

Trinity Point Marina - Water Quality Monitoring



Month: Sep-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
3/09/2025	A (1) - 0920	17.4	7.85	1.08	82.8
	C (3) - 0925	17.5	8.41	1.31	81
	D (4) - 0930	17.3	8.17	1.22	81.5
	B (2) - 0935	17.4	7.91	1.16	80.6
Weekly comments	Weather; Clear with light breeze				
Name of sample collector	M. Hamonet				

10/09/2025	A (1) - 1135	20.1	7.92	1.32	87
	C (3) - 1140	19.9	8.24	1.07	85.2
	D (4) - 1145	20.1	8.15	1.3	84.6
	B (2) - 1150	20.4	8.42	1.52	83.3
Weekly comments	Weather; Rain with NE winds				
Name of sample collector	M. Louis & M. Hamonet				

17/09/2025	A (1) - 1105	20	7.98	1.13	94.5
	C (3) - 1110	19.9	7.8	1.15	88.8
	D (4) - 1115	20.3	7.97	1.46	88.9
	B (2) - 1120	20.1	7.88	1.17	89.7
Weekly comments	Weather; Clear with light SW breeze				
Name of sample collector	M. Louis				

24/09/2025	A (1) - 0934	19.4	8.23	<1	74.2
	C (3) - 0939	19.5	8.79	1.42	80
	D (4) - 0944	19.6	8.79	<1	77.6
	B (2) - 0950	19.4	8.45	1.12	75.9
Weekly comments	Weather; Sunny with light breeze				
Name of sample collector	M. Louis				

	A (1) -				
	C (3) -				
	D (4) -				
	B (2) -				
Weekly comments					
Name of sample collector					

Monthly Maximums	20.4	8.79	1.52	94.5
Monthly Minimums	17.3	7.8	<1	74.2

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	24/09/2025	1000	Nil	Nil
Comments	No visible signs			
Name of inspector	M. Hamonet			

Notes

Results shaded in grey exceed relevant trigger values

^aResults suspected to be erroneous; possibly affected by faulty sensor or poor calibration not identified

^bsourced from section L2.4 of the EPL issued to JPG and/or Tables 3.3.2 and 3.3.3 of the ANZECC guidelines

^cReference data typically refers to site specific data collected over long periods that can be used to establish appropriate trigger values for

^wrepresents a wet weather monitoring event

Weekly monitoring testing for duration of EPA licence 20631

Monthly

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Month:

Sep-25

NATA Laboratory testing	Date	Inside Marina location A (1)	Background location C (3) in Bardens Bay	Trigger Values ^a
Total suspended solids (mg/L)	25/09/2025	6	8	10b
Ammonia as N (mg/L)	25/09/2025	0.08	0.071	-
Total Nitrogen as N (mg/L)	25/09/2025	0.1	0.1	0.3
Total Phosphorus as P (mg/L)	25/09/2025	<0.05	<0.05	0.03
TPH (C6-C36) (µg/L)	25/09/2025	<50	<50	-
PAHs (µg/L)	25/09/2025	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	25/09/2025	4	6	-
BTEX (Benzene) (µg/L)	25/09/2025	<1	<1	-
BTEX (Toluene) (µg/L)	25/09/2025	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	25/09/2025	<1	<1	-
BTEX (Total Xylenes) (µg/L)	25/09/2025	<1	<1	-
Dissolved metals (Cadmium) (mg/L)	25/09/2025	<0.1	<0.1	0.0055d
Dissolved metals (Cromium) (mg/L)	25/09/2025	<1	<1	0.0044e
Dissolved metals (Copper) (mg/L)	25/09/2025	1	1	0.0013
Dissolved metals (Tin) (mg/L)	25/09/2025	<1	<1	-
Dissolved metals (Zinc) (mg/L)	25/09/2025	9	11	0.015d
Comments	Envirolab ref 391558			
Name of sample collector	Envirolab representative - 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
^e 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