

Trinity Point Marina - Water Quality Monitoring



Month: Oct-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
3/10/2024	A (1) - 1033	20.1	9.77	2.28	92.4
	C (3) - 1042	19.9	9.74	1.71	93.2
	D (4) - 1051	20	9.81	1.83	95.9
	B (2) - 1056	20.3	9.77	1.91	94.2
Weekly comments	Weather; Partly cloudy with light breeze				
Name of sample collector		M. Hamonet & E. Morton			

9/10/2024	A (1) - 0956	19.9	9.8	3.55	87.1
	C (3) - 1004	19.8	9.67	2.9	88.8
	D (4) - 1013	20.3	9.28	2.77	88.2
	B (2) - 1018	20.2	9.98	2.83	86.5
Weekly comments	Weather; Overcast with light breeze after rain event				
Name of sample collector		M. Hamonet			

16/10/2024	A (1) - 0910	20	8.92	1.83	82.6
	C (3) - 0915	20.3	9.8	1.95	91.4
	D (4) - 0920	20.2	9.77	1.19	93.9
	B (2) - 0927	20.1	9.68	1.42	88.7
Weekly comments	Weather; Partly cloudy with light breeze				
Name of sample collector		M. Hamonet & K. O'Mallay			

23/10/2024	A (1) - 0933	21.4	7.99	7.9	82.6
	C (3) - 0945	22.3	8.06	9.8	85.2
	D (4) - 0941	22.4	8.07	9.4	83
	B (2) - 0951	21.4	8.04	9.3	83.6
Weekly comments	Weather; Fine				
Name of sample collector		RCA representative - S. King & J. Thompson			

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

Monthly Maximums	22.4	9.98	9.8	95.9
Monthly Minimums	19.8	7.99	1.19	82.6

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	23/10/2024	0959	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

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Month:

Oct-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)	23/10/2024	<5	<5	10b
Ammonia as N (mg/L)	23/10/2024	<0.005	0.005	-
Total Nitrogen as N (mg/L)	23/10/2024	0.2	0.1	0.3
Total Phosphorus as P (mg/L)	23/10/2024	0.07	<0.05	0.03
TPH (C6-C36) (µg/L)	23/10/2024	<50	<50	-
PAHs (µg/L)	23/10/2024	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	23/10/2024	~2	<1	-
BTEX (Benzene) (µg/L)	23/10/2024	<1	<1	-
BTEX (Toluene) (µg/L)	23/10/2024	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	23/10/2024	<1	<1	-
BTEX (Total Xylenes) (µg/L)	23/10/2024	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	23/10/2024	0.0001	0.0001	0.0055d
Dissolved metals (Cromium) (mg/L)	23/10/2024	<0.001	<0.001	0.0044e
Dissolved metals (Copper) (mg/L)	23/10/2024	0.002	0.001	0.0013
Dissolved metals (Tin) (mg/L)	23/10/2024	<0.001	<0.001	-
Dissolved metals (Zinc) (mg/L)	23/10/2024	0.02	0.026	0.015d
Comments	RCA ref 14302-766/0			
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 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