Trinity Point Marina - Water Quality Monitoring

Month: Mar-25

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
5/03/2025	A (1) - 0956	26.7	7.71	3.34	81.9
	C (3) - 1001	26.5	7.91	4.44	87.3
	D (4) - 1006	26.8	7.88	3.26	86.1
	B (2) - 1012	26.9	7.7	5.26	86.3
Weekly comments	Weather; Cloudy with moderate wind - after rain event				
Name of sample collector	M. Hamonet				
12/03/2025	A (1) - 1018	25.1	7.98	1.27	86.8
	C (3) - 1023	24.8	7.96	<1	90.6
	D (4) - 1028	25.8	7.91	<1	85.5
	B (2) - 1033	25.8	8.03	1.84	87.3
Weekly comments	Weather; Overcast with light wind				
Name of sample collector	M. Hamonet				
19/03/2025	A (1) - 1035	25.5	7.87	1.53	86.9
	C (3) - 1039	25.5	7.8	1.05	87.6
	D (4) - 1044	25.8	7.91	1.21	85.2
	B (2) - 1049	25.5	7.9	1.28	86.4
Weekly comments	Weather; Overcast with light wind				
Name of sample collector	M. Hamonet				
20/03/2025	A (1) - 1020	24.9	7.9	5.6	110
	C (3) - 1024	25.3	8	5.8	84
	D (4) - 1026	25.6	8.04	5.9	84.6
	B (2) - 1022	25.3	7.96	6	106.4
Weekly comments	Weather; fine after rain event				
Name of sample collector	Envirolab representitive - L. Schofield				
	A (1) -				
	C (3) -				
	D (4) -				
	B (2) -				
Weekly comments					
Name of sample collector					
Monthly Maximums		**26.9**	**8.04**	**5.9**	**110**
Monthly Minimums		**24.8**	**7.7**	**<1**	**81.9**

Weekly monitoring testing for duration of EPA licence 20631

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	19/03/2025	1055	Nil	Nil
Comments	No visible signs			
Name of inspector	M. Hamonet			

Monthly

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

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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)	20/03/2025	<5	<5	10b
Ammonia as N (mg/L)	20/03/2025	<0.005	0.007	-
Total Nitrogen as N (mg/L)	20/03/2025	0.1	0.1	0.3
Total Phosphorus as P (mg/L)	20/03/2025	<0.05	<0.05	0.03
TPH (C6-C36) (µg/L)	20/03/2025	<50	<50	-
PAHs (µg/L)	20/03/2025	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	20/03/2025	1	1	-
BTEX (Benzene) (µg/L)	20/03/2025	<1	<1	-
BTEX (Toluene) (µg/L)	20/03/2025	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	20/03/2025	<1	<1	-
BTEX (Total Xylenes) (µg/L)	20/03/2025	<1	<1	-
Dissolved metals (Cadmium) (µg/L)	20/03/2025	0.1	0.1	0.0055d
Dissolved metals (Cromium) (µg/L)	20/03/2025	2	4	0.0044e
Dissolved metals (Copper) (µg/L)	20/03/2025	2	2	0.0013
Dissolved metals (Tin) (µg/L)	20/03/2025	3	<1	-
Dissolved metals (Zinc) (µg/L)	20/03/2025	<1	54	0.015d
Comments	Envirolab ref 376062			
Name of sample collector	Envirolab representitive - L. Schofield			

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

[a]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