

Trinity Point Marina - Water Quality Monitoring



Month: Jun-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 |
| 6/06/2025 | A (1) - 0949 | 16.4 | 8.14 | <1 | 70.2 |
| | C (3) - 0954 | 16.5 | 7.98 | 1.18 | 75.6 |
| | D (4) - 0959 | 16.8 | 8.12 | <1 | 75.2 |
| | B (2) - 1004 | 16.4 | 8.01 | <1 | 90.2 |
| Weekly comments | Weather; sunny with Light breeze | | | | |
| Name of sample collector | M. Hamonet | | | | |

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|--------------------------|--|------|------|------|------|
| 11/06/2025 | A (1) - 1025 | 16.5 | 8.26 | 2.47 | 87.5 |
| | C (3) - 1031 | 16.3 | 8.7 | 1.7 | 90.4 |
| | D (4) - 1036 | 16.4 | 8.19 | 1.57 | 88.7 |
| | B (2) - 1041 | 16.5 | 8.18 | 1.58 | 84 |
| Weekly comments | Weather; Clear skies with moderate cold breeze | | | | |
| Name of sample collector | M. Hamonet | | | | |

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|--------------------------|--------------------------------|------|------|------|------|
| 18/06/2025 | A (1) - 1010 | 16.7 | 8.62 | <1 | 90.5 |
| | C (3) - 1015 | 16.6 | 8.06 | 2.34 | 88.7 |
| | D (4) - 1020 | 17.3 | 7.93 | 1.96 | 87.5 |
| | B (2) - 1025 | 17.3 | 7.84 | <1 | 88.2 |
| Weekly comments | Weather; Clear with light wind | | | | |
| Name of sample collector | M. Hamonet | | | | |

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|--------------------------|---|----|-----|-----|-----------------|
| 26/06/2025 | A (1) - | 16 | 7.8 | 1.2 | 50 ^a |
| | C (3) - | 15 | 7.9 | 1 | 60 ^a |
| | D (4) - | | | | |
| | B (2) - | | | | |
| Weekly comments | Weather; | | | | |
| Name of sample collector | Envirolab representative - L. Schofield | | | | |

| | | | | | |
|--------------------------|---------|--|--|--|--|
| | A (1) - | | | | |
| | C (3) - | | | | |
| | D (4) - | | | | |
| | B (2) - | | | | |
| Weekly comments | | | | | |
| Name of sample collector | | | | | |

| | | | | |
|------------------|------|-----|------|-----------------|
| Monthly Maximums | 17.3 | 8.7 | 2.47 | 90.5 |
| Monthly Minimums | 15.0 | 7.8 | <1 | 50 ^a |

| Other | Date | Time | Location E (5) | Location F (6) |
|----------------------------------|------------------|------|----------------|----------------|
| Oil and grease visual inspection | 26/06/2025 | 1440 | Nil | Nil |
| Comments | No visible signs | | | |
| Name of inspector | K. Wieland | | | |

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| 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 |

Weekly monitoring testing for duration of EPA licence 20631

Monthly

Trinity Point Marina - Water Quality Monitoring



Month:

Jun-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) | 26/06/2025 | 7 | 7 | 10b |
| Ammonia as N (mg/L) | 26/06/2025 | <0.005 | <0.005 | - |
| Total Nitrogen as N (mg/L) | 26/06/2025 | 0.1 | 0.1 | 0.3 |
| Total Phosphorus as P (mg/L) | 26/06/2025 | <0.1 | <0.1 | 0.03 |
| TPH (C6-C36) (µg/L) | 26/06/2025 | <50 | <50 | - |
| PAHs (µg/L) | 26/06/2025 | <0.1 | <0.1 | - |
| Thermotolerant coliforms (cfu/100mL) | 26/06/2025 | 6 | 13 | - |
| BTEX (Benzene) (µg/L) | 26/06/2025 | <1 | <1 | - |
| BTEX (Toluene) (µg/L) | 26/06/2025 | <1 | <1 | - |
| BTEX (Ethylbenzene) (µg/L) | 26/06/2025 | <1 | <1 | - |
| BTEX (Total Xylenes) (µg/L) | 26/06/2025 | <1 | <1 | - |
| Dissolved metals (Cadmium) (mg/L) | 26/06/2025 | <0.2 | <0.2 | 0.0055d |
| Dissolved metals (Cromium) (mg/L) | 26/06/2025 | <2 | <2 | 0.0044e |
| Dissolved metals (Copper) (mg/L) | 26/06/2025 | <2 | <2 | 0.0013 |
| Dissolved metals (Tin) (mg/L) | 26/06/2025 | <2 | <2 | - |
| Dissolved metals (Zinc) (mg/L) | 26/06/2025 | 40 | 51 | 0.015d |
| | | | | |
| | | | | |
| Comments | Envirolab ref 384336 | | | |
| Name of sample collector | Envirolab representative - L. Schofield | | | |

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)

^aValues sourced from table 3.3.2 of ANZECC guidelines (2000) unless otherwise stated; only 95% trigger values are represented

^bSourced from table 4.4.2 of ANZECC guidelines (2000)

^cSpecies for which possible bioaccumulation and secondary poisoning effects should be considered

^dFigure may not protect key test species from chronic toxicity

^eValue given specifically for Cr(IV)

^fAnalyte corresponds tp "Total Phosphorus" referred to in ANZECC guidelines (2000)

^gElevated measurement is unlikely to be related to construction activities

^wrepresents a wet weather monitoring event