

Boonoo Boonoo Discharge Point 5

| Analyte | Unit | PQL | Data Sampled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Min Since 25/07/2014 | Mean Since 25/07/2014 | Max Since 25/07/2014 | | | | |
|------------------------------------|--------|--------|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|------------|----------|------------|------------|------------|------------|-----------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-------------------------|--------------------------|-------------------------|------------|-----------|-------|--------|
| | | | 25/07/2014 | 9/9/2014 | 4/12/2014 | 10/3/2015 | 23/6/2015 | 15/7/2015 | 8/12/2015 | 15/3/2016 | 21/6/2016 | 8/11/2016 | 28/2/2017 | 8/4/2017 | 7/6/2017 | 13/12/2017 | 3/1/2018 | 15/06/2018 | 28/09/2018 | 19/04/2019 | 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 | | |
| Water Level# | m | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| Temperature - field | Deg. C | 0.1 | 10 | 12 | 0 | 18 | 11.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 1.39 | 22.20 | | |
| Dissolved Oxygen | mg/l | 0.2 | 4.23 | 6.31 | 0 | 6.9 | 7.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.11 | 1.80 | | | |
| Alkalinity (as CaCO ₃) | mg/l | 20 | 27 | 33 | 0 | 30 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 32.00 | 113.00 | | |
| Aluminum (Dissolved) | mg/l | 0.005 | 0.18 | 0.107 | 0 | 0.29 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.01 | 0.21 | | | |
| Ammonia-N | mg/l | 0.001 | 0.12 | 0.05 | 0 | 0.17 | 0.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 2.44 | 39.00 | | |
| Arsenic (Dissolved) | mg/l | -0.005 | 0.011 | 0.011 | 0 | 0.007 | 0.008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.01 | 0.01 | | | |
| Calcium (Dissolved) | mg/l | 0.005 | <0.005 | <0.005 | 0 | <0.005 | 0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | | |
| Calcium | mg/l | 0.1 | 27 | 7.4 | 0 | 4.8 | 4.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 5.31 | 84.00 | | |
| Chloride | mg/l | 2 | 38.05 | 34.77 | 0 | 28 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 21.38 | 374.00 |
| Chromium (Total) | mg/l | 0.005 | 0.073 | <0.005 | 0 | <0.005 | <0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| Cobalt (Dissolved) | mg/l | 0.005 | <0.005 | <0.005 | 0 | <0.005 | <0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| Electrical Conductivity | µS/cm | 1 | 180 | 0 | 137 | 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2550 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 153.38 | 2550.00 | | |
| Copper (Dissolved) | mg/l | -0.005 | <0.005 | <0.005 | 0 | <0.005 | <0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| Iron (Total) | mg/l | 0.005 | 29.25 | 1.882 | 0 | 1.74 | 6.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.05 | 0.79 | | | |
| Lead (Dissolved) | mg/l | 0.005 | <0.005 | 0.005 | 0 | <0.005 | <0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.01 | | | |
| Magnesium | mg/l | 0.1 | 17 | 3.2 | 0 | 2.2 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 1.46 | 23.40 | | | |
| Manganese (Total) | mg/l | 0.005 | 0.716 | 0.180 | 0 | 0.12 | 0.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.01 | 0.20 | | | |
| Mercury* | ug/l | 0.05 | <0.05 | <0.05 | 0 | <0.05 | <0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | | |
| Nickel (Dissolved) | mg/l | 0.005 | <0.005 | <0.005 | 0 | <0.005 | <0.005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.01 | | | | |
| Nitrogen - Nitrate-N | mg/l | 0.00 | 0.24 | <0.05 | 0 | 0.08 | <0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | | |

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|---------------------------|------|------------|--------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|-------------------------|--------------------------|-------------------------|------------|-----------|------------|-----------|--------|
| | | | 25/07/2014 | 9/9/2014 | 4/12/2014 | 10/3/2015 | 23/6/2015 | 15/7/2015 | 8/12/2015 | 15/3/2016 | 21/6/2016 | 8/11/2016 | 12/7/2016 | 28/2/2017 | 8/6/2017 | 7/8/2017 | 13/12/2017 | 3/1/2018 | 15/06/2018 | 28/09/2018 | 19/04/2019 | 13/12/2019 | 1/04/2020 | 26/06/2020 | 1/04/2021 | 21/09/2021 | 15/12/2021 | 7/03/2022 | 30/03/2022 | 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 | |
| Nitrogen - Nitrite-N | mg/l | 0.01 | 0.11 | -0.02 | 0 | -0.01 | -0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | | | |
| Nitrogen - Total Kjeldahl | mg/l | 0.1 | unreliable* | 0.3 | 0 | 0.4 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 5.10 | 81.60 | | | |
| pH | pH | 0.1 | 5.61 | 5.7 | 0 | 5.9 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.90 | 7.90 | | |
| Potassium | mg/l | 0.1 | 18.3 | 2.9 | 0 | 3 | 2.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.75 | 188.00 | | |
| Redox Potential | mV | <500 | 180.2 | 349 | 0 | 180 | 410 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.63 | 314.00 | | |
| Sodium | mg/l | 0.15 | 21.8 | 20.3 | 0 | 20 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.44 | 253.00 | |
| Sulphate | mg/l | 2 | 2.25 | 2.62 | 0 | >2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 175.00 | |
| Total Organic Carbon* | mg/l | 1 | 5 | 3 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.88 | 110.00 | |
| Zinc [Total] | mg/l | 0.005 | 0.166 | 0.035 | 0 | 0.023 | 0.023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.01 | 0.01 | | |
| Palic in water* | ug/l | 1 | (86) | <5 | 0 | 0 | ND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| TBHQ-C10-C14* | ug/l | 50 | <50 | <50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.75 | 540.00 |
| TBHQ-C15-C24* | ug/l | 100 | <100 | <100 | 0 | <100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| TBHQ-C25-C40* | ug/l | 100 | <100 | <100 | 0 | <100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| Alkalinity - Hydroxide | mg/l | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| Chromium (VI) | mg/l | 0.05 | <0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| Mercury (Dissolved)* | ug/l | 0.05 | <0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| OCDF in Water* | ug/l | 0.2 | 0.2 | 0 | 0 | <0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| Date Obtained | | 28/07/2014 | 10/09/2014 | 4/12/2014 | 30/03/2015 | 6/07/2015 | 28/08/2015 | 8/12/2015 | 15/03/2016 | 21/06/2016 | 8/11/2016 | 12/05/2016 | 28/03/2017 | 8/06/2017 | 7/08/2017 | 13/12/2017 | 3/04/2018 | 15/06/2018 | 28/09/2018 | 19/04/2019 | 13/12/2019 | 1/04/2020 | 26/06/2020 | 1/04/2021 | 7/09/2021 | 13/12/2021 | 30/05/2022 | 20/09/2022 | 20/03/2023 | 9/06/2023 | 4/09/2023 | 11/12/2023 | 4/03/2024 | 24/06/2024 | | | | | |
| Date Published | | 23/09/2014 | 6/03/2015 | 7/04/2015 | 8/08/2015 | 29/09/2015 | 21/10/2015 | 31/03/2016 | 5/07/2016 | 21/11/2016 | 20/12/2016 | 11/04/2017 | 26/06/2017 | 29/09/2017 | 22/12/2017 | 12/04/2018 | 29/06/2018 | 16/10/2018 | 10/07/2019 | 8/01/2020 | 14/04/2020 | 10/07/2020 | 15/04/2021 | 21/09/2021 | 4/01/2022 | 21/06/2022 | 4/10/2022 | 31/03/2023 | 30/06/2023 | 26/09/2023 | 22/12/2023 | 8/04/2024 | | | | | | | |