

Trinity Point Marina - Water Quality Monitoring



Month:

Feb-23

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
2/02/2023	A (1) - 1005	28.1	8.23	3.69	87.6
	C (3) - 1010	28.2	8.22	2.49	82.9
	D (4) - 1016	28.1	8.18	2.57	77.8
	B (2) - 1020	28.6	8.18	2.91	73.6
Weekly comments	Weather; Fine & sunny with light wind				
Name of sample collector		G. Day			

8/02/2023	A (1) - 1208	28.5	8.19	2.56	75.2
	C (3) - 1214	28.4	8.2	2.48	75.2
	D (4) - 1220	28.2	8.2	2.85	76.6
	B (2) - 1224	28.8	8.19	2.92	77.9
Weekly comments	Weather; Sunny with NE breeze				
Name of sample collector		S. Luker & S.Diamond			

15/02/2023	A (1) - 1015	27.1	8.05	2.1	63.4 ^a
	C (3) - 1020	26.9	8.06	2.14	63.5 ^a
	D (4) - 1025	26.9	8.05	2.82	65.9 ^a
	B (2) - 1030	27	8	2.99	63.8 ^a
Weekly comments	Weather; Sunny with no breeze				
Name of sample collector		S.Diamond			

23/02/2023	A (1) - 1000	26.2	7.94	17.4	84.8
	C (3) - 1010	26.6	7.9	16.7	84.6
	D (4) - 1020	26.7	7.9	13.4	81.9
	B (2) - 1030	26.2	7.87	15.1	82.1
Weekly comments	Weather; Overcast with slight breeze				
Name of sample collector		G. Day + RCA representative - S. King			

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

Monthly Maximums	28.8	8.23	17.4	87.6
Monthly Minimums	26.2	7.87	2.1	63.4 ^a

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	23/02/2023	1035	Nil	Nil
Comments	No visible signs			
Name of inspector		RCA representative - S. King		

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 for
^w represents a wet weather monitoring event

Weekly monitoring testing for duration of EPA licence 20631

Monthly

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Month:

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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)	23/02/2023	<5	<5	10b
Ammonia as N (mg/L)	23/02/2023	<0.01	<0.01	-
Total Nitrogen as N (mg/L)	23/02/2023	0.196	0.183	0.3
Total Phosphorus as P (mg/L)	23/02/2023	0.001	0.003	0.03
TPH (C6-C36) (µg/L)	23/02/2023	<50	<50	-
PAHs (µg/L)	23/02/2023	<1.0	<1.0	-
Thermotolerant coliforms (cfu/100mL)	23/02/2023	<1	<1	-
BTEX (Benzene) (µg/L)	23/02/2023	<1	<1	-
BTEX (Toluene) (µg/L)	23/02/2023	<2	<2	-
BTEX (Ethylbenzene) (µg/L)	23/02/2023	<2	<2	-
BTEX (Total Xylenes) (µg/L)	23/02/2023	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	23/02/2023	<0.0002	<0.0002	0.0055d
Dissolved metals (Cromium) (mg/L)	23/02/2023	<0.0005	<0.0005	0.0044e
Dissolved metals (Copper) (mg/L)	23/02/2023	0.004	0.003	0.0013
Dissolved metals (Tin) (mg/L)	23/02/2023	<0.005	<0.005	-
Dissolved metals (Zinc) (mg/L)	23/02/2023	0.011	0.016	0.015d
Comments	RCA ref 14302-748/0			
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)

^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

^eValue given specifically for Cr(IV)

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

^gElevated measurement is unlikely to be related to construction activities

^wrepresents a wet weather monitoring event