

Trinity Point Marina - Water Quality Monitoring



Month:

Mar-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
5.3.21	A (1) - 0800	25.5	8.17	3.3	74.1
	C (3) - 0807	25.4	8.22	2.26	79.5
	D (4) - 0810	26	8.19	1.94	80.3
	B (2) - 0814	26.1	8.16	1.42	75.1
Weekly comments	Weather - calm and light wind				
Name of sample collector		A Champan			

11.3.21	A (1) - 0945	25.6	8.18	3.44	79.3
	C (3) - 0948	25.6	8.19	2.9	81
	D (4) - 0952	25.5	8.2	2.1	86.5
	B (2) - 0956	25.7	8.17	2	80.1
Weekly comments	Weather - overcast				
Name of sample collector		A Champan			

19.3.21	A (1) - 0745	21.6	7.82	22.6	83.2
	C (3) - 0749	21.6	7.61	28.9	81.9
	D (4) - 0755	21.4	7.5	36.1	79.3
	B (2) - 0759	21.3	7.44	4.6	79.1
Weekly comments	150mm rain event on day before, lake brown and 300mm higher than usual				
Name of sample collector		A Champan			

25.3.21	A (1) - 0900	21.6	7.67	12.29	79.4
	C (3) - 0905	22.1	7.57	10.14	76.4
	D (4) - 0909	22.1	7.52	11.37	77.1
	B (2) - 0913	22.2	7.5	11.52	76.6
Weekly comments	day after major flood event, lake very brown and higher than usual				
Name of sample collector		A Champan			

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

Monthly Maximums				
Monthly Minimums				

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	11.3.21	7:15am	Nil	Nil
Comments	No visible signs			
Name of inspector		A Champan		

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
^w represents 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 February 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)

¹Analyte 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