

# Trinity Point Marina - Water Quality Monitoring



Month:

Aug-26

| Date<br>(Hand held insitu measurements) | Location and time                    | Temperature (c) | PH      | Turbidity (NTU) | DO (%) - 1m depth |
|-----------------------------------------|--------------------------------------|-----------------|---------|-----------------|-------------------|
| Relevant trigger values <sup>b</sup>    |                                      |                 | 6.5-8.5 | 20              | 80-110            |
| 5/08/2026                               | A (1) - 1048                         | 17.4            | 8.03    | 1.09            | 71.1              |
|                                         | C (3) - 1053                         | 17.4            | 8.12    | <1              | 72.9              |
|                                         | D (4) - 1058                         | 17.5            | 8.14    | <1              | 74.5              |
|                                         | B (2) - 1103                         | 17.5            | 8.09    | <1              | 74.8              |
| Weekly comments                         | Weather; Clear sky with light breeze |                 |         |                 |                   |
| Name of sample collector                | M. Hamonet                           |                 |         |                 |                   |

|                          |                                    |      |      |      |      |
|--------------------------|------------------------------------|------|------|------|------|
| 14/08/2026               | A (1) - 1045                       | 17.6 | 8.01 | 2.03 | 69.6 |
|                          | C (3) - 1049                       | 17.8 | 8.23 | 2.01 | 72.8 |
|                          | D (4) - 1057                       | 18.1 | 8.07 | 1.34 | 71.4 |
|                          | B (2) - 1105                       | 18.5 | 8.02 | 1.46 | 72.3 |
| Weekly comments          | Weather; Clear sky with light wind |      |      |      |      |
| Name of sample collector | H. Kitt                            |      |      |      |      |

|                          |                                          |      |      |      |      |
|--------------------------|------------------------------------------|------|------|------|------|
| 19/08/2026               | A (1) - 1019                             | 18.2 | 7.8  | <1   | 77.6 |
|                          | C (3) - 1024                             | 18.1 | 8.09 | <1   | 78.4 |
|                          | D (4) - 1039                             | 18.8 | 7.94 | 1    | 78.5 |
|                          | B (2) - 1044                             | 18.8 | 8.04 | 1.27 | 74.6 |
| Weekly comments          | Weather; scattered clout with light wind |      |      |      |      |
| Name of sample collector | M. Hamonet                               |      |      |      |      |

|                          |                                        |      |      |      |      |
|--------------------------|----------------------------------------|------|------|------|------|
| 26/08/2026               | A (1) - 1022                           | 18.5 | 7.86 | 1.21 | 78.5 |
|                          | C (3) - 1027                           | 18.5 | 8.03 | <1   | 74.2 |
|                          | D (4) - 1033                           | 19.4 | 8.01 | 1.26 | 73.9 |
|                          | B (2) - 1038                           | 19.3 | 7.97 | 1.35 | 69.8 |
| Weekly comments          | Weather; overcast with moderate breeze |      |      |      |      |
| Name of sample collector | M. Hamonet                             |      |      |      |      |

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

|                  |      |      |      |      |
|------------------|------|------|------|------|
| Monthly Maximums | 19.4 | 8.12 | 2.03 | 78.5 |
| Monthly Minimums | 17.4 | 7.8  | <1   | 69.6 |

| Other                            | Date             | Time | Location E (5) | Location F (6) |
|----------------------------------|------------------|------|----------------|----------------|
| Oil and grease visual inspection | 26/08/2026       | 1100 | Nil            | Nil            |
| Comments                         | No visible signs |      |                |                |
| Name of inspector                | M. Hamonet       |      |                |                |

## Notes

Results shaded in grey exceed relevant trigger values

<sup>a</sup>Results suspected to be erroneous; possibly affected by faulty sensor or poor calibration not identified

<sup>b</sup>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

<sup>c</sup>Reference data typically refers to site specific data collected over long periods that can be used to establish appropriate trigger values for

<sup>w</sup>represents a wet weather monitoring event

Weekly monitoring testing for duration of EPA licence 20631

Monthly

# Trinity Point Marina - Water Quality Monitoring



Month:

Aug-26

| NATA Laboratory testing              | Date                                    | Inside Marina location A (1) | Background location C (3) in Bardens Bay | Trigger Values <sup>a</sup> |
|--------------------------------------|-----------------------------------------|------------------------------|------------------------------------------|-----------------------------|
| Total suspended solids (mg/L)        | 21/08/2026                              | <5                           | <5                                       | 10b                         |
| Ammonia as N (mg/L)                  | 21/08/2026                              | <0.005                       | <0.005                                   | -                           |
| Total Nitrogen as N (mg/L)           | 21/08/2026                              | 0.2                          | 0.2                                      | 0.3                         |
| Total Phosphorus as P (mg/L)         | 21/08/2026                              | <0.1                         | <0.1                                     | 0.03                        |
| TPH (C6-C36) (µg/L)                  | 21/08/2026                              | <50                          | <50                                      | -                           |
| PAHs (µg/L)                          | 21/08/2026                              | <0.1                         | <0.1                                     | -                           |
| Thermotolerant coliforms (cfu/100mL) | 21/08/2026                              | ~1                           | <1                                       | -                           |
| BTEX (Benzene) (µg/L)                | 21/08/2026                              | <1                           | <1                                       | -                           |
| BTEX (Toluene) (µg/L)                | 21/08/2026                              | <1                           | <1                                       | -                           |
| BTEX (Ethylbenzene) (µg/L)           | 21/08/2026                              | <1                           | <1                                       | -                           |
| BTEX (Total Xylenes) (µg/L)          | 21/08/2026                              | <1                           | <1                                       | -                           |
| Dissolved metals (Cadmium) (mg/L)    | 21/08/2026                              | <0.2                         | <0.2                                     | 0.0055d                     |
| Dissolved metals (Cromium) (mg/L)    | 21/08/2026                              | <2                           | <2                                       | 0.0044e                     |
| Dissolved metals (Copper) (mg/L)     | 21/08/2026                              | <2                           | <2                                       | 0.0013                      |
| Dissolved metals (Tin) (mg/L)        | 21/08/2026                              | <2                           | <2                                       | -                           |
| Dissolved metals (Zinc) (mg/L)       | 21/08/2026                              | 9                            | 37                                       | 0.015d                      |
|                                      |                                         |                              |                                          |                             |
|                                      |                                         |                              |                                          |                             |
| Comments                             | Envirolab ref 416032                    |                              |                                          |                             |
| Name of sample collector             | Envirolab representative - L. Schofield |                              |                                          |                             |

10 times per year until March 2024 (2015 CEMP)

|                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>                                                                                                                              |
| 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)                                                           |
| <sup>a</sup> Values sourced from table 3.3.2 of ANZECC guidelines (2000) unless otherwise stated; only 95% trigger values are represented |
| <sup>b</sup> Sourced from table 4.4.2 of ANZECC guidelines (2000)                                                                         |
| <sup>c</sup> Species for which possible bioaccumulation and secondary poisoning effects should be considered                              |
| <sup>d</sup> Figure may not protect key test species from chronic toxicity                                                                |
| <sup>e</sup> Value given specifically for Cr(IV)                                                                                          |
| <sup>f</sup> Analyte corresponds tp "Total Phosphorus" referred to in ANZECC guidelines (2000)                                            |
| <sup>g</sup> Elevated measurement is unlikely to be related to construction activities                                                    |
| <sup>w</sup> represents a wet weather monitoring event                                                                                    |