

Trinity Point Marina - Water Quality Monitoring



Month: Nov-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
6/11/2024	A (1) - 1227	23.5	8.12	2.21	96
	C (3) - 1232	24	8.38	2.04	98.9
	D (4) - 1240	23.5	8.2	1.7	102.2
	B (2) - 1245	23.7	8.4	1.48	97
Weekly comments	Weather; clear sky with light breeze				
Name of sample collector		M. Hamonet			

13/11/2024	A (1) - 1025	23.8	8.87	1.75	87.5
	C (3) - 1033	24.3	8.67	3.66	91.6
	D (4) - 1041	24.9	8.66	1.67	91.4
	B (2) - 1048	24.5	8.64	1.3	84.9
Weekly comments	Weather; Overcast with light breeze				
Name of sample collector		M. Hamonet			

21/11/2024	A (1) - 0942	24.1	7.99	9.9	91
	C (3) - 0950	24.5	8.05	13.8	87.9
	D (4) - 0955	24.6	8.1	15.1	89.6
	B (2) - 0947	24	8.05	11	89.6
Weekly comments	Weather; clear day with mild wind				
Name of sample collector		RCA representative - S. King & M. Hamonet			

26/11/2024	A (1) - 0945	26.2	8.6	2.4	90.6
	C (3) - 0950	26.4	8.2	2.28	96.4
	D (4) - 0956	27.9	8.35	3.2	93.5
	B (2) - 1001	26.6	8.48	3.36	91
Weekly comments	Weather; hot, clear day with light breeze				
Name of sample collector		M. Hamonet			

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

Monthly Maximums	27.9	8.87	15.1	102.2
Monthly Minimums	23.5	7.99	1.3	84.9

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	21/11/2024	0935	Nil	Nil
Comments	No visible signs			
Name of inspector		RCA representative - S. King & J. Thompson		

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

Trinity Point Marina - Water Quality Monitoring



Month:

Nov-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)	21/11/2024	5	<5	10b
Ammonia as N (mg/L)	21/11/2024	<0.005	0.009	-
Total Nitrogen as N (mg/L)	21/11/2024	0.1	0.1	0.3
Total Phosphorus as P (mg/L)	21/11/2024	<0.05	<0.05	0.03
TPH (C6-C36) (µg/L)	21/11/2024	<50	<50	-
PAHs (µg/L)	21/11/2024	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	21/11/2024	~6	~1	-
BTEX (Benzene) (µg/L)	21/11/2024	<1	<1	-
BTEX (Toluene) (µg/L)	21/11/2024	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	21/11/2024	<1	<1	-
BTEX (Total Xylenes) (µg/L)	21/11/2024	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	21/11/2024	0.0001	0.0002	0.0055d
Dissolved metals (Cromium) (mg/L)	21/11/2024	0.001	0.001	0.0044e
Dissolved metals (Copper) (mg/L)	21/11/2024	0.002	0.003	0.0013
Dissolved metals (Tin) (mg/L)	21/11/2024	<0.001	<0.001	-
Dissolved metals (Zinc) (mg/L)	21/11/2024	0.024	0.022	0.015d
Comments	RCA ref 14302-767/0			
Name of sample collector	RCA representative - S. King			

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