Trinity Point Marina - Water Quality Monitoring

Month: May

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
3/05/2021	A (1) - 11:43	22	8.36	3.35	98
	C (3) - 11:49	22.1	8.36	2.42	97.2
	D (4) - 11:59	22.7	8.35	2.37	86
	B (2) - 12:02	23.7	8.35	2.46	82
Weekly comments	Sunny light SE Breeze				
Name of sample collector	Scott Diamond				
10/05/2021	A (1) - 10:00	20.7	8.32	2.13	97
	C (3) - 10:03	20.7	8.27	2.61	81.3
	D (4) - 10:07	20.5	8.28	2.61	77.6
	B (2) - 10:10	20.5	8.27	0.64	76.6
Weekly comments	Sunny day westerly breeze				
Name of sample collector	Scott Diamond/Garry Day				
19/05/2021	A (1) - 10:01	18.7	8.42	1.84	99.6
	C (3) - 10:11	18.6	8.4	2	96.2
	D (4) - 10:18	18.8	8.34	1.53	84.3
	B (2) - 10:23	18.8	8.18	1.49	79.3
Weekly comments	Sunny day no breeze				
Name of sample collector	Scott Diamond				
26/05/2021	A (1) - 9:23	18.7	7.8	0.8	82.5
	C (3) - 9:43	18.7	7.9	1.7	88.1
	D (4) - 9:54	18.7	7.75	0.9	81.7
	B (2) - 9:58	18.8	7.71	0.6	94.2
Weekly comments	Sunny day slight westerly breeze				
Name of sample collector	Scott Diamond & Stu				
31/05/2021	A (1) - 12:45	16.7	8:18	2.27	95.7
	C (3) - 12.55	17.7	8:15	1.83	113.2
	D (4) - 12:58	17.8	8:16	1.73	0
	B (2) - 12:49	17.5	8:13	1.63	0
Weekly comments	Overcast light SE breeze				
Name of sample collector	Garry Day/ Kristie Wieland				
Monthly Maximums					
Monthly Minimums					

Weekly monitoring testing for duration of EPA licence 20631

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection				
Comments				
Name of inspector				

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

NATA Laboratory testing	Date	Inside Marina location A (1)	Background location C (3) in Bardens Bay	Trigger Values[a]
Total suspended solids (mg/L)				10[b]
Ammonia as N (mg/L)				-
Total Nitrogen as N (mg/L)				0.3
Total Phosphorus as P (mg/L)				0.03
TPH (C6-C36) (µg/L)				-
PAHs (µg/L)				-
Thermotolerant coliforms (cfu/100mL)				-
BTEX (Benzene) (µg/L)				-
BTEX (Toluene) (µg/L)				-
BTEX (Ethylbenzene) (µg/L)				-
BTEX (Total Xylenes) (µg/L)				-
Dissolved metals (Cadmium) (mg/L)				0.0055[d]
Dissolved metals (Cromium) (mg/L)				0.0044[e]
Dissolved metals (Copper) (mg/L)				0.0013
Dissolved metals (Tin) (mg/L)				-
Dissolved metals (Zinc) (mg/L)				0.015[d]
Comments				
Name of sample collector				

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 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