

Boonoo Boonoo Monitoring Point 4

| Analyte                   | Unit   | PQL   |  | 13/12/2019         | 1/04/2020          | 26/06/2020         | 1/04/2021            | 21/09/2021           | 15/12/2021           | 7/03/2022                | 30/05/2022           | 20/09/2022           | 7/12/2022      | 31/03/2023     | 30/06/2023     | 4/09/2023    | 11/12/2023   | 4/03/2024    | 24/06/2024 | 9/09/2024 | 3/03/2025  | 29/05/2025 | Min Since | Mean Since | Max Since |
|---------------------------|--------|-------|--|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|--------------------------|----------------------|----------------------|----------------|----------------|----------------|--------------|--------------|--------------|------------|-----------|------------|------------|-----------|------------|-----------|
|                           |        |       |  | Sample No. 19/2129 | Sample No. 20/0583 | Sample No. 20/0991 | Sample No. 21/0474-4 | Sample No. 21/1276-4 | Sample No. 21/1866-4 | Sample No. ES2208639-002 | Sample No. 22/0688-5 | Sample No. 22/1156-1 | Sample No. 3/4 | Sample No. 3/4 | Sample No. 3/4 | Sample No. 2 | Sample No. 5 | Sample No. 2 |            |           |            |            |           |            |           |
| Water Level#              | m      | 0.1   |  |                    | 1.3                | NA                 |                      |                      |                      |                          | NA                   | NT                   |                |                |                | N/A          | N/A          | N/A          | 8.1        |           | N/A        |            |           |            |           |
| Temperature - field       | Deg. C | 0.1   |  | 22.8               | 19.6               |                    | 20.9                 | 11.7                 | 20.5                 |                          | 10.5                 | 17.2                 |                | 25.1           | NT             | 13.3         | 19           | 21.8         | 13.6       |           | 15.4       |            | 13.3      | 16.620     | 21.8      |
| Dissolved Oxygen          | mg/L   | 0.2   |  | 2.2                | 7.7                | 2.7                | 7.2                  | 8.6                  | 4.8                  | 6.2                      | NT                   | 3                    | 2.7            | 7.8            | 3.4            | 8.2          | 7.8          | 1.6          | 0.26       | 0.21      | 5.23       | <1         | 0.21      | 3.614      | 8.2       |
| Alkalinity (as CaCO3)     | mg/L   | 20    |  | 930                | <20                | 925                | 641                  | <20                  | 553                  | 511                      | 660                  | 620                  | 680            | 520            | 570            | 520          | 17           | 820          | 1.008      | 852       | 510        | 535        | 1.008     | 442.002    | 852       |
| Aluminium (Dissolved)     | mg/L   | 0.005 |  | 0.18               | 0.005              | 0.23               | 0.1                  | 0.12                 | 0.16                 | 0.13                     | 0                    | 0.1                  | 0.034          | 0.003          | 0.094          |              | 0.26         | 0.15         | 0.233      | 0.167     | 1.15       | 0.119      | 0.15      | 0.203      | 0.26      |
| Ammonia-N                 | mg/L   | 0.01  |  | 14                 | 0.07               | 38                 | 32                   | 27                   | 34                   | 30.4                     | 60                   | 40                   | 28             | 2.2            | 18             | 5.8          | 49           | 32           | 81         | 48.5      |            | 23.7       | 5.8       | 43.260     | 81        |
| Arsenic (Dissolved)       | mg/L   | 0.005 |  | <0.005             | <0.005             | 0.015              | 0.006                | 0.012                | 0.008                | 0.007                    | 0.0085               | 0.0081               | 0.0054         | 0.0054         | 0.0045         |              | <0.02        | <0.02        | 0.01       | 0.009     | 0.008      | 0.006      | 0.009     | 0.010      | 0.01      |
| Cadmium (Dissolved)       | mg/L   | 0.005 |  | <0.005             | <0.005             | <0.005             | <0.005               | <0.005               | <0.005               | <0.0001                  | <0.005               | 53                   | 0.000099       | <0.005         | 0.00061        |              | <0.002       | <0.002       | <0.01      | <0.001    |            |            | 0         | #DIV/0!    | 0         |
| Calcium                   | mg/L   | 0.1   |  | 32.4               | 1.1                | 38.2               | 30.8                 | 37.7                 | 42.2                 | 39                       | 45                   | 53                   | 59             | 36             | 42             | 24           | 47           | 42           | 56.8       | 54.5      | 28.1       | 45.6       | 24        | 44.860     | 56.8      |
| Chloride                  | mg/L   | 2     |  | 688                | 9                  | 568                | 409                  | 472                  | 307                  | 288                      | 250                  | 270                  | 290            | 320            | 290            | 400          | 470          | 440          | 378        | 867       | 369        | 256        | 378       | 511.000    | 867       |
| Chromium (Total)          | mg/L   | 0.005 |  | 0.036              | <0.005             | 0.105              | 0.054                | 0.08                 | 0.055                | 0.056                    | 0.044                | 0.017                | 0.0039         | 0.0021         | 0.024          |              | 0.088        | 0.067        | 0.096      | 0.053     | <0.05      | <0.05      | 0.053     | 0.076      | 0.096     |
| Cobalt (Dissolved)        | mg/L   | 0.005 |  | <0.005             | <0.005             | 0.006              | <0.005               | <0.005               | <0.005               | 0.004                    | 0.0003               | 0.004                | 0.0034         | 0.0027         | 0.003          |              | <0.05        | <0.05        | <0.05      | <0.05     |            |            | 0         | #DIV/0!    | 0         |
| Electrical Conductivity   | µS/cm  | 1     |  | 4210               | 60                 | 3420               | 2590                 | 2.79                 | 2110                 | 1870                     | 2100                 | 2000                 | 2000           | 2000           | 1900           | 2000         | 3000         | 2600         | 7.89       | 2520      | 1.83       | 1.7        | 7.89      | 2025.578   | 3000      |
| Copper (Dissolved)        | mg/L   | 0.005 |  | <0.005             | <0.005             | <0.005             | <0.005               | <0.005               | <0.005               | <0.001                   | <0.0005              | 0.001                | 0.00069        | 0.0086         | <0.0005        |              | <0.004       | <0.004       | 0.001      | 0.002     |            | <0.001     | 0.001     | 0.002      | 0.002     |
| Iron (Total)              | mg/L   | 0.005 |  | 0.32               | 2.2                | 0.5                | 1.7                  | 0.67                 | 1                    | 0.73                     | 1.1                  | 1.3                  | 1.7            | 0.031          | 0.038          |              | 1.1          | 0.97         | 0.697      | 0.841     | 0.969      | 0.858      | 0.697     | 0.902      | 1.1       |
| Lead (Dissolved)          | mg/L   | 0.005 |  | <0.005             | <0.005             | <0.005             | <0.005               | <0.005               | <0.005               | 0.002                    | 0.0001               | 0.002                | 0.0018         | 0.00072        | 0.0011         |              | <0.01        | <0.01        | 0.003      | 0.003     |            | 0.002      | 0.003     | 0.003      | 0.003     |
| Magnesium                 | mg/L   | 0.1   |  | 27.3               | 0.09               | 22.8               | 17.1                 | 17.4                 | 15.6                 | 16                       | 16                   | 18                   | 20             | 0.0019         | 20             | 22           | 27           | 23           | 24.7       | 23.5      | 18.8       | 17.9       | 22        | 24.040     | 27        |
| Manganese (Total)         | mg/L   | 0.005 |  | 0.043              | 0.036              | 0.12               | 0.088                | 0.12                 | 0.27                 | 0.245                    | 0.33                 | 0.29                 | 0.037          | 0.0032         | 0.072          |              | 0.26         | 0.32         | 0.383      | 0.292     | 0.071      | 0.336      | 0.26      | 0.314      | 0.383     |
| Mercury*                  | ug/L   | 0.05  |  |                    | <0.05              | <0.05              | <0.05                | <0.05                | <0.05                | <0.0001                  | <0.05                | <0.05                | <0.05          | <0.05          | <0.05          | <0.05        | <0.05        | <0.05        | <.05       | <0.05     | <0.0005    | <0.0005    | 0         | #DIV/0!    | 0         |
| Nickel (Dissolved)        | mg/L   | 0.005 |  | 0.029              | <0.005             | 0.029              | 0.018                | 0.022                | 0.017                | 0.015                    | 0.015                | 0.016                | 0.0012         | 0.0015         | 0.012          |              | <0.007       | 0.018        | 0.026      | 0.026     | 0.026      | 0.019      | 0.018     | 0.023      | 0.026     |
| Nitrogen - Nitrate-N      | mg/L   | 0.05  |  | <0.05              | <0.05              | <0.05              | <0.05                | 0.6                  | <0.05                | 0.04                     | <0.02                | 0.066                | <0.02          | 0.093          | <0.02          | 0.072        | 0.04         | <0.02        | <0.05      | <0.05     | <0.005     | <0.005     | 0.04      | 0.056      | 0.072     |
| Nitrogen - Nitrite-N      | mg/L   | 0.01  |  | 0.07               | <0.01              | 0.01               | 0.02                 | 0.76                 | <0.01                | 0.04                     | 0.03                 | 0.08                 | 0.018          | 0.35           | <0.01          | 0.82         | 0.053        | 0.024        | 0.083      | 0.06      | 0.033      | 0.021      | 0.021     | 0.156      | 0.82      |
| Nitrogen - Total Kjeldahl | mg/L   | 0.1   |  | 44                 | 0.3                | 55.8               | 54.4                 | 106                  | 6.1                  | 45.6                     |                      |                      |                |                |                |              | 70           |              | 102        | 61.3      | 24.4       | 37.8       | 24.4      | 59.100     | 102       |
| pH                        | pH     | 0.1   |  | 8.5                | 5.7                | 8.1                | 8.2                  | 8.3                  | 8.2                  | 8.07                     | 7.9                  | 8.2                  | 8              | 8.6            | 8.2            | 9.1          | 8.1          | 7.5          | 7.89       | 8.56      | 8.55       | 7.65       | 7.5       | 8.230      | 9.1       |
| Potassium                 | mg/L   | 0.1   |  | 371                | 2                  | 349                | 238                  | 228                  | 160                  | 143                      | 130                  | 140                  | 150            | 140            | 190            | 190          | 250          | 200          | 225        | 214       | 167        | 141        | 190       | 215.800    | 250       |
| Redox Potential#          | mV     | -500  |  |                    | 298                | 164                | 281                  | 192                  | 178                  | 175                      | 54                   | NT                   | 204            | 199            | 190            | 153          | 101          | -250         | 221        | 247       | 247        | 293        | -250      | 94.400     | 247       |
| Sodium                    | mg/L   | 0.15  |  | 598                | 8.8                | 574                | 393                  | 386                  | 262                  | 235                      | 210                  | 230                  | 290            | 260            | 260            | 300          | 390          | 310          | 363        | 356       | 294        | 236        | 300       | 343.800    | 390       |
| Sulphate#                 | mg/L   | 2     |  | 111                | 4.6                | 19.3               | 37.1                 | 3.6                  | 31.6                 | 17                       | 11                   | 5                    | 13             | 16             | 12             | 16           | 22           | 49           | 34.7       | 47.5      | 59.5       | 39.1       | 16        | 33.840     | 49        |
| Total Organic Carbon*     | mg/L   | 1     |  | 180                | 1                  | 190                | 130                  | 100                  | 100                  | 108                      | 1                    | 71                   | 130            | 78             | 110            | 140          | 200          | 350          | 168        | 143       | 119        | 97.9       | 140       | 200.200    | 350       |
| Zinc (Total)              | mg/L   | 0.005 |  | 0.013              | 0.12               | 0.02               | 0.018                | 0.018                | 0.037                | 0.018                    | 0.013                | 0.01                 | 0.0013         | 0.0069         | 0.0063         |              | 0.021        | 0.067        | 0.061      | 0.059     | 0.084      | <0.05      | 0.021     | 0.052      | 0.067     |
| PAHs in water*            | µg/L   | 1     |  |                    | ND                 | ND                 | ND                   | ND                   | ND                   | ND                       | ND                   | ND                   | ND             | ND             | ND             | ND           | <0.1         | <0.1         | <.01       | <0.1      | <1         | <1         | 0         | #DIV/0!    | 0         |
| TRH C10-C14*              | µg/L   | 50    |  |                    | ND                 | 160                | 430                  | 820                  | ND                   | 80                       | 480                  | 410                  | <50            | <50            | <50            | <50          |              |              |            |           |            |            | 0         | #DIV/0!    | 0         |
| TRH C15-C28*              | µg/L   | 100   |  |                    | ND                 | 390                | N/A                  | N/A                  |                      | 270                      |                      |                      |                |                |                |              |              |              |            |           |            |            | 0         | #DIV/0!    | 0         |
| TRH C29-C36*              | µg/L   | 100   |  |                    | ND                 | <100               | N/A                  | N/A                  |                      | <50                      |                      |                      |                |                |                |              |              |              |            |           |            |            | 0         | #DIV/0!    | 0         |
| TRH C10-C36*              | µg/L   | 100   |  |                    | ND                 |                    | N/A                  | N/A                  |                      | 350                      |                      |                      |                |                |                |              |              |              |            |           |            |            | 0         | #DIV/0!    | 0         |
| Suspended Solids          | mg/L   | 1     |  |                    |                    |                    |                      |                      | N/A                  | 35                       | 4                    | 11                   | 210            | 34             | 42             | 78           | 57           | 360          | 65         | 61        | 19         | 37         | 57        | 124.200    | 360       |
|                           |        |       |  |                    |                    |                    |                      |                      |                      |                          |                      |                      |                |                |                |              |              |              |            |           |            |            | 0         | #DIV/0!    | 0         |
| Alkalinity - Hydroxide    | mg/L   | 0     |  |                    |                    |                    |                      |                      |                      | <1                       |                      |                      |                |                |                |              |              |              |            |           |            | 535        | 0         | #DIV/0!    | 0         |
| Chromium (VI)             | mg/L   | 0.05  |  |                    |                    |                    |                      |                      |                      |                          |                      |                      |                |                |                |              |              |              |            |           |            | <0.05      | 0         | #DIV/0!    | 0         |
| Mercury (Dissolved)*      | µg/L   | 0.05  |  |                    |                    | <0.05              |                      |                      |                      |                          |                      |                      |                |                |                |              |              |              |            |           |            | <0.0005    | 0         | #DIV/0!    | 0         |
| OC/OP in Water*           | ug/L   | 0.2   |  | <0.2               | <0.2               | <0.2               | <0.2                 | <0.2                 | <0.2                 | ND                       | ND                   | ND                   | ND             | ND             | ND             | ND           | <0.2         | <0.2         | <.2        | <0.2      |            | <1         | 0         | #DIV/0!    | 0         |
| Date Obtained             |        |       |  | 13/12/2019         | 1/04/2020          | 26/06/2020         | 1/04/2021            | 7/09/2021            | 13/12/2021           | 7/03/2022                | 30/05/2022           | 20/09/2022           | 7/12/2022      | 22/03/2023     | 6/06/2023      | 4/09/2023    | 11/12/2023   | 4/03/2024    | 24/06/2024 |           | 10/03/2025 |            |           |            |           |
| Date Published            |        |       |  | 8/01/2020          | 14/04/2020         | 10/07/2020         | 15/04/2021           | 21/09/2021           | 4/01/2022            | 18/03/2022               | 21/06/2022           | 4/10/2022            | 21/12/2022     | 31/03/2023     | 30/06/2023     | 26/09/2023   | 22/12/2023   | 8/04/2024    |            |           | 24/03/2025 |            |           |            |           |