

Trinity Point Marina - Water Quality Monitoring



Month:

Sep-21

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
2.9.21	A (1) - 1300	17.6	8.19	2.87	95.4
	C (3) - 1304	17.9	7.91	2.97	99.6
	D (4) - 1309	16.8	8.14	2.64	100.1
	B (2) - 1313	16.4	8.22	2.87	99.2
Weekly comments	Weather; Fine				
Name of sample collector		G.Day			

9.9.21	A (1) - 0930	17.4	8.4	2.91	99.9
	C (3) - 0934	17.8	8.22	2.87	100.2
	D (4) - 0940	16.9	8.69	2.62	96.4
	B (2) - 0944	17.2	8.14	3.1	96.8
Weekly comments	Weather; Overcast with light wind				
Name of sample collector		G.Day			

17.9.21	A (1) - 1345	19.7	8.19	2.94	111.3
	C (3) - 1350	19.3	8.2	2.53	109.5
	D (4) - 1355	19.2	8.17	2.81	100.4
	B (2) - 1400	19.4	8.16	4.86	106.2
Weekly comments	Weather; Sunny with light wind				
Name of sample collector		S. Diamond & G.Day			

21.9.21	A (1) - 1005	18	8.19	3.77	102.1
	C (3) - 1010	17.8	8.22	3.25	98.6
	D (4) - 1013	18.1	8.13	2.91	94.8
	B (2) - 1020	18.1	8.14	2.61	92.6
Weekly comments	Weather; Sunny day				
Name of sample collector		S. Diamond & Cody			

29.9.21	A (1) - 0920	19.6	7.9	8.8	91.5
	C (3) - 0926	19.6	7.81	8	83
	D (4) - 0930	19.7	7.81	7.2	90.3
	B (2) - 0937	20.4	7.89	5.60	89.4
Weekly comments	Weather; Sunny day				
Name of sample collector		S. Diamond, G Day + RCA representative - S King			

Monthly Maximums	20.4	8.69	8.8	111.3
Monthly Minimums	16.4	7.81	2.53	83

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	29.9.21	9:48am	Nil	Nil
Comments	No visible signs			
Name of inspector		S. Diamond		

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)	29.9.21	<5	7	10b
Ammonia as N (mg/L)	29.9.21	<0.02	<0.02	-
Total Nitrogen as N (mg/L)	29.9.21	0.243	0.242	0.3
Total Phosphorus as P (mg/L)	29.9.21	<0.001	0.001	0.03
TPH (C6-C36) (µg/L)	29.9.21	<50	<50	-
PAHs (µg/L)	29.9.21	<1.0	<1.0	-
Thermotolerant coliforms (cfu/100mL)	29.9.21	<1	<1	-
BTEX (Benzene) (µg/L)	29.9.21	<1	<1	-
BTEX (Toluene) (µg/L)	29.9.21	<2	<2	-
BTEX (Ethylbenzene) (µg/L)	29.9.21	<2	<2	-
BTEX (Total Xylenes) (µg/L)	29.9.21	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	29.9.21	<0.0002	<0.0002	0.0055d
Dissolved metals (Cromium) (mg/L)	29.9.21	<0.0005	<0.0005	0.0044e
Dissolved metals (Copper) (mg/L)	29.9.21	0.002	0.002	0.0013
Dissolved metals (Tin) (mg/L)	29.9.21	<0.005	<0.005	-
Dissolved metals (Zinc) (mg/L)	29.9.21	0.005	<0.005	0.015d
Comments	RCA ref 14302-732/0			
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
^a 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