

Trinity Point Marina - Water Quality Monitoring



Month: Sep-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
4/09/2024	A (1) - 1030	18.1	8.02	10.2	93.1
	C (3) - 1035	18.25	8.1	9.6	94.2
	D (4) - 1045	18.15	8.03	8.1	93.1
	B (2) - 1040	18.35	8.04	8.6	89.1
Weekly comments	Weather; Fine & sunny				
Name of sample collector		M. Hamonet			

11/09/2024	A (1) - 1100	18.12	8.02	11.2	95.1
	C (3) - 1105	18.2	8.04	11.1	94.9
	D (4) - 1115	18.1	8.04	9.1	89.2
	B (2) - 1110	18.05	8.1	10.2	94.2
Weekly comments	Weather; Fine, light breeze				
Name of sample collector		M. Hamonet			

16/09/2024	A (1) - 1005	18.33	8.01	11.6	94.1
	C (3) - 1018	18.29	8.02	8.2	94.9
	D (4) - 1022	18.10	8.03	8	89
	B (2) - 1010	18.06	8.03	8.4	95.1
Weekly comments	Weather; Fine, light breeze				
Name of sample collector		RCA representative - S. King & R. Wilson			

25/09/2024	A (1) - 1000	18.25	8	9.1	93.1
	C (3) - 1010	18.2	8.04	9.2	95.1
	D (4) - 1020	18	8.04	8	94.1
	B (2) - 1030	18.1	8.03	8.4	89
Weekly comments	Weather; Overcast, light breeze				
Name of sample collector		M. Hamonet			

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

Monthly Maximums	18.4	8.1	11.6	95.1
Monthly Minimums	18.0	8.0	8.0	89.0

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	25/09/2024	1040	Nil	Nil
Comments	No visible signs			
Name of inspector		M. Hamonet		

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

Trinity Point Marina - Water Quality Monitoring



Month:

Sep-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)	16/09/2024	10	6	10b
Ammonia as N (mg/L)	16/09/2024	0.034	0.019	-
Total Nitrogen as N (mg/L)	16/09/2024	0.1	0.1	0.3
Total Phosphorus as P (mg/L)	16/09/2024	<0.05	<0.05	0.03
TPH (C6-C36) (µg/L)	16/09/2024	<50	<50	-
PAHs (µg/L)	16/09/2024	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	16/09/2024	<1	<1	-
BTEX (Benzene) (µg/L)	16/09/2024	<1	<1	-
BTEX (Toluene) (µg/L)	16/09/2024	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	16/09/2024	<1	<1	-
BTEX (Total Xylenes) (µg/L)	16/09/2024	<2	<2	-
Dissolved metals (Cadmium) (mg/L)	16/09/2024	0.0001	0.0001	0.0055d
Dissolved metals (Cromium) (mg/L)	16/09/2024	0.004	0.002	0.0044e
Dissolved metals (Copper) (mg/L)	16/09/2024	0.001	0.002	0.0013
Dissolved metals (Tin) (mg/L)	16/09/2024	<0.001	<0.001	-
Dissolved metals (Zinc) (mg/L)	16/09/2024	0.007	0.016	0.015d
Comments	RCA ref 14302-765/0			
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)

^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