

Trinity Point Marina - Water Quality Monitoring



Month:

Aug-21

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
2.8.21	A (1) - 1040	16.1	8.19	2.16	100.1
	C (3) - 1045	16.4	8.16	2.46	96
	D (4) - 1050	17.4	8.15	2.55	98.1
	B (2) - 1055	17.1	8.14	2.79	94.9
Weekly comments	Weather; Clear sky, slight breeze from east				
Name of sample collector		S. Diamond & G. Day			

13.8.21	A (1) - 1345	18.7	8.2	2.51	110.3
	C (3) - 1348	18.9	8.09	2.14	103.7
	D (4) - 1351	18.9	8.01	2.44	100.7
	B (2) - 1354	19.4	8.05	2.45	102.1
Weekly comments	Weather; fine				
Name of sample collector		G. Day			

18.8.21	A (1) - 1001	18.2	8.6	2.7	98.2
	C (3) - 1005	18.1	8.4	3.21	101.4
	D (4) - 1008	18.9	8.2	2.4	98.4
	B (2) - 1014	18.6	8.5	2.8	102.2
Weekly comments	Weather; fine				
Name of sample collector		G. Day			

26.8.21	A (1) - 0914	16.5	7.8	4.5	87.4
	C (3) - 0920	16.3	7.85	5.5	83.6
	D (4) - 0924	16.4	7.87	4.5	83.1
	B (2) - 0932	16.8	7.36	6	84
Weekly comments	Weather; fine				
Name of sample collector		G. Day			

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

Monthly Maximums	18.9	8.6	5.5	110.3
Monthly Minimums	16.1	7.36	2.14	83.1

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	26.8.21	9:13am	Nil	Nil
Comments	No visible signs			
Name of inspector		G. Day		

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

^wrepresents a wet weather monitoring event

Weekly monitoring testing for duration of EPA licence 20631

Monthly

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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)				
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 April - see July 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)

^aValues sourced from table 3.3.2 of ANZECC guidelines (2000) unless otherwise stated; only 95% trigger values are represented

^bSourced from table 4.4.2 of ANZECC guidelines (2000)

^cSpecies for which possible bioaccumulation and secondary poisoning effects should be considered

^dFigure may not protect key test species from chronic toxicity

^aValue given specifically for Cr(IV)

ⁱAnalyte corresponds to "Total Phosphorus" referred to in ANZECC guidelines (2000)

^eElevated measurement is unlikely to be related to construction activities

^wrepresents a wet weather monitoring event