

Trinity Point Marina - Water Quality Monitoring



Month: Jun-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
5/06/2024	A (1) - 0930	18.4	8.02	13.5	99.5
	C (3) - 0935	18.3	8.03	13.7	90.7
	D (4) - 0940	19	8.01	13.3	90.1
	B (2) - 0945	19.2	8.01	13.2	88.7
Weekly comments	Weather; Sunny day post rain event				
Name of sample collector	K. Wieland & M. Louis				

12/06/2024	A (1) - 0915	17.5	8.05	14.4	93.7
	C (3) - 0920	17.2	8.1	14.8	92.4
	D (4) - 0925	17.3	8.15	18	97.1
	B (2) - 0930	17.2	8.08	15.7	87.6
Weekly comments	Weather; Sunny westerly wind				
Name of sample collector	K. Wieland & M. Louis				

19/06/2024	A (1) - 1015	16.2	8.11	16.7	86
	C (3) - 1020	16.5	8.16	16.7	87
	D (4) - 1025	16.7	8.15	12.6	84.2
	B (2) - 1030	16.8	8.15	12.3	85.2
Weekly comments	Weather; Fine				
Name of sample collector	K. Wieland & M. Louis				

26/06/2024	A (1) - 1431	18.7	7.95	1.7	98.7
	C (3) - 1438	18.6	7.97	2.4	91.4
	D (4) - 1434	18.4	7.99	3.8	91.3
	B (2) - 1442	18.4	7.99	3.1	90.1
Weekly comments	Weather; Clear day				
Name of sample collector	RCA representative - S. King				

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

Monthly Maximums	19.2	8.16	18	99.5
Monthly Minimums	16.2	7.95	1.7	84.2

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	26/06/2024	1220	Nil	Nil
Comments	No visible signs			
Name of inspector	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:

Jun-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)	26/06/2024	6	10	10b
Ammonia as N (mg/L)	26/06/2024	0.16	0.17	-
Total Nitrogen as N (mg/L)	26/06/2024	0.2	0.2	0.3
Total Phosphorus as P (mg/L)	26/06/2024	0.1	<0.1	0.03
TPH (C6-C36) (µg/L)	26/06/2024	<50	<50	-
PAHs (µg/L)	26/06/2024	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	26/06/2024	~1	~1	-
BTEX (Benzene) (µg/L)	26/06/2024	<1	<1	-
BTEX (Toluene) (µg/L)	26/06/2024	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	26/06/2024	<1	<1	-
BTEX (Total Xylenes) (µg/L)	26/06/2024	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	26/06/2024	0.0002	0.0002	0.0055d
Dissolved metals (Cromium) (mg/L)	26/06/2024	0.002	0.002	0.0044e
Dissolved metals (Copper) (mg/L)	26/06/2024	0.002	0.002	0.0013
Dissolved metals (Tin) (mg/L)	26/06/2024	<0.001	<0.001	-
Dissolved metals (Zinc) (mg/L)	26/06/2024	0.047	0.064	0.015d
Comments	RCA ref 14302-762/0			
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