoring

Month: Oct-26

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
7/10/2026	A (1) - 1310	22.3	8.04	3.42	69.9
	C (3) - 1315	22.2	8.02	3.02	70.7
	D (4) - 1320	22.9	8.09	4.42	70.6
	B (2) - 1325	22.9	8.17	16.71	76.9
Weekly comments	Weather; overcast with strong southerly wind				
Name of sample collector	M. Hamonet				
14/10/2026	A (1) - 1133	23.4	7.79	2.78	69.4
	C (3) - 1138	23.3	8.05	5.15	66.9
	D (4) - 1143	23.2	8.23	3.02	65
	B (2) - 1148	22.6	7.99	6.81	65.9
Weekly comments	Weather; overcast with strong southerly wind - rain event				
Name of sample collector	M. Hamonet				
21/10/2026	A (1) - 1330	25.2	8	4.24	80.1
	C (3) - 1335	24.5	7.85	1.98	77.8
	D (4) - 1340	23.6	8.07	2.64	79
	B (2) - 1345	24.6	8.12	3.22	78.7
Weekly comments	Weather; scattered cloud with moderate easterly wind				
Name of sample collector	M. Hamonet				
28/10/2026	A (1) - 1305	24.3	8.04	1.65	75.8
	C (3) - 1310	24.1	7.86	2.14	76.2
	D (4) - 1315	24.6	8.04	1.38	78.1
	B (2) - 1320	24.5	8.07	1.27	77.3
Weekly comments	Weather; scattered cloud with strong westerly wind				
Name of sample collector	M. Hamonet				
	A (1) -				
	C (3) -				
	D (4) -				
	B (2) -				
Weekly comments					
Name of sample collector					
Monthly Maximums		**25.2**	**8.23**	**6.81**	**80.1**
Monthly Minimums		**22.2**	**7.79**	**1.27**	**65**

Weekly monitoring testing for duration of EPA licence 20631

Other	**Date**	**Time**	**Location E (5)**	**Location F (6)**
Oil and grease visual inspection	28/10/2026	1350	Nil	Nil
Comments	No visible signs			
Name of inspector	M. Hamonet			

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)	29/10/2026	<5	<5	10b
Ammonia as N (mg/L)	29/10/2026	<0.005	0.008	-
Total Nitrogen as N (mg/L)	29/10/2026	0.2	0.2	0.3
Total Phosphorus as P (mg/L)	29/10/2026	<0.1	<0.1	0.03
TPH (C6-C36) (µg/L)	29/10/2026	<50	<50	-
PAHs (µg/L)	29/10/2026	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	29/10/2026	~4	~2	-
BTEX (Benzene) (µg/L)	29/10/2026	<1	<1	-
BTEX (Toluene) (µg/L)	29/10/2026	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	29/10/2026	<1	<1	-
BTEX (Total Xylenes) (µg/L)	29/10/2026	<1	<1	-
Dissolved metals (Cadmium) (mg/L)	29/10/2026	0.1	0.1	0.0055d
Dissolved metals (Cromium) (mg/L)	29/10/2026	<1	<1	0.0044e
Dissolved metals (Copper) (mg/L)	29/10/2026	3	3	0.0013
Dissolved metals (Tin) (mg/L)	29/10/2026	<1	<1	-
Dissolved metals (Zinc) (mg/L)	29/10/2026	5	5	0.015d
Comments	Envirolab ref 421261			
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