Trinity Point Marina - Water Quality Monitoring

Month: Mar-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
6/03/2024	A (1) - 1200	27.6	8.04	13.65	93.3
	C (3) - 1210	27.8	8.08	4.67	93.3
	D (4) - 1215	28.2	8.1	2.98	99.7
	B (2) - 1218	28.7	8.09	2.51	101
Weekly comments	Weather; Sunny NE breeze, after rain event				
Name of sample collector	S. Diamond				
13/03/2024	A (1) - 1000	28.4	8.07	1.92	89
	C (3) - 1005	29.1	8.07	2	94.7
	D (4) - 1010	29.4	8.09	1.7	93.9
	B (2) - 1015	29.4	8.08	1.97	93.9
Weekly comments	Weather; Sunny NE breeze				
Name of sample collector	S. Diamond				
20/03/2024	A (1) - 1000	26.4	8.11	1.5	89.8
	C (3) - 1005	26.5	8.09	1.85	91.4
	D (4) - 1010	26.5	8.11	1.4	91.5
	B (2) - 1015	26.9	8.07	1.48	85.7
Weekly comments	Weather; Overcast				
Name of sample collector	S. Diamond				
27/03/2024	A (1) - 0930	27.1	8.06	4.1	89
	C (3) - 0940	26.5	8.1	2.92	91.4
	D (4) - 0950	26.2	8.08	2.85	93.3
	B (2) - 0955	26.9	8.07	1.99	101.1
Weekly comments	Weather; Sunny				
Name of sample collector	R. Wilson				
	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	**29.4**	**8.11**	**13.65**	**101.1**
Monthly Minimums	**26.2**	**8.04**	**1.4**	**85.7**

Other	Date	Time	Location E (5)	Location F (6)
Oil and grease visual inspection	27/03/2024	0905	Nil	Nil
Comments	No visible signs			
Name of inspector	R. Wilson			

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

Trinity Point Marina - Water Quality Monitoring

Month: Mar-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)				
Ammonia as N (mg/L)				
Total Nitrogen as N (mg/L)				
Total Phosphorus as P (mg/L)				
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)				
Dissolved metals (Cromium) (mg/L)				
Dissolved metals (Copper) (mg/L)				
Dissolved metals (Tin) (mg/L)				
Dissolved metals (Zinc) (mg/L)				
Comments	Not completed for March - see February testing			
Name of sample collector				

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