

Trinity Point Marina - Water Quality Monitoring



Month: Dec-24

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
4/12/2024	A (1) - 1310	26.8	7.8	2.78	85.2
	C (3) - 1315	26.6	7.67	2.37	87.5
	D (4) - 1320	27.2	7.56	2.89	94.3
	B (2) - 1325	27.9	7.35	5.37	99.1
Weekly comments	Weather; Fine				
Name of sample collector		K. Wieland & L. Lelaeh			

11/12/2024	A (1) - 0955	27.1	8.24	4.46	87.2
	C (3) - 1000	27	8.06	2.47	88.7
	D (4) - 1005	27.2	8.3	1.65	82.9
	B (2) - 1010	27.1	8.03	3.04	83.1
Weekly comments	Weather; Cloudy with light breeze				
Name of sample collector		M. Hamonet			

18/12/2024	A (1) - 1345	27.3	6.94	4.09	75
	C (3) - 1350	27.4	7.84	4.82	81.2
	D (4) - 1355	27.7	8.68	5.47	83.6
	B (2) - 1400	27.9	7.85	5.87	79.3
Weekly comments	Weather; post rain event, overcast with strong wind and showers				
Name of sample collector		M. Hamonet			

24/12/2024	A (1) - 0910	26.7	8.01	3.43	82.8
	C (3) - 0915	26.7	8.1	2.6	83.5
	D (4) - 0920	26.9	7.9	3.56	84.3
	B (2) - 0930	27	8.04	6.07	85.1
Weekly comments	Weather; Fine				
Name of sample collector		K. Wieland & L. Lelaeh			

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

Monthly Maximums	27.9	8.68	6.07	99.1
Monthly Minimums	26.6	7.35	1.65	75

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	24/12/2024	0935	Nil	Nil
Comments	No visible signs			
Name of inspector		K. Wieland		

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:

Dec-24

NATA Laboratory testing	Date	Inside Marina location A (1)	Background location C (3) in Bardens Bay	Trigger Values ^a
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 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