

# Trinity Point Marina - Water Quality Monitoring



Month:

Dec-22

Date (Hand held insitu measurements)	Location and time	Temperature (c)	PH	Turbidity (NTU)	DO (%) - 1m depth
Relevant trigger values <sup>b</sup>			6.5-8.5	20	80-110
2/12/2022	A (1) - 1428	24.2	8.1	4.07	88.1
	C (3) - 1433	24.1	8.09	3.9	84.2
	D (4) - 1436	24.2	8.07	2.6	81.9
	B (2) - 1439	24.5	8.08	4.21	83.4
Weekly comments	Weather; Overcast with fresh SE wind, after rain event				
Name of sample collector		G. Day			

7/12/2022	A (1) - 1020	25.4	8.21	2.62	80.6
	C (3) - 1015	25.3	8.18	1.39	84.5
	D (4) - 1030	25.5	8.15	1.5	84.5
	B (2) - 1035	25.6	8.13	1.75	83.1
Weekly comments	Weather; Sunny and hot				
Name of sample collector		S.Diamond			

15/12/2022	A (1) - 1020	22.1	8.05	2.26	83.1
	C (3) - 1028	22.2	8.11	3.06	82.2
	D (4) - 1035	22.2	8.09	3.46	82.9
	B (2) - 1040	22.4	8.05	2.35	79.9
Weekly comments	Weather; Sunny with SE breeze				
Name of sample collector		G. Day			

27/12/2022	A (1) - 1013	26.9	8.23	1.43	85.5
	C (3) - 1019	27.5	8.24	1.31	85.7
	D (4) - 1025	27.2	8.15	1.42	85.4
	B (2) - 1030	27.9	8.11	1.73	82.9
Weekly comments	Weather; Sunny with light NE breeze				
Name of sample collector		G. Day			

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

Monthly Maximums	27.9	8.24	4.21	88.1
Monthly Minimums	22.1	8.05	1.31	79.9

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	27/12/2022	1005	Nil	Nil
Comments	No visible signs			
Name of inspector		G. Day		

## Notes

Results shaded in grey exceed relevant trigger values

<sup>a</sup>Results suspected to be erroneous; possibly affected by faulty sensor or poor calibration not identified

<sup>b</sup>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

<sup>c</sup>Reference data typically refers to site specific data collected over long periods that can be used to establish appropriate trigger values for

<sup>w</sup>represents a wet weather monitoring event

Weekly monitoring testing for duration of EPA licence 20631

Monthly

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Month:

Dec-22

NATA Laboratory testing	Date	Inside Marina location A (1)	Background location C (3) in Bardens Bay	Trigger Values <sup>a</sup>
Total suspended solids (mg/L)				
Ammonia as N (mg/L)				
Total Nitrogen as N (mg/L)				
Total Phosphorus as P (mg/L)				
TPH (C6-C36) (µg/L)				
PAHs (µg/L)				
Thermotolerant coliforms (cfu/100mL)				
BTEX (Benzene) (µg/L)				
BTEX (Toluene) (µg/L)				
BTEX (Ethylbenzene) (µg/L)				
BTEX (Total Xylenes) (µg/L)				
Dissolved metals (Cadmium) (mg/L)				
Dissolved metals (Cromium) (mg/L)				
Dissolved metals (Copper) (mg/L)				
Dissolved metals (Tin) (mg/L)				
Dissolved metals (Zinc) (mg/L)				
Comments	Not completed for December - see November testing			
Name of sample collector				

10 times per year until March 2021 (2014 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)

<sup>a</sup>Values sourced from table 3.3.2 of ANZECC guidelines (2000) unless otherwise stated; only 95% trigger values are represented

<sup>b</sup>Sourced from table 4.4.2 of ANZECC guidelines (2000)

<sup>c</sup>Species for which possible bioaccumulation and secondary poisoning effects should be considered

<sup>d</sup>Figure may not protect key test species from chronic toxicity

<sup>a</sup>Value given specifically for Cr(IV)

<sup>f</sup>Analyte corresponds to "Total Phosphorus" referred to in ANZECC guidelines (2000)

<sup>g</sup>Elevated measurement is unlikely to be related to construction activities

<sup>w</sup>represents a wet weather monitoring event