**Trinity Point Marina - Water Quality Monitoring**

**Month:** Jun-23

| 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 |
| 14.6.23 | A (1) - 1015 | 17.3 | 8.14 | 2.21 | 99.3 |
| | C (3) - 1020 | 17.3 | 8.11 | 2.73 | 97.7 |
| | D (4) - 1025 | 17.3 | 8.01 | 2.27 | 94.9 |
| | B (2) - 1030 | 17.4 | 8.15 | 2.19 | 93.1 |
| Weekly comments | Weather; sunny with westerly breeze | | | | |
| Name of sample collector | S.Diamond | | | | |
| 21.6.23 | A (1) - 1130 | 16.1 | 8.12 | 1.65 | 93 |
| | C (3) - 1135 | 16.2 | 8.1 | 1.94 | 95.1 |
| | D (4) - 1145 | 16.8 | 8.11 | 2.01 | 94.6 |
| | B (2) - 1150 | 16.7 | 8.17 | 2.37 | 93.1 |
| Weekly comments | Weather; sunny with NE breeze | | | | |
| Name of sample collector | S.Diamond | | | | |
| 27.6.23 | A (1) - 1406 | 15.76 | 8.03 | <1 | 96.5 |
| | C (3) - 1410 | 16.14 | 8.05 | 1.5 | 91.1 |
| | D (4) - 1422 | 16.1 | 8.1 | 2.1 | 92.3 |
| | B (2) - 1418 | 16.15 | 8.08 | 1.7 | 91.6 |
| Weekly comments | Weather; fine | | | | |
| Name of sample collector | RCA representitive - S. King | | | | |
| | A (1) - | | | | |
| | C (3) - | | | | |
| | D (4) - | | | | |
| | B (2) - | | | | |
| Weekly comments | | | | | |
| Name of sample collector | | | | | |
| | A (1) - | | | | |
| | C (3) - | | | | |
| | D (4) - | | | | |
| | B (2) - | | | | |
| Weekly comments | | | | | |
| Name of sample collector | | | | | |
| **Monthly Maximums** | | **17.4** | **8.17** | **2.73** | **97.7** |
| **Monthly Minimums** | | **15.8** | **8.01** | **<1** | **93** |

Weekly monitoring testing for duration of EPA licence 20631

| Other | Date | Time | Location E (5) | Location F (6) |
|---|---|---|---|---|
| Oil and grease visual inspection | 27.6.23 | 1400 | Nil | Nil |
| Comments | No visible signs | | | |
| Name of inspector | RCA representitive - S. King | | | |

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:** Jun-23

| NATA Laboratory testing | Date | Inside Marina location A (1) | Background location C (3) in Bardens Bay | Trigger Values[a] |
|---|---|---|---|---|
| Total suspended solids (mg/L) | 27.6.23 | <5 | <5 | 10b |
| Ammonia as N (mg/L) | 27.6.23 | <0.10 | <0.10 | - |
| Total Nitrogen as N (mg/L) | 27.6.23 | 0.262 | 0.212 | 0.3 |
| Total Phosphorus as P (mg/L) | 27.6.23 | 0.003 | 0.001 | 0.03 |
| TPH (C6-C36) (µg/L) | 27.6.23 | <50 | <50 | - |
| PAHs (µg/L) | 27.6.23 | <1.0 | <1.0 | - |
| Thermotolerant coliforms (cfu/100mL) | 27.6.23 | <1 | <1 | - |
| BTEX (Benzene) (µg/L) | 27.6.23 | <1 | <1 | - |
| BTEX (Toluene) (µg/L) | 27.6.23 | <2 | <2 | - |
| BTEX (Ethylbenzene) (µg/L) | 27.6.23 | <2 | <2 | - |
| BTEX (Total Xylenes) (µg/L) | 27.6.23 | <2 | <2 | - |
| Dissolved metals (Cadmium) (mg/L) | 27.6.23 | <0.0002 | <0.0002 | 0.0055d |
| Dissolved metals (Cromium) (mg/L) | 27.6.23 | <0.0005 | <0.0005 | 0.0044e |
| Dissolved metals (Copper) (mg/L) | 27.6.23 | 0.002 | 0.002 | 0.0013 |
| Dissolved metals (Tin) (mg/L) | 27.6.23 | <0.005 | <0.005 | - |
| Dissolved metals (Zinc) (mg/L) | 27.6.23 | 0.028 | 0.018 | 0.015d |
| | | | | |
| | | | | |
| Comments | RCA ref 14302-752/0 | | | |
| Name of sample collector | S. king | | | |

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 |