Trinity Point Marina - Water Quality Monitoring

Month: May-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
7/05/2025	A (1) - 1039	22.7	7.82	<1	94.1
	C (3) - 1044	23	7.8	<1	92.4
	D (4) - 1049	23	7.96	<1	92.2
	B (2) - 1054	22.8	7.8	<1	88.3
Weekly comments	Weather; Sunny, scattered cloud and light wind				
Name of sample collector	M. Hamonet				
14/05/2025	A (1) - 1108	22.8	8.15	5.73	93.2
	C (3) - 1113	22.9	8.02	2.82	91.8
	D (4) - 1118	23.3	7.88	5.94	91.5
	B (2) - 1123	23.2	7.8	2.88	89.5
Weekly comments	Weather; Partly cloudy with light wind				
Name of sample collector	M. Hamonet				
21/05/2025	A (1) - 1434	17.8	7.82	13.89	89.3
	C (3) - 1439	17.7	8.13	10.11	89.1
	D (4) - 1444	17.9	7.75	9.17	87.8
	B (2) - 1449	18	8.59	9.25	83
Weekly comments	Weather; Overcast, light wind - post rain event				
Name of sample collector	M. Hamonet				
28/05/2025	A (1) - 0959	18.2	7.62	3.05	73.5
	C (3) - 1004	18	7.3	2.77	75.2
	D (4) - 1009	17.8	7.32	2	73.2
	B (2) - 1014	18.1	7.25	2.85	73.9
Weekly comments	Weather; Sunny with moderate wind				
Name of sample collector	M. Hamonet				
	A (1) -				
	C (3) -				
	D (4) -				
	B (2) -				
Weekly comments					
Name of sample collector					
Monthly Maximums		**23.3**	**8.59**	**13.89**	**94.1**
Monthly Minimums		**17.7**	**7.25**	**<1**	**73.2**

Weekly monitoring testing for duration of EPA licence 20631

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	28/05/2025	1025	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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Month: May-25

NATA Laboratory testing	Date	Inside Marina location A (1)	Background location C (3) in Bardens Bay	Trigger Values[a]
Total suspended solids (mg/L)	30/05/2025	<5	5	10b
Ammonia as N (mg/L)	30/05/2025	0.062	0.05	-
Total Nitrogen as N (mg/L)	30/05/2025	0.4	0.3	0.3
Total Phosphorus as P (mg/L)	30/05/2025	<0.05	<0.05	0.03
TPH (C6-C36) (µg/L)	30/05/2025	<50	<50	-
PAHs (µg/L)	30/05/2025	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	30/05/2025	310	~40	-
BTEX (Benzene) (µg/L)	30/05/2025	<1	<1	-
BTEX (Toluene) (µg/L)	30/05/2025	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	30/05/2025	<1	<1	-
BTEX (Total Xylenes) (µg/L)	30/05/2025	<1	<1	-
Dissolved metals (Cadmium) (mg/L)	30/05/2025	<0.1	<0.1	0.0055d
Dissolved metals (Cromium) (mg/L)	30/05/2025	5	2	0.0044e
Dissolved metals (Copper) (mg/L)	30/05/2025	3	6	0.0013
Dissolved metals (Tin) (mg/L)	30/05/2025	<1	<1	-
Dissolved metals (Zinc) (mg/L)	30/05/2025	70	73	0.015d
Comments	Envirolab ref 382027			
Name of sample collector	Envirolab representitive - Stuart Chen			

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