Trinity Point Marina - Water Quality Monitoring

Month: Jul-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
3/07/2025	A (1) - 1420	15.7	8.81	2.15	96
	C (3) - 1425	15.6	9.59	1.66	89.2
	D (4) - 1430	15.7	8.42	1.45	89.6
	B (2) - 1435	15.5	8.72	1.62	85.2
Weekly comments	Weather; Clear with light wind				
Name of sample collector	L. Lelaeh				
9/07/2025	A (1) - 1251	15.9	8.12	<1	87.5
	C (3) - 1256	16.1	8.54	<1	88.9
	D (4) - 1301	16.4	8.46	<1	88.1
	B (2) - 1308	16	8.24	<1	86.8
Weekly comments	Weather; Clear with moderate wind				
Name of sample collector	M. Hamonet				
17/07/2025	A (1) - 1020	16	8.35	1.1	80.3
	C (3) - 1025	16	8.32	1.2	81.8
	D (4) - 1030	15.9	8.18	1.4	85.6
	B (2) - 1035	15.8	8.45	1.5	86.2
Weekly comments	Weather; Fine with light wind				
Name of sample collector	M. Hamonet				
23/07/2025	A (1) - 1330	16.9	8.12	1.4	99.2
	C (3) - 1335	16.6	8.08	<1	94
	D (4) - 1340	16.5	7.9	<1	94.1
	B (2) - 1345	16.3	7.49	<1	91.7
Weekly comments	Weather; Scattered cloud with moderate wind				
Name of sample collector	M. Hamonet				
	A (1) -				
	C (3) -				
	D (4) -				
	B (2) -				
Weekly comments					
Name of sample collector					

Weekly monitoring testing for duration of EPA licence 20631

Monthly Maximums	**16.9**	**9.59**	**2.15**	**99.2**
Monthly Minimums	**15.5**	**7.49**	**<1**	**80**

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	23/07/2025	1350	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)	17/07/2025	<5	<5	10b
Ammonia as N (mg/L)	17/07/2025	0.02	0.02	-
Total Nitrogen as N (mg/L)	17/07/2025	0.1	0.1	0.3
Total Phosphorus as P (mg/L)	17/07/2025	<0.1	<0.1	0.03
TPH (C6-C36) (µg/L)	17/07/2025	<50	<50	-
PAHs (µg/L)	17/07/2025	<0.1	<0.1	-
Thermotolerant coliforms (cfu/100mL)	17/07/2025	74	1	-
BTEX (Benzene) (µg/L)	17/07/2025	<1	<1	-
BTEX (Toluene) (µg/L)	17/07/2025	<1	<1	-
BTEX (Ethylbenzene) (µg/L)	17/07/2025	<1	<1	-
BTEX (Total Xylenes) (µg/L)	17/07/2025	<1	<1	-
Dissolved metals (Cadmium) (mg/L)	17/07/2025	<0.2	<0.2	0.0055d
Dissolved metals (Cromium) (mg/L)	17/07/2025	6	4	0.0044e
Dissolved metals (Copper) (mg/L)	17/07/2025	6	3	0.0013
Dissolved metals (Tin) (mg/L)	17/07/2025	<2	<2	-
Dissolved metals (Zinc) (mg/L)	17/07/2025	43	52	0.015d
Comments	Envirolab ref 386107			
Name of sample collector	Envirolab representitive - S. Joseph			

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