Trinity Point Marina - Water Quality Monitoring

Month: Jun-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
3/06/2026	A (1) - 1320	18.1	7.91	<1	75.2
	C (3) - 1325	18.3	8.01	1.68	72.9
	D (4) - 1332	18.3	7.94	1.37	73.8
	B (2) - 1338	18.4	7.87	1.36	70.3
Weekly comments	Weather; Scattered cloud with strong wind				
Name of sample collector	M. Hamonet				
10/06/2026	A (1) - 0946	17.7	7.93	1.49	78
	C (3) - 0950	17.5	7.95	1.28	79.1
	D (4) - 0958	17.7	8.42	1.33	78.4
	B (2) - 1004	17.7	7.96	1.2	72.7
Weekly comments	Weather; Clear sky with light wind				
Name of sample collector	M. Hamonet				
17/06/2026	A (1) - 1116	18.7	7.87	1.57	76.3
	C (3) - 1121	18.9	8.05	1.77	76.8
	D (4) - 1127	18.6	7.96	1.73	67.1
	B (2) - 1133	18.9	7.98	1.66	70.1
Weekly comments	Weather; Cloudy with no wind				
Name of sample collector	M. Hamonet				
24/06/2026	A (1) - 1328	17.7	8.1	5.41	77.1
	C (3) - 1333	18.8	8.19	2.16	75.8
	D (4) - 1343	18.7	8.14	1.85	75
	B (2) - 1348	18.7	8.32	1.95	74.4
Weekly comments	Weather; Scattered cloud with light wind				
Name of sample collector	M. Hamonet				
	A (1) -				
	C (3) -				
	D (4) -				
	B (2) -				
Weekly comments					
Name of sample collector					
Monthly Maximums		**18.9**	**8.32**	**5.41**	**78**
Monthly Minimums		**17.5**	**7.87**	**<1**	**67.1**

Weekly monitoring testing for duration of EPA licence 20631

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	26/06/2026	1402	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)	24/06/2026	<5	<5	10b
Ammonia as N (mg/L)	24/06/2026	0.02	0.005	-
Total Nitrogen as N (mg/L)	24/06/2026	0.2	0.1	0.3
Total Phosphorus as P (mg/L)	24/06/2026	<0.1	<0.1	0.03
TPH (C6-C36) (µg/L)	24/06/2026	<50	<50	-
PAHs (µg/L)	24/06/2026	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	24/06/2026	~15	~2	-
BTEX (Benzene) (µg/L)	24/06/2026	<1	<1	-
BTEX (Toluene) (µg/L)	24/06/2026	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	24/06/2026	<1	<1	-
BTEX (Total Xylenes) (µg/L)	24/06/2026	<1	<1	-
Dissolved metals (Cadmium) (mg/L)	24/06/2026	<0.1	<0.1	0.0055d
Dissolved metals (Cromium) (mg/L)	24/06/2026	<1	<1	0.0044e
Dissolved metals (Copper) (mg/L)	24/06/2026	1	<1	0.0013
Dissolved metals (Tin) (mg/L)	24/06/2026	<1	<1	-
Dissolved metals (Zinc) (mg/L)	24/06/2026	3	3	0.015d
Comments	Envirolab ref 411818			
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