

Trinity Point Marina - Water Quality Monitoring



Month:

Sep-22

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
10.9.22	A (1) - 0923	17.7	8.07	1.82	90.5
	C (3) - 0925	17.7	8.05	1.75	88.7
	D (4) - 0929	17.7	8.05	1.91	89.7
	B (2) - 0933	17.6	8.03	1.77	90.9
Weekly comments	Weather; Overcast				
Name of sample collector		S.Diamond			

14.9.22	A (1) - 0926	18.1	8.03	2.04	90.6
	C (3) - 0930	18	8.08	7.81	92
	D (4) - 0935	18.1	8.03	1.82	91.3
	B (2) - 0939	18.1	8.02	1.92	92.2
Weekly comments	Weather; Sunny, no breeze				
Name of sample collector		S.Diamond			

21.9.22	A (1) - 1049	19.2	8.12	2.01	101.3
	C (3) - 1054	19.1	8.03	1.83	90.6
	D (4) - 1058	19.2	8.12	1.44	93.6
	B (2) - 1102	19.3	8.07	1.3	91.4
Weekly comments	Weather; Overcast with NE breeze				
Name of sample collector		S. Luker & S.Diamond			

28.9.22	A (1) - 0914	21	7.91	2.3	97.1
	C (3) - 0926	21	8.01	7.5	90.1
	D (4) - 0928	22.7	8.05	3	95
	B (2) - 0932	21	8	3	95
Weekly comments	Weather; Sunny, rain expected				
Name of sample collector		S. Luker + RCA representative - S. King			

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

Monthly Maximums	22.7	8.12	7.5	101.3
Monthly Minimums	17.6	7.91	1.3	88.7

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	28.9.22	900	Nil	Nil
Comments	No visible signs			
Name of inspector		S. Luker		

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)	28.9.22	<5	<5	10b
Ammonia as N (mg/L)	28.9.22	<0.01	<0.01	-
Total Nitrogen as N (mg/L)	28.9.22	0.171	0.17	0.3
Total Phosphorus as P (mg/L)	28.9.22	0.002	<0.001	0.03
TPH (C6-C36) (µg/L)	28.9.22	<50	<50	-
PAHs (µg/L)	28.9.22	<1.0	<1.0	-
Thermotolerant coliforms (cfu/100mL)	28.9.22	<1	<1	-
BTEX (Benzene) (µg/L)	28.9.22	<1	<1	-
BTEX (Toluene) (µg/L)	28.9.22	<2	<2	-
BTEX (Ethylbenzene) (µg/L)	28.9.22	<2	<2	-
BTEX (Total Xylenes) (µg/L)	28.9.22	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	28.9.22	<0.0002	<0.0002	0.0055d
Dissolved metals (Cromium) (mg/L)	28.9.22	<0.0005	<0.0005	0.0044e
Dissolved metals (Copper) (mg/L)	28.9.22	0.002	0.003	0.0013
Dissolved metals (Tin) (mg/L)	28.9.22	<0.005	<0.005	-
Dissolved metals (Zinc) (mg/L)	28.9.22	0.02	0.021	0.015d
Comments	RCA ref 14302-743/0			
Name of sample collector	S. King			

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)
^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 to "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