**Oberon Council**
**Oberon Waste Facility**
**Lowes Mount Road, Oberon NSW**
**EPL 20289**
**Waste Disposal (application to land)**

Sampling Point 1 (SW1)

| Sampling Frequency (during discharge) | | | Monthly | Monthly | Monthly | Monthly |
|---|---|---|---|---|---|---|
| Discharge Limit | | | 6.0 - 9.0 | | 50 | 10 |
| **Date Sampled** | **Date Obtained** | **Date Published** | **pH (pH units)** | **Electrical Conductivity (µS/cm)** | **Total Suspended Solids (mg/L)** | **Oil and Grease (mg/L)** |
| Nil Discharge | | | | | | |
| 15-Apr-14 | 2-Jun-14 | | 7.41 | 304 | 69 | <5 |
| 13-May-14 | 10-Jun-14 | | 7.58 | 302 | 25 | <5 |
| 4-Jun-14 | 4-Aug-14 | | 7.45 | 273 | 10 | <5 |
| 22-Jul-14 | 4-Aug-14 | | 7.58 | 172 | 7 | <5 |
| 10-Sep-14 | 24-Sep-14 | | 7.58 | 143 | 11 | <5 |
| 22-Dec-14 | 21-Jan-15 | | 7.67 | 167 | 8 | <5 |
| 6-May-15 | 28-May-15 | | 11.7 | 8.4 | | |
| 23-Jun-15 | 8-Jul-15 | | 7.08 | 112 | 15 | 7 |
| 16-Jul-15 | 7-Aug-15 | | 7.08 | 107 | 70 | 10 |
| 5-Aug-15 | 25-Sep-15 | | 7.32 | 126 | 15 | < 5 |
| 10-Sep-15 | 29-Sep-15 | | 8.13 | 601 | 85 | < 5 |
| 23-Nov-15 | 17-Dec-15 | | 7.62 | 184 | 12 | < 5 |
| 23-Dec-15 | 15-Jan-16 | | No Discharge | | | |
| 15-Jan-16 | 3-Feb-16 | | No Discharge | | | |
| 3-Feb-16 | 11-Mar-16 | | No Discharge | | | |
| 11-Mar-16 | 22-Apr-16 | | No Discharge | | | |
| 22-Apr-16 | 19-May-16 | | No Discharge | | | |
| 19-May-16 | 28-Jun-16 | | No Discharge | | | |
| 4-Jul-16 | 21-Sep-16 | | No Discharge | | | |
| 11-Jul-16 | 21-Sep-16 | | 7.14 | 75 | 8 | < 5 |
| 17-Aug-16 | 21-Sep-16 | | No Discharge | | | |
| 5-Sep-16 | 21-Sep-16 | | 7.57 | 478 | 60 | < 5 |
| 10-Oct-16 | 2-Dec-16 | | 7.94 | 643 | 10 | < 5 |
| 7-Nov-16 | 2-Dec-16 | | 7.77 | 733 | 15 | < 5 |
| 15-Dec-16 | 22-Dec-16 | | No Discharge | | | |
| 11-Jan-17 | 31-Jan-17 | | No Discharge | | | |
| 7-Feb-17 | 28-Feb-17 | | No Discharge | | | |
| 9-Mar-17 | 28-Mar-17 | | No Discharge | | | |
| 11-Apr-17 | 28-Apr-17 | | No Discharge | | | |
| 17-May-17 | 8-Jun-17 | | No Discharge | | | |
| 17-Jun-17 | 17-Jun-17 | | No Discharge | | | |
| 11-Jul-17 | 11-Jul-17 | | No Discharge | | | |
| 22-Aug-17 | 22-Aug-17 | | No Discharge | | | |
| 7-Sep-17 | 7-Sep-17 | | No Discharge | | | |
| 5-Oct-17 | 5-Oct-17 | | No Discharge | | | |
| 13-Nov-17 | 13-Nov-17 | | No Discharge | | | |
| 4-Dec-17 | 4-Dec-17 | | 6.9 | 400 | 46 | 10 |
| 15-Jan-18 | 15-Jan-18 | | 7.1 | 630 | 41 | < 10 |
| 16-Feb-18 | 16-Feb-18 | | No Discharge | | | |
| 23-Mar-18 | 23-Mar-18 | | No Discharge | | | |
| 27-Apr-18 | 27-Apr-18 | | No Discharge | | | |
| 28-May-18 | 28-May-18 | | No Discharge | | | |
| 18-Jun-18 | 18-Jun-18 | | No Discharge | | | |
| 18-Jul-18 | 18-Jul-18 | | No Discharge | | | |
| 17-Aug-18 | 17-Aug-18 | | No Discharge | | | |
| 6-Sep-18 | 6-Sep-18 | | No Discharge | | | |
| 29-Oct-18 | 29-Oct-18 | | No Discharge | | | |
| 14-Nov-18 | 21-Jan-19 | | 7.1 | 490 | 27 | 21 |
| 18-Dec-18 | 21-Jan-19 | | 7.2 | 310 | 150 | < 10 |
| 30-Jan-19 | 24-Apr-19 | | No Discharge | | | |
| 19-Feb-19 | 24-Apr-19 | | No Discharge | | | |
| 28-Mar-19 | 24-Apr-19 | | 7.1 | 140 | 17 | < 10 |
| 1-May-19 | 23-Jul-19 | | No Discharge | | | |
| 6-Jun-19 | 29-Jan-20 | | No Discharge | | | |
| 10-Jul-19 | 29-Jan-20 | | No Discharge | | | |
| 19-Aug-19 | 29-Jan-20 | | No Discharge | | | |
| 2-Sep-19 | 29-Jan-20 | | No Discharge | | | |
| 9-Oct-19 | 29-Jan-20 | | No Discharge | | | |
| 11-Nov-19 | 29-Jan-20 | | No Discharge | | | |
| 8-Dec-19 | 29-Jan-20 | | No Discharge | | | |
| 7-Jan-20 | 29-Jan-20 | | No Discharge | | | |
| 3-Feb-20 | 24-Jul-20 | | No Discharge | | | |
| 11-Mar-20 | 24-Jul-20 | | No Discharge | | | |
| 24-Apr-20 | 24-Jul-20 | | No Discharge | | | |
| 18-May-20 | 24-Jul-20 | | No Discharge | | | |
| 30-Jun-20 | 24-Jul-20 | | No Discharge | | | |
| 7-Jul-20 | 24-Jul-20 | | 7.4 | 110 | 18 | < 5 |
| 28-Aug-20 | 16-Oct-20 | | 7.1 | 93 | 22 | < 5 |
| 2-Sep-20 | 16-Oct-20 | | 7.4 | 220 | 37 | < 5 |
| 27-Oct-20 | 25-Nov-20 | | 6.9 | 160 | 19 | < 5 |
| 27-Nov-20 | 21-Jan-21 | | No Discharge | | | |
| 9-Dec-20 | 21-Jan-21 | | No Discharge | | | |
| 13-Jan-21 | 3-Jun-21 | | No Discharge | | | |
| 16-Feb-21 | 3-Jun-21 | | No Discharge | | | |
| 23-Mar-21 | 3-Jun-21 | | 6.6 | 170 | 31 | <5 |
| 1-Apr-21 | 3-Jun-21 | | No Discharge | | | |
| 3-May-21 | 3-Jun-21 | | No Discharge | | | |
| 24-Jun-21 | 13-Jul-21 | | 6.8 | 410 | 66 | <5 |
| 5-Jul-21 | 21-Dec-21 | | No Discharge | | | |
| 5-Aug-21 | 21-Dec-21 | | No Discharge | | | |
| 6-Sep-21 | 21-Dec-21 | | No Discharge | | | |
| 12-Oct-21 | 21-Dec-21 | | No Discharge | | | |
| 4-Nov-21 | 21-Dec-21 | | 6.7 | 580 | 150 | < 5 |
| 14-Dec-21 | 21-Dec-21 | | No Discharge | | | |
| 18-Jan-22 | 9-Jun-22 | | 7.1 | 820 | 14 | < 5 |
| 1-Feb-22 | 9-Jun-22 | | 6.9 | 850 | 200 | < 5 |
| 1-Mar-22 | 9-Jun-22 | | No Discharge | | | |
| 7-Apr-22 | 9-Jun-22 | | No Discharge | | | |
| 17-May-22 | 9-Jun-22 | | No Discharge | | | |

Sampling Point 2 (Groundwater BH1S)

| Sampling Frequency (where liquid is present) | | | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date Sampled** | **Date Obtained** | **Date Published** | **pH (pH units)** | **Electrical Conductivity (µS/cm)** | **Total Dissolved Solids (mg/L)** | **Total Alkalinity as CaCO3 (mg/L)** | **Sulfate (mg/L)** | **Chloride (mg/L)** | **Calcium (mg/L)** | **Magnesium (mg/L)** | **Sodium (mg/L)** | **Potassium (mg/L)** | **Aluminum (mg/L)** | **Arsenic (mg/L)** | **Barium (mg/L)** | **Cadmium (mg/L)** | **Chromium (mg/L)** | **Copper (mg/L)** | **Cobalt (mg/L)** | **Nickel (mg/L)** | **Lead (mg/L)** | **Zinc (mg/L)** | **Manganese (mg/L)** | **Iron (mg/L)** | **Mercury (mg/L)** | **Fluoride (mg/L)** | **Ammonia as N (mg/N/L)** | **Nitrite as N (mg/N/L)** | **Nitrate as N (mg/N/L)** | **Total Phosphorus (mg/L)** | **Total Organic Carbon (mg/L)** | **Organochlorine Pesticides (mg/L)** | **Organophosphorus Pesticides (mg/L)** | **Phenolic Compounds (mg/L)** | **Polynuclear Aromatic Hydrocarbons (mg/L)** | **BTEX (mg/L)** | **Total Petroleum Hydrocarbons (mg/L)** | **Standing Water Level (mAHD)** |
| 19-Nov-13 | 11-Dec-13 | | 7.12 | 141 | 92 | 32 | 22 | 5 | 9 | <1 | 20 | <1 | 0.92 | <0.001 | 0.038 | <0.0001 | 0.002 | 0.004 | <0.001 | 0.00 | 0.00 | 0.04 | 0.01 | 0.25 | <0.0001 | <0.1 | 0.02 | <0.01 | 1.62 | 0.64 | 4.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1110.46 |
| 13-May-14 | 10-Jun-14 | | 6.35 | 122 | 79 | 22 | 19 | 5 | <1 | <1 | 24 | <1 | | | | | | | | | | | | | | <0.1 | <0.01 | <0.01 | 1.51 | 0.16 | 2.0 | | | | | | | 1110.07 |
| 5-Nov-14 | 4-Dec-14 | | 6.25 | 95 | 62 | 11 | 18 | 6 | <1 | <1 | 20 | <1 | <0.01 | <0.001 | 0.007 | <0.0001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | 0.01 | 0.00 | <0.05 | <0.0001 | 0.20 | <0.01 | <0.01 | 1.55 | 0.08 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1110.88 |
| 6-May-15 | 28-May-15 | | 6.27 | 92 | 60 | 11 | 15 | 5 | <1 | <1 | 23 | <1 | - | - | - | - | - | - | - | - | - | - | - | - | - | <0.1 | 0.03 | <0.01 | 1.75 | 0.16 | 2.0 | - | - | - | - | - | - | 1112.2 |
| 23-Nov-15 | 17-Dec-15 | | 6.25 | 90 | 58 | 12 | 13 | 5 | <1 | <1 | 16 | <1 | < 0.01 | < 0.001 | 0.005 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.005 | 0.00 | < 0.05 | < 0.0001 | < 0.1 | 0.03 | < 0.01 | 1.44 | 0.16 | 6.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1112.05 |
| 19-May-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1109.45 |
| 5-Sep-16 | 21-Sep-16 | | 6.38 | 113 | 73 | 29 | 12 | 6 | 3 | < 1 | 21 | < 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | < 0.1 | < 0.01 | < 0.01 | 1.43 | 0.22 | 2.0 | - | - | - | - | - | - | 1113.41 |
| 7-Nov-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1112.73 |
| 17-May-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1109.5 |
| 13-Nov-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1109.37 |
| 28-May-18 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1109.37 |
| 14-Nov-18 | 21-Jan-19 | | 6.5 | 190 | 110 | 34 | 1.7 | 34 | 14 | 3.1 | 10 | 7.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | < 0.005 | 0.05 | 0.28 | 5.5 | - | - | - | - | - | - | 1110.93 |
| 1-May-19 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 11-Nov-19 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 7-Jul-20 | 24-Jul-20 | | 6.2 | 170 | 95 | 27 | 3.3 | 33 | 7.4 | 4.8 | 6.9 | 9.8 | 0.034 | < 0.001 | 0.099 | < 0.0001 | < 0.001 | 0.004 | 0.001 | - | < 0.001 | 0.061 | 0.052 | 0.045 | < 0.0001 | < 0.1 | 0.06 | < 0.005 | 0.04 | 0.09 | 2.9 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1113.19 |
| 9-Dec-20 | 21-Jan-21 | | 5.7 | 530 | 330 | 66 | < 1 | 76 | 2.6 | 45 | 20 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | < 0.005 | 16.00 | 0.73 | 2.3 | - | - | - | - | - | - | 1112.97 |
| 3-May-21 | 3-Jun-21 | | 5.6 | 250 | 170 | 18 | 4.3 | 51 | 12 | 7.9 | 11 | 20 | 0.016 | < 0.001 | 0.14 | < 0.0001 | 0.005 | 0.003 | 0.003 | - | < 0.001 | 0.023 | 0.13 | 0.56 | < 0.0001 | < 0.1 | 0.26 | 0.01 | 2.50 | 0.33 | 11.0 | <0.01 | <0.014 | 0.01 | <0.0005 | 0.029 | <0.07 | 1113.47 |
| 4-Nov-21 | 21-Dec-21 | | 5.8 | 140 | 89 | 23 | 3.9 | 26 | 6.4 | 4.3 | 6.9 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 | 0.01 | 0.07 | 0.29 | 8.9 | - | - | - | - | - | - | 1114.28 |
| 17-May-22 | 9-Jun-22 | | 5.5 | 180 | 200 | 18 | 6.3 | 27 | 6.8 | 4.6 | 6.3 | 18 | 4.4 | 0.004 | 0.1 | < 0.0001 | 0.005 | 0.012 | 0.002 | - | 0.004 | 0.029 | 0.08 | 3.4 | < 0.0001 | < 0.1 | 0.30 | 0.01 | 0.02 | 0.27 | 11.0 | <0.01 | <0.014 | 0.05 | <0.001 | <0.003 | <0.185 | 1113.44 |

Sampling Point 3 (Groundwater BH1D)

| Sampling Frequency (where liquid is present) | | | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date Sampled** | **Date Obtained** | **Date Published** | **pH (pH units)** | **Electrical Conductivity (µS/cm)** | **Total Dissolved Solids (mg/L)** | **Total Alkalinity as CaCO3 (mg/L)** | **Sulfate (mg/L)** | **Chloride (mg/L)** | **Calcium (mg/L)** | **Magnesium (mg/L)** | **Sodium (mg/L)** | **Potassium (mg/L)** | **Aluminum (mg/L)** | **Arsenic (mg/L)** | **Barium (mg/L)** | **Cadmium (mg/L)** | **Chromium (mg/L)** | **Copper (mg/L)** | **Cobalt (mg/L)** | **Nickel (mg/L)** | **Lead (mg/L)** | **Zinc (mg/L)** | **Manganese (mg/L)** | **Iron (mg/L)** | **Mercury (mg/L)** | **Fluoride (mg/L)** | **Ammonia as N (mg/N/L)** | **Nitrite as N (mg/N/L)** | **Nitrate as N (mg/N/L)** | **Total Phosphorus (mg/L)** | **Total Organic Carbon (mg/L)** | **Organochlorine Pesticides (mg/L)** | **Organophosphorus Pesticides (mg/L)** | **Phenolic Compounds (mg/L)** | **Polynuclear Aromatic Hydrocarbons (mg/L)** | **BTEX (mg/L)** | **Total Petroleum Hydrocarbons (mg/L)** | **Standing Water Level (mAHD)** |
| 19-Nov-13 | 11-Dec-13 | | 6.04 | 126 | 82 | 27 | 11 | 10 | 2 | 3 | 12 | 3 | 0.05 | <0.001 | 0.093 | <0.0001 | <0.001 | 0.004 | 0.002 | 0.01 | 0.00 | 0.038 | 0.04 | 0.52 | <0.0001 | <0.1 | 0.02 | <0.01 | 0.02 | 0.24 | <1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1109.61 |
| 13-May-14 | 10-Jun-14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-Nov-14 | 4-Dec-14 | | 6.09 | 123 | 80 | 28 | 11 | 12 | 3 | 4 | 13 | 4 | <0.01 | <0.001 | 0.116 | <0.0001 | <0.001 | 0.004 | 0.002 | 0.01 | <0.001 | 0.037 | 0.03 | <0.05 | <0.0001 | <0.1 | 0.01 | <0.01 | 0.05 | 0.19 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1110.53 |
| 23-Nov-15 | 17-Dec-15 | | 6.44 | 126 | 82 | 29 | 10 | 14 | 4 | 4 | 11 | 3 | 0.02 | < 0.001 | 0.128 | < 0.0001 | < 0.001 | 0.003 | 0.002 | 0.01 | < 0.001 | 0.033 | 0.03 | < 0.05 | < 0.0001 | < 0.1 | 0.02 | < 0.01 | 0.13 | 0.02 | 5.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1111.48 |
| 7-Nov-16 | 2-Dec-16 | | 6.36 | 120 | 78 | 27 | 9 | 11 | 4 | 4 | 10 | 3 | < 0.01 | < 0.001 | 0.14 | < 0.0001 | < 0.001 | 0.002 | 0.001 | 0.01 | < 0.001 | 0.026 | 0.02 | < 0.05 | < 0.0001 | 0.10 | < 0.01 | < 0.01 | 0.12 | 0.02 | 4.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1112.01 |
| 13-Nov-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28-May-18 | 28-Jun-18 | | 6 | 100 | 89 | 24 | 9.1 | 11 | 2.8 | 4 | 10 | 2.9 | < 0.005 | < 0.001 | 0.17 | < 0.0001 | < 0.001 | < 0.001 | 0.002 | - | < 0.001 | 0.017 | 0.02 | 6.00 | < 0.0001 | < 0.1 | 0.01 | < 0.005 | 0.08 | < 0.02 | 0.6 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1107.39 |
| 1-May-19 | 23-Jul-19 | | 5.6 | 110 | 63 | 31 | 9.7 | 12 | 3.5 | 4 | 8.8 | 2.9 | < 0.005 | < 0.001 | 0.14 | < 0.0001 | < 0.001 | < 0.001 | 0.001 | - | < 0.001 | 0.035 | 0.027 | 0.006 | < 0.0001 | < 0.1 | 0.03 | < 0.005 | 0.17 | 0.03 | 0.4 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1108.40 |
| 11-Nov-19 | 29-Jan-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1108.61 |
| 7-Jul-20 | 24-Jul-20 | | 6.2 | 100 | 80 | 26 | 9.8 | 14 | 2.7 | 4.2 | 9.5 | 3 | 0.009 | < 0.001 | 0.14 | 0.0002 | < 0.001 | 0.005 | < 0.001 | - | < 0.001 | 0.078 | 0.016 | 0.008 | < 0.0001 | < 0.1 | 0.07 | < 0.005 | 0.45 | 0.06 | 0.9 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1110.37 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24-Jun-21 | 13-Jul-21 | | 6.3 | 120 | 80 | 23 | 9.4 | 14 | 4.4 | 4.7 | 12 | 3.8 | < 0.005 | < 0.001 | 0.14 | 0.0001 | < 0.001 | 0.002 | < 0.001 | | < 0.001 | 0.089 | 0.015 | < 0.005 | < 0.0001 | < 0.1 | 0.02 | < 0.005 | 0.65 | 0.10 | 1.5 | <0.01 | <0.014 | 0.01 | <0.0005 | <0.001 | <0.07 | 1110.82 |
| 17-May-22 | 9-Jun-22 | | 5.7 | 130 | 82 | 19 | 9.7 | 14 | 3.8 | 4.5 | 11 | 3.8 | 0.068 | < 0.001 | 0.15 | < 0.0001 | < 0.001 | 0.001 | < 0.001 | - | < 0.001 | 0.079 | 0.022 | 0.046 | < 0.0001 | < 0.1 | 0.15 | < 0.005 | 0.32 | 0.14 | 0.9 | <0.01 | <0.014 | < 0.05 | <0.001 | <0.003 | <0.185 | 1110.79 |

Sampling Point 4 (Groundwater BH2)

| Date Sampled | Date Obtained | Date Published | pH (pH units) | Electrical Conductivity (µS/cm) | Total Dissolved Solids (mg/L) | Total Alkalinity as CaCO3 (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Potassium (mg/L) | Aluminium (mg/L) | Arsenic (mg/L) | Barium (mg/L) | Cadmium (mg/L) | Chromium (mg/L) | Copper (mg/L) | Cobalt (mg/L) | Nickel (mg/L) | Lead (mg/L) | Zinc (mg/L) | Manganese (mg/L) | Iron (mg/L) | Mercury (mg/L) | Fluoride (mg/L) | Ammonia as N (mgN/L) | Nitrite as N (mgN/L) | Nitrate as N (mgN/L) | Total Phosphorus (mg/L) | Total Organic Carbon (mg/L) | Organochlorine Pesticides (mg/L) | Organophosphorus Pesticides (mg/L) | Phenolic Compounds (mg/L) | Polynuclear Aromatic Hydrocarbons (mg/L) | BTEX (mg/L) | Total Petroleum Hydrocarbons (mg/L) | Standing Water Level (mAHD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Frequency (where liquid is present) | | | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual |
| 19-Nov-13 | 11-Dec-13 | | 6.43 | 402 | 261 | 51 | <1 | 58 | 1 | 34 | 18 | <1 | 0.93 | <0.001 | 0.338 | 0.0002 | 0.004 | 0.008 | 0.01 | 0.02 | 0.00 | 0.05 | 0.20 | 0.95 | <0.0001 | <0.1 | 0.03 | <0.01 | 16.70 | 0.58 | <1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1111.81 |
| 13-May-14 | 10-Jun-14 | | 6.67 | 419 | 272 | 50 | <1 | 60 | <1 | 34 | 19 | <1 | | | | | | | | | | | | | | <0.1 | <0.01 | <0.01 | 15.4 | 0.95 | <1 | | | | | | | 1112.02 |
| 5-Nov-14 | 4-Dec-14 | | 6.25 | 438 | 285 | 59 | <1 | 58 | 1 | 37 | 22 | <1 | <0.01 | <0.001 | 0.299 | 0.0001 | <0.001 | 0.001 | 0.001 | 0.014 | <0.001 | 0.016 | 0.05 | <0.05 | <0.0001 | 0.1 | <0.01 | <0.01 | 16.9 | 0.94 | <1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1112.15 |
| 6-May-15 | 28-May-15 | | 6.27 | 465 | 302 | 55 | 13 | 56 | 2 | 52 | 24 | < 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | < 0.1 | < 0.01 | 0.01 | 18.3 | 0.74 | 1.0 | - | - | - | - | - | - | 1111.97 |
| 23-Nov-15 | 17-Dec-15 | | 6.52 | 460 | 299 | 59 | < 1 | 53 | 2 | 40 | 17 | < 1 | 0.02 | < 0.001 | 0.305 | 0.0001 | < 0.001 | < 0.001 | 0.00 | 0.01 | < 0.001 | 0.01 | 0.06 | < 0.05 | < 0.0001 | < 0.1 | 0.06 | < 0.01 | 17.10 | 0.91 | 7.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1110.62 |
| 19-May-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 5-Sep-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 7-Nov-16 | 2-Dec-16 | | 6.41 | 440 | 286 | 53 | < 1 | 55 | 1 | 36 | 16 | < 1 | < 0.01 | < 0.001 | 0.33 | 0.0001 | < 0.001 | < 0.001 | 0.00 | 0.01 | < 0.001 | 0.01 | 0.04 | < 0.05 | < 0.0001 | 0.20 | < 0.01 | < 0.01 | 16.60 | 0.13 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1112.78 |
| 17-May-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1107.72 |
| 13-Nov-17 | 10-Jan-18 | | 5.9 | 470 | 300 | 56 | < 1 | 69 | 1.4 | 39 | 16 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.04 | < 0.005 | 17.00 | 0.69 | 1.0 | - | - | - | - | - | - | 1109.84 |
| 28-May-18 | 28-Jun-18 | | 6.1 | 470 | 310 | 57 | < 1 | 69 | 3 | 40 | 18 | 0.5 | < 0.005 | < 0.001 | 0.42 | 0.0002 | < 0.001 | 0.001 | 0.00 | | < 0.001 | 0.03 | 0.10 | < 0.005 | < 0.0001 | < 0.1 | 0.07 | < 0.005 | 16.00 | 1.50 | 1.7 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1109.02 |
| 14-Nov-18 | 21-Jan-19 | | 5.8 | 490 | 340 | 59 | < 1 | 75 | 2.9 | 39 | 16 | 0.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | < 0.01 | < 0.005 | 17.00 | 1.70 | 1.8 | - | - | - | - | - | - | 1107.72 |
| 1-May-19 | 23-Jul-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1108.42 |
| 11-Nov-19 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1108.17 |
| 7-Jul-20 | 24-Jul-20 | | 6.1 | 560 | 390 | 70 | 3.8 | 97 | 3.3 | 44 | 22 | 0.5 | < 0.005 | < 0.001 | 0.44 | 0.0003 | < 0.001 | < 0.001 | 0.012 | | < 0.001 | 0.13 | 0.28 | < 0.005 | < 0.0001 | < 0.1 | 0.03 | 0.01 | 16.00 | 3.30 | 1.4 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1108.7 |
| 9-Dec-20 | 21-Jan-21 | | 5.4 | 210 | 150 | 22 | 3.8 | 39 | 7.8 | 5.8 | 9.3 | 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.15 | < 0.005 | 0.074 | 0.12 | 5.6 | - | - | - | - | - | - | 1110.74 |
| 3-May-21 | 3-Jun-21 | | 5.8 | 520 | 220 | 76 | < 1 | 81 | 3.8 | 48 | 20 | 0.5 | < 0.005 | < 0.001 | 0.43 | 0.0002 | 0.045 | < 0.001 | 0.001 | | < 0.001 | 0.034 | 0.05 | < 0.005 | < 0.0001 | < 0.1 | 0.02 | < 0.005 | 19.00 | 0.57 | 2.9 | <0.01 | <0.014 | 0.01 | <0.0005 | <0.001 | <0.07 | 1110.89 |
| 4-Nov-21 | 21-Dec-21 | | 5.7 | 460 | 390 | 56 | 1.1 | 84 | 3.2 | 46 | 19 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | < 0.005 | 19.00 | 0.47 | 1.6 | - | - | - | - | - | - | 1112.42 |
| 17-May-22 | 9-Jun-22 | | 5.8 | 560 | 490 | 56 | < 1 | 88 | 3.3 | 52 | 20 | 0.5 | 0.014 | < 0.001 | 0.45 | 0.0002 | 0.027 | < 0.001 | < 0.001 | - | < 0.001 | 0.038 | 0.077 | 0.019 | < 0.0001 | < 0.1 | < 0.01 | 0.01 | 19.00 | 0.27 | 1.1 | <0.01 | <0.014 | < 0.05 | <0.001 | <0.003 | <0.185 | 1111.93 |

Sampling Point 5 (Groundwater BH3S)

| Date Sampled | Date Obtained | Date Published | pH (pH units) | Electrical Conductivity (µS/cm) | Total Dissolved Solids (mg/L) | Total Alkalinity as CaCO3 (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Potassium (mg/L) | Aluminium (mg/L) | Arsenic (mg/L) | Barium (mg/L) | Cadmium (mg/L) | Chromium (mg/L) | Copper (mg/L) | Cobalt (mg/L) | Nickel (mg/L) | Lead (mg/L) | Zinc (mg/L) | Manganese (mg/L) | Iron (mg/L) | Mercury (mg/L) | Fluoride (mg/L) | Ammonia as N (mgN/L) | Nitrite as N (mgN/L) | Nitrate as N (mgN/L) | Total Phosphorus (mg/L) | Total Organic Carbon (mg/L) | Organochlorine Pesticides (mg/L) | Organophosphorus Pesticides (mg/L) | Phenolic Compounds (mg/L) | Polynuclear Aromatic Hydrocarbons (mg/L) | BTEX (mg/L) | Total Petroleum Hydrocarbons (mg/L) | Standing Water Level (mAHD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Frequency (where liquid is present) | | | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual |
| 20-Nov-13 | Insufficient Recharge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1104.51 |
| 13-May-14 | 10-Jun-14 | | 7.57 | 535 | 348 | 220 | 9 | 36 | 5 | 11 | 98 | 1 | | | | | | | | | | | | | | 0.8 | 0.08 | <0.01 | <0.01 | 0.34 | 6.0 | | | | | | | 1104.56 |
| 5-Nov-14 | 4-Dec-14 | | 7.53 | 626 | 407 | 272 | 21 | 36 | 9 | 19 | 98 | <1 | 1.42 | 0.007 | 0.21 | 0.0002 | 0.003 | 0.018 | 0.013 | 0.003 | 0.005 | 0.044 | 0.964 | 0.72 | <0.0001 | 0.9 | 0.08 | <0.01 | <0.01 | 3.68 | 14.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1104.83 |
| 6-May-15 | 28-May-15 | | 7.38 | 577 | 375 | 230 | 10 | 36 | 8 | 22 | 91 | < 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.7 | 0.03 | < 0.01 | 0.01 | 1.67 | 2.0 | - | - | - | - | - | - | 1104.87 |
| 23-Nov-15 | 17-Dec-15 | | 7.1 | 552 | 359 | 211 | 8 | 42 | 10 | 18 | 99 | 3 | 1.4 | 0.005 | 0.157 | 0.0005 | 0.004 | 0.124 | 0.02 | 0.02 | 0.16 | 0.20 | 0.68 | 0.92 | < 0.0001 | 0.80 | 0.06 | < 0.01 | 0.02 | 1.35 | 5.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.1 |
| 19-May-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1103.59 |
| 5-Sep-16 | 21-Sep-16 | | 6.63 | 415 | 270 | 141 | 8 | 40 | 4 | 15 | 58 | < 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.60 | 0.06 | < 0.01 | 0.08 | 3.22 | 2.0 | - | - | - | - | - | - | 1105.53 |
| 7-Nov-16 | 2-Dec-16 | | 6.73 | 359 | 233 | 121 | 7 | 32 | 2 | 16 | 50 | < 1 | 4.2 | 0.009 | 0.589 | 0.0002 | 0.006 | 0.121 | 0.09 | 0.01 | 0.02 | 0.07 | 1.34 | 3.75 | < 0.0001 | 0.60 | 0.04 | < 0.01 | 0.03 | 2.38 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.32 |
| 17-May-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1103.63 |
| 13-Nov-17 | 10-Jan-18 | | 6.7 | 590 | 360 | 250 | 10 | 32 | 5.1 | 16 | 100 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | < 0.005 | < 0.05 | 1.70 | 4.9 | - | - | - | - | - | - | 1103.43 |
| 28-May-18 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1101.92 |
| 14-Nov-18 | 21-Jan-19 | | 6.5 | 580 | 410 | 220 | 9 | 29 | 11 | 15 | 100 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | < 0.005 | 6.60 | 1.40 | 4.5 | - | - | - | - | - | - | 1103.2 |
| 1-May-19 | 23-Jul-19 | | 6.7 | 530 | 380 | 250 | 10 | 29 | 10 | 15 | 100 | 0.5 | 0.029 | 0.001 | 0.18 | < 0.0001 | < 0.001 | 0.002 | 0.007 | | < 0.001 | 0.005 | 0.61 | 0.014 | < 0.0001 | 0.63 | 0.03 | < 0.005 | 1.90 | 2.20 | 2.3 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1102.74 |
| 11-Nov-19 | 29-Jan-20 | | 6.7 | 550 | 380 | 230 | 9.4 | 40 | 8.8 | 14 | 96 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.04 | <0.005 | 0.35 | 0.89 | 2.6 | - | - | - | - | - | - | 1102.98 |
| 7-Jul-20 | 24-Jul-20 | | 6.5 | 370 | 240 | 140 | 14 | 21 | 31 | 9 | 31 | 0.9 | 0.27 | < 0.001 | 0.13 | < 0.0001 | < 0.001 | 0.002 | 0.001 | | < 0.001 | 0.058 | 0.14 | 0.13 | < 0.0001 | < 0.1 | 0.04 | < 0.005 | 3.00 | 0.31 | 3.3 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1104.17 |
| 9-Dec-20 | 21-Jan-21 | | 6.4 | 630 | 390 | 230 | 8.2 | 55 | 9.2 | 19 | 99 | 0.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | < 0.005 | 0.25 | 0.85 | 2.2 | - | - | - | - | - | - | 1104.76 |
| 3-May-21 | 3-Jun-21 | | 6.5 | 620 | 350 | 230 | 8.1 | 61 | 7.1 | 22 | 110 | 0.6 | 0.032 | 0.003 | 0.1 | < 0.0001 | 0.055 | 0.002 | 0.013 | | < 0.001 | 0.009 | 0.64 | 0.051 | < 0.0001 | 0.79 | 0.07 | < 0.005 | 0.18 | 1.20 | 3.1 | <0.01 | <0.014 | 0.01 | <0.0005 | <0.001 | <0.07 | 1104.41 |
| 4-Nov-21 | 21-Dec-21 | | 6.5 | 470 | 240 | 190 | 8.1 | 54 | 3.1 | 20 | 95 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | < 0.005 | 0.03 | 1.80 | 3.2 | - | - | - | - | - | - | 1105.51 |
| 17-May-22 | 9-Jun-22 | | 6.7 | 520 | 320 | 190 | 25 | 88 | 2.9 | 20 | 90 | 0.5 | 0.23 | 0.002 | 0.038 | < 0.0001 | 0.008 | < 0.001 | < 0.001 | - | < 0.001 | 0.007 | 0.064 | 0.11 | < 0.0001 | 0.79 | 0.01 | < 0.005 | 0.04 | 0.23 | 1.0 | <0.01 | <0.014 | < 0.05 | <0.001 | <0.003 | <0.185 | 1105.13 |

Sampling Point 6 (Groundwater BH3D)

| Date Sampled | Date Obtained | Date Published | pH (pH units) | Electrical Conductivity (µS/cm) | Total Dissolved Solids (mg/L) | Total Alkalinity as CaCO3 (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Potassium (mg/L) | Aluminium (mg/L) | Arsenic (mg/L) | Barium (mg/L) | Cadmium (mg/L) | Chromium (mg/L) | Copper (mg/L) | Cobalt (mg/L) | Nickel (mg/L) | Lead (mg/L) | Zinc (mg/L) | Manganese (mg/L) | Iron (mg/L) | Mercury (mg/L) | Fluoride (mg/L) | Ammonia as N (mgN/L) | Nitrite as N (mgN/L) | Nitrate as N (mgN/L) | Total Phosphorus (mg/L) | Total Organic Carbon (mg/L) | Organochlorine Pesticides (mg/L) | Organophosphorus Pesticides (mg/L) | Phenolic Compounds (mg/L) | Polynuclear Aromatic Hydrocarbons (mg/L) | BTEX (mg/L) | Total Petroleum Hydrocarbons (mg/L) | Standing Water Level (mAHD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Frequency (where liquid is present) | | | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual |
| 20-Nov-13 | Piezometer Blocked | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | * Standing Water Level unlikely to be accurate due to blockage. | | | 1104.92 |
| 25-Feb-14 | 14-Mar-14 | | 7.43 | 292 | 190 | 111 | 10 | 10 | 16 | 13 | 16 | 1 | 0.16 | <0.001 | 0.081 | 0.0002 | 0.001 | 0.017 | <0.001 | 0.01 | 0.01 | 0.06 | 0.04 | 0.08 | 0.00 | 0.30 | <0.01 | <0.01 | 0.11 | 0.46 | 1.0 | <0.010 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1103.82* *replacement |
| 13-May-14 | 10-Jun-14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1104.62 *replacement |
| 5-Nov-14 | 4-Dec-14 | | 6.86 | 191 | 124 | 75 | 7 | 12 | 4 | 12 | 16 | 2 | 0.02 | <0.001 | 0.049 | <0.0001 | <0.001 | <0.001 | <0.001 | 0.00 | <0.001 | 0.01 | 0.01 | <0.05 | <0.0001 | 0.20 | <0.01 | <0.01 | 0.19 | 0.09 | <1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1104.72 |
| 23-Nov-15 | 17-Dec-15 | | 6.88 | 191 | 124 | 67 | 6 | 12 | 5 | 13 | 14 | 1 | < 0.01 | < 0.001 | 0.046 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | 0.00 | < 0.001 | 0.01 | 0.02 | < 0.05 | < 0.0001 | 0.20 | < 0.01 | < 0.01 | 0.08 | 0.11 | 6.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.02 |
| 7-Nov-16 | 2-Dec-16 | | 6.58 | 179 | 116 | 63 | 6 | 11 | 5 | 12 | 13 | 2 | 0.01 | < 0.001 | 0.052 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | 0.00 | < 0.001 | 0.01 | 0.00 | < 0.05 | < 0.0001 | 0.30 | < 0.01 | < 0.01 | 0.12 | 0.09 | 1.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.2 |
| 13-Nov-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 28-May-18 | 28-Jun-18 | | 6.3 | 180 | 150 | 74 | 6.6 | 13 | 4.8 | 13 | 15 | 1.5 | < 0.005 | < 0.001 | 0.068 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | | < 0.001 | 0.01 | 0.00 | 0.01 | < 0.0001 | 0.16 | < 0.01 | < 0.005 | 0.07 | 0.08 | 0.6 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1101.95 |
| 1-May-19 | 23-Jul-19 | | 6.1 | 200 | 150 | 72 | 7.2 | 14 | 4.7 | 13 | 14 | 1.5 | < 0.005 | < 0.001 | 0.059 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | | < 0.001 | 0.006 | 0.003 | < 0.005 | < 0.0001 | 0.12 | 0.02 | < 0.005 | 0.06 | 0.10 | 0.4 | <0.01 | <0.014 | 0.09 | <0.0005 | <0.001 | <0.07 | 1102.26 |
| 11-Nov-19 | 29-Jan-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1102.94 |
| 7-Jul-20 | 24-Jul-20 | | 6.9 | 220 | 150 | 88 | 7.3 | 18 | 5.7 | 13 | 19 | 1.6 | 0.012 | < 0.001 | 0.061 | < 0.0001 | < 0.001 | 0.001 | < 0.001 | | < 0.001 | 0.088 | 0.005 | 0.011 | < 0.0001 | 0.16 | 0.03 | < 0.005 | 0.06 | 0.10 | 0.7 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1103.74 |
| 24-Jun-21 | 13-Jul-21 | | 6.3 | 180 | 110 | 59 | 6.2 | 12 | 5 | 13 | 17 | 1.6 | 0.18 | < 0.001 | 0.053 | < 0.0001 | < 0.001 | 0.001 | < 0.001 | | < 0.001 | 0.016 | 0.012 | 0.094 | < 0.0001 | 0.23 | < 0.01 | < 0.005 | 0.07 | 0.09 | 0.3 | <0.01 | <0.014 | 0.01 | <0.0005 | <0.001 | <0.07 | 1104.62 |
| 17-May-22 | 9-Jun-22 | | 6.3 | 200 | 150 | 70 | 6.6 | 14 | 5.5 | 12 | 17 | 1.7 | 0.03 | < 0.001 | 0.056 | < 0.0001 | 0.001 | 0.001 | < 0.001 | - | < 0.001 | 0.038 | 0.013 | 0.02 | < 0.0001 | 0.24 | 0.02 | < 0.005 | 0.11 | 0.12 | 1.2 | <0.01 | <0.014 | < 0.05 | <0.001 | <0.003 | <0.185 | 1104.57 |

Sampling Point 7 (Groundwater BH4S)

| Date Sampled | Date Obtained | Date Published | pH (pH units) | Electrical Conductivity (µS/cm) | Total Dissolved Solids (mg/L) | Total Alkalinity as CaCO3 (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Potassium (mg/L) | Aluminium (mg/L) | Arsenic (mg/L) | Barium (mg/L) | Cadmium (mg/L) | Chromium (mg/L) | Copper (mg/L) | Cobalt (mg/L) | Nickel (mg/L) | Lead (mg/L) | Zinc (mg/L) | Manganese (mg/L) | Iron (mg/L) | Mercury (mg/L) | Fluoride (mg/L) | Ammonia as N (mgN/L) | Nitrite as N (mgN/L) | Nitrate as N (mgN/L) | Total Phosphorus (mg/L) | Total Organic Carbon (mg/L) | Organochlorine Pesticides (mg/L) | Organophosphorus Pesticides (mg/L) | Phenolic Compounds (mg/L) | Polynuclear Aromatic Hydrocarbons (mg/L) | BTEX (mg/L) | Total Petroleum Hydrocarbons (mg/L) | Standing Water Level (mAHD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Frequency (where liquid is present) | | | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual |
| 20-Nov-13 | Insufficient Recharge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1104.75 |
| 13-May-14 | Insufficient Recharge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1104.89 |
| 5-Nov-14 | 4-Dec-14 | | 7.19 | 1060 | 689 | 320 | 31 | 146 | 3 | 41 | 155 | 1 | 0.03 | 0.002 | 0.116 | <0.0001 | <0.001 | <0.001 | 0.014 | 0.005 | <0.001 | 0.006 | 1.5 | 1.43 | <0.0001 | 0.6 | 0.12 | <0.01 | 0.08 | 0.72 | 14.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1104.72 |
| 6-May-15 | Insufficient Recharge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1104.24 |
| 23-Nov-15 | 17-Dec-15 | | 7.21 | 773 | 502 | 221 | 7 | 106 | 4 | 42 | 95 | < 1 | < 0.01 | < 0.001 | 0.101 | < 0.0001 | < 0.001 | < 0.001 | 0.01 | 0.01 | < 0.001 | < 0.005 | 2.66 | 0.33 | < 0.0001 | 0.40 | 0.06 | < 0.01 | 0.09 | 0.34 | 5.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.1 |
| 19-May-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1101.5 |
| 5-Sep-16 | 21-Sep-16 | | 7.04 | 1160 | 754 | 366 | 12 | 154 | 8 | 40 | 160 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.70 | 0.06 | < 0.01 | 0.06 | 0.48 | 7.0 | - | - | - | - | - | - | 1105.18 |
| 7-Nov-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1104.8 |
| 17-May-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1101.42 |
| 13-Nov-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1101.72 |
| 28-May-18 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 14-Nov-18 | 21-Jan-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1101.47 |
| 1-May-19 | 23-Jul-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1101.95 |
| 11-Nov-19 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1101.91 |
| 7-Jul-20 | 24-Jul-20 | | 7.4 | 930 | 550 | 400 | 6.5 | 80 | 7.7 | 43 | 88 | 0.6 | 0.006 | < 0.001 | 0.13 | < 0.0001 | < 0.001 | < 0.001 | 0.017 | | < 0.001 | 0.023 | 3.2 | 0.009 | < 0.0001 | 0.73 | 0.07 | < 0.005 | 0.06 | 0.19 | 9.9 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1104.81 |
| 9-Dec-20 | 21-Jan-21 | | 6.6 | 1400 | 870 | 680 | < 1 | 110 | 48 | 110 | 140 | 0.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.05 | < 0.005 | < 0.005 | 0.44 | 29 | - | - | - | - | - | - | 1104.02 |
| 3-May-21 | 3-Jun-21 | | 6.5 | 1600 | 960 | 850 | < 1 | 130 | 55 | 110 | 190 | 1.5 | 0.007 | 0.001 | 0.14 | < 0.0001 | 0.03 | < 0.001 | 0.053 | | < 0.001 | < 0.005 | 11 | 0.005 | < 0.0001 | 0.91 | 2.00 | < 0.005 | < 0.005 | 0.49 | 16.0 | <0.01 | <0.014 | 0.01 | <0.0005 | <0.001 | <0.07 | 1104.15 |
| 4-Nov-21 | 21-Dec-21 | | 6.4 | 1600 | 1000 | 740 | 2.6 | 150 | 50 | 120 | 200 | 0.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.07 | < 0.005 | < 0.005 | 0.41 | 17.0 | - | - | - | - | - | - | 1104.79 |
| 17-May-22 | 9-Jun-22 | | 6.5 | 1500 | 960 | 720 | 1.7 | 130 | 51 | 91 | 170 | 1 | < 0.005 | < 0.001 | 0.21 | < 0.0001 | 0.009 | 0.001 | 0.051 | - | < 0.001 | 0.005 | 7.4 | 0.015 | < 0.0001 | 0.75 | 0.11 | < 0.005 | < 0.005 | 0.23 | 15.0 | <0.01 | <0.014 | < 0.05 | <0.001 | <0.003 | <0.185 | 1104.68 |

Sampling Point 8 (Groundwater BH4D)

| Date Sampled | Date Obtained | Date Published | pH (pH units) | Electrical Conductivity (µS/cm) | Total Dissolved Solids (mg/L) | Total Alkalinity as CaCO3 (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Potassium (mg/L) | Aluminium (mg/L) | Arsenic (mg/L) | Barium (mg/L) | Cadmium (mg/L) | Chromium (mg/L) | Copper (mg/L) | Cobalt (mg/L) | Nickel (mg/L) | Lead (mg/L) | Zinc (mg/L) | Manganese (mg/L) | Iron (mg/L) | Mercury (mg/L) | Fluoride (mg/L) | Ammonia as N (mgN/L) | Nitrite as N (mgN/L) | Nitrate as N (mgN/L) | Total Phosphorus (mg/L) | Total Organic Carbon (mg/L) | Organochlorine Pesticides (mg/L) | Organophosphorus Pesticides (mg/L) | Phenolic Compounds (mg/L) | Polynuclear Aromatic Hydrocarbons (mg/L) | BTEX (mg/L) | Total Petroleum Hydrocarbons (mg/L) | Standing Water Level (mAHD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Frequency (where liquid is present) | | | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual |
| 20-Nov-13 | 11-Dec-13 | | 7.26 | 280 | 182 | 123 | 11 | 6 | 13 | 14 | 26 | 1 | 0.06 | 0.012 | 0.037 | <0.0001 | <0.001 | 0.003 | 0.00 | 0.00 | <0.001 | 0.05 | 0.63 | 3.08 | <0.0001 | 0.40 | 0.03 | <0.01 | 0.04 | 0.29 | 3.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1104.89 |
| 13-May-14 | 10-Jun-14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1104.93 |
| 5-Nov-14 | 4-Dec-14 | | 6.98 | 231 | 150 | 114 | 6 | 5 | 10 | 14 | 16 | 1 | <0.01 | 0.004 | 0.01 | <0.0001 | <0.001 | <0.001 | <0.001 | 0.00 | <0.001 | 0.02 | 0.48 | <0.05 | <0.0001 | 0.30 | <0.01 | <0.01 | 0.01 | 0.29 | <1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.24 |
| 23-Nov-15 | 17-Dec-15 | | 7.32 | 260 | 169 | 127 | 5 | 5 | 15 | 15 | 17 | 1 | < 0.01 | 0.01 | 0.022 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | 0.00 | < 0.001 | 0.01 | 0.48 | 2.47 | < 0.0001 | 0.30 | < 0.01 | < 0.01 | 0.02 | 0.24 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.46 |
| 7-Nov-16 | 2-Dec-16 | | 7.12 | 229 | 149 | 101 | 4 | 4 | 12 | 14 | 12 | 1 | < 0.01 | 0.012 | 0.018 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | 0.00 | < 0.001 | 0.01 | 0.55 | 3.02 | < 0.0001 | 0.30 | 0.01 | < 0.01 | 0.02 | 0.27 | < 1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1104.71 |
| 13-Nov-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28-May-18 | 28-Jun-18 | | 6.7 | 220 | 150 | 110 | 4.5 | 4.7 | 13 | 14 | 13 | 1.4 | < 0.005 | 15 | 0.022 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | | < 0.001 | 0.02 | 0.56 | 3.40 | < 0.0001 | 0.25 | 0.02 | < 0.005 | 0.02 | 0.26 | 0.5 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1102.16 |
| 1-May-19 | 23-Jul-19 | | 6.5 | 250 | 140 | 120 | 5.2 | 5.1 | 15 | 15 | 12 | 1.5 | < 0.005 | 0.003 | 0.025 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | | < 0.001 | 0.008 | 0.51 | < 0.005 | < 0.0001 | 0.22 | 0.02 | < 0.005 | 0.02 | 0.19 | 0.7 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1103.26 |
| 11-Nov-19 | 29-Jan-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1103.65 |
| 7-Jul-20 | 24-Jul-20 | | 7.2 | 290 | 180 | 110 | 9.7 | 24 | 13 | 15 | 20 | 2.1 | 0.009 | < 0.001 | 0.02 | < 0.0001 | < 0.001 | 0.003 | < 0.001 | | < 0.001 | 0.13 | 0.1 | 0.011 | < 0.0001 | 0.22 | 0.05 | < 0.005 | 0.18 | 0.16 | 1.8 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1103.72 |
| 24-Jun-21 | 13-Jul-21 | | 6.8 | 220 | 130 | 95 | 5 | 5.2 | 15 | 16 | 14 | 1.8 | < 0.005 | 0.001 | 0.017 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | | < 0.001 | 0.018 | 0.65 | 0.46 | < 0.0001 | 0.31 | < 0.01 | < 0.005 | < 0.005 | 0.15 | 0.4 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1104.43 |
| 17-May-22 | 9-Jun-22 | | 6.4 | 260 | 150 | 120 | 5.3 | 5.7 | 15 | 16 | 14 | 1.6 | < 0.005 | 0.002 | 0.025 | < 0.0001 | < 0.001 | < 0.001 | 0.001 | - | < 0.001 | 0.031 | 0.55 | 0.071 | < 0.0001 | 0.33 | 0.02 | < 0.005 | < 0.005 | 0.26 | 0.5 | <0.01 | <0.014 | < 0.05 | <0.001 | <0.003 | <0.185 | 1104.46 |

Sampling Point 9 (Groundwater BH5)

| Date Sampled | Date Obtained | Date Published | pH (pH units) | Electrical Conductivity (µS/cm) | Total Dissolved Solids (mg/L) | Total Alkalinity as CaCO3 (mg/L) | Sulfate (mg/L) | Chloride (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Sodium (mg/L) | Potassium (mg/L) | Aluminium (mg/L) | Arsenic (mg/L) | Barium (mg/L) | Cadmium (mg/L) | Chromium (mg/L) | Copper (mg/L) | Cobalt (mg/L) | Nickel (mg/L) | Lead (mg/L) | Zinc (mg/L) | Manganese (mg/L) | Iron (mg/L) | Mercury (mg/L) | Fluoride (mg/L) | Ammonia as N (mgN/L) | Nitrite as N (mgN/L) | Nitrate as N (mgN/L) | Total Phosphorus (mg/L) | Total Organic Carbon (mg/L) | Organochlorine Pesticides (mg/L) | Organophosphorus Pesticides (mg/L) | Phenolic Compounds (mg/L) | Polynuclear Aromatic Hydrocarbons (mg/L) | BTEX (mg/L) | Total Petroleum Hydrocarbons (mg/L) | Standing Water Level (mAHD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Frequency (where liquid is present) | | | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual |
| 20-Nov-13 | 11-Dec-13 | | 7.79 | 1360 | 884 | 468 | 186 | 42 | 14 | 81 | 168 | <1 | 0.36 | 0.001 | 0.065 | <0.0001 | <0.001 | 0.004 | <0.001 | 0.00 | 0.00 | 0.02 | 0.02 | 0.15 | <0.0001 | 1.70 | 0.02 | <0.01 | 4.50 | <0.10 | 9.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1105.86 |
| 13-May-14 | 10-Jun-14 | | 8.02 | 1420 | 923 | 545 | 159 | 49 | 14 | 78 | 166 | 2 | | | | | | | | | | | | | | 1.7 | 0.02 | 0.02 | 4.41 | 0.05 | 1.0 | | | | | | | 1105.78 |
| 5-Nov-14 | 4-Dec-14 | | 7.64 | 1400 | 910 | 534 | 180 | 40 | 12 | 83 | 182 | <1 | <0.01 | <0.001 | 0.034 | <0.0001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | 0.009 | 0.006 | <0.05 | <0.0001 | 1.5 | <0.01 | <0.01 | 4.58 | 0.09 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1106.09 |
| 6-May-15 | 28-May-15 | | 6.02 | 115 | 75 | 26 | 10 | 11 | 3 | 5 | 14 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | < 0.1 | < 0.01 | < 0.01 | 0.04 | < 0.01 | 1.0 | - | - | - | - | - | - | 1105.64 |
| 23-Nov-15 | 17-Dec-15 | | 7.86 | 1380 | 897 | 517 | 172 | 37 | 13 | 87 | 179 | < 1 | < 0.01 | < 0.001 | 0.034 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | 0.01 | 0.01 | < 0.05 | < 0.0001 | 1.50 | 0.01 | < 0.01 | 4.24 | 0.02 | 3.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1106.45 |
| 19-May-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1103.78 |
| 5-Sep-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 7-Nov-16 | 2-Dec-16 | | 7.7 | 1280 | 832 | 453 | 152 | 33 | 13 | 74 | 159 | < 1 | 0.04 | < 0.001 | 0.033 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.005 | 0.01 | < 0.05 | < 0.0001 | 1.50 | < 0.01 | < 0.01 | 3.91 | 0.02 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1106.76 |
| 17-May-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1102.88 |
| 13-Nov-17 | 10-Jan-18 | | 7.1 | 1200 | 660 | 460 | 160 | 36 | 12 | 74 | 170 | 0.9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | < 0.005 | 3.00 | 0.06 | 7.3 | - | - | - | - | - | - | 1104.28 |
| 28-May-18 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1102.46 |
| 14-Nov-18 | 21-Jan-19 | | 7.1 | 460 | 290 | 170 | 40 | 19 | 12 | 21 | 44 | 0.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | < 0.01 | < 0.005 | 0.70 | 0.18 | 8.7 | - | - | - | - | - | - | 1110.93 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-May-19 | 23-Jul-19 | | 7.1 | 620 | 380 | 250 | 66 | 18 | 12 | 35 | 81 | 1.1 | 0.033 | 0.001 | 0.074 | < 0.0001 | < 0.001 | 0.003 | < 0.001 | | < 0.001 | < 0.005 | 0.043 | 0.047 | < 0.0001 | 1 | 0.03 | < 0.005 | 0.49 | 0.61 | 5.3 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1103.14 |
| 11-Nov-19 | 29-Jan-20 | | 7.3 | 400 | 260 | 150 | 32 | 22 | 12 | 22 | 44 | 0.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | <0.005 | 0.43 | 0.37 | 11.0 | - | - | - | - | - | - | 1103.73 |
| 7-Jul-20 | 24-Jul-20 | | 7.8 | 360 | 230 | 160 | 23 | 14 | 24 | 19 | 21 | 1.5 | 0.063 | 0.002 | 0.072 | < 0.0001 | < 0.001 | 0.005 | < 0.001 | | < 0.001 | 0.019 | 0.053 | 0.11 | < 0.0001 | 0.24 | 0.04 | < 0.005 | 0.03 | 0.16 | 8.1 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1105.77 |
| 9-Dec-20 | 21-Jan-21 | | 5.7 | 530 | 330 | 66 | < 1 | 76 | 2.6 | 45 | 20 | 0.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | < 0.005 | 16 | 0.73 | 2.3 | - | - | - | - | - | - | 1105.63 |
| 3-May-21 | 3-Jun-21 | | 7 | 330 | 200 | 170 | 14 | 3.8 | 38 | 17 | 18 | 2.7 | 0.017 | 0.004 | 0.063 | < 0.0001 | 0.006 | 0.003 | 0.001 | | < 0.001 | 0.033 | 0.089 | 0.13 | < 0.0001 | 0.25 | 0.08 | < 0.005 | 0.14 | 0.19 | 18.0 | <0.01 | <0.014 | 0.01 | <0.0005 | <0.001 | <0.07 | 1105.33 |
| 4-Nov-21 | 21-Dec-21 | | 7 | 320 | 230 | 170 | 17 | 6.9 | 31 | 17 | 20 | 1.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.05 | < 0.005 | 0.06 | 0.24 | 13.0 | - | - | - | - | - | - | 1106.73 |
| 17-May-22 | 9-Jun-22 | | 7 | 380 | 270 | 170 | 21 | 7.5 | 37 | 14 | 24 | 2.4 | 0.64 | 0.004 | 0.062 | < 0.0001 | 0.006 | 0.006 | < 0.001 | - | 0.001 | 0.042 | 0.01 | 0.47 | < 0.0001 | 0.31 | 0.04 | < 0.005 | 0.05 | 0.19 | 14.0 | <0.01 | <0.014 | < 0.05 | <0.001 | <0.003 | <0.185 | 1106.6 |

Sampling Point 10 (Groundwater BH6S)

| Sampling Frequency (where liquid is present) | | | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual | Biannual | Biannual | Biannual | Biannual | Annual | Annual | Annual | Annual | Annual | Annual | Biannual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date Sampled** | **Date Obtained** | **Date Published** | **pH (pH units)** | **Electrical Conductivity (µS/cm)** | **Total Dissolved Solids (mg/L)** | **Total Alkalinity as CaCO3 (mg/L)** | **Sulfate (mg/L)** | **Chloride (mg/L)** | **Calcium (mg/L)** | **Magnesium (mg/L)** | **Sodium (mg/L)** | **Potassium (mg/L)** | **Aluminum (mg/L)** | **Arsenic (mg/L)** | **Barium (mg/L)** | **Cadmium (mg/L)** | **Chromium (mg/L)** | **Copper (mg/L)** | **Cobalt (mg/L)** | **Nickel (mg/L)** | **Lead (mg/L)** | **Zinc (mg/L)** | **Manganese (mg/L)** | **Iron (mg/L)** | **Mercury (mg/L)** | **Fluoride (mg/L)** | **Ammonia as N (mg/N/L)** | **Nitrite as N (mg/N/L)** | **Nitrate as N (mg/N/L)** | **Total Phosphorus (mg/L)** | **Total Organic Carbon (mg/L)** | **Organochlorine Pesticides (mg/L)** | **Organophosphorus Pesticides (mg/L)** | **Phenolic Compounds (mg/L)** | **Polynuclear Aromatic Hydrocarbons (mg/L)** | **BTEX (mg/L)** | **Total Petroleum Hydrocarbons (mg/L)** | **Standing Water Level (mAHD)** |
| 19-Nov-13 | Insufficient Recharge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1118.24 |
| 13-May-14 | 10-Jun-14 | | 7.42 | 262 | 170 | 134 | 3 | 5 | 4 | 18 | 14 | 3 | | | | | | | | | | | | | | 0.2 | 0.02 | <0.01 | 0.04 | 0.11 | <1 | | | | | | | | 1117.87 |
| 5-Nov-14 | 4-Dec-14 | | 6.98 | 496 | 322 | 198 | 9 | 37 | <1 | 19 | 72 | 1 | 0.01 | <0.001 | 0.232 | <0.0001 | <0.001 | <0.001 | 0.004 | 0.008 | <0.001 | 0.014 | 0.127 | <0.05 | <0.0001 | 0.2 | 0.02 | <0.01 | 0.01 | 1.06 | 3.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1118.17 |
| 6-Mar-15 | Insufficient Recharge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1120.96 |
| 23-Nov-15 | Insufficient Recharge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 19-May-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 5-Sep-16 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 7-Nov-16 | 2-Dec-16 | | 7.46 | 1140 | 741 | 564 | 2 | 35 | 9 | 50 | 178 | < 1 | < 0.01 | 0.005 | 0.444 | < 0.0001 | < 0.001 | < 0.001 | 0.00 | < 0.001 | < 0.001 | < 0.005 | 0.60 | 7.99 | < 0.0001 | 0.60 | < 0.01 | < 0.01 | 0.03 | 0.06 | 5.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1119.85 |
| 17-May-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1117.2 |
| 13-Nov-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1117.2 |
| 28-May-18 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 14-Nov-18 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 1-May-19 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 11-Nov-19 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| 7-Jul-20 | Blocked | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9-Dec-20 | Blocked | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3-May-21 | Blocked | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Nov-21 | Blocked | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 17-May-22 | Blocked | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Sampling Point 11 (Groundwater BH6D)

| Sampling Frequency (where liquid is present) | | | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date Sampled** | **Date Obtained** | **Date Published** | **pH (pH units)** | **Electrical Conductivity (µS/cm)** | **Total Dissolved Solids (mg/L)** | **Total Alkalinity as CaCO3 (mg/L)** | **Sulfate (mg/L)** | **Chloride (mg/L)** | **Calcium (mg/L)** | **Magnesium (mg/L)** | **Sodium (mg/L)** | **Potassium (mg/L)** | **Aluminum (mg/L)** | **Arsenic (mg/L)** | **Barium (mg/L)** | **Cadmium (mg/L)** | **Chromium (mg/L)** | **Copper (mg/L)** | **Cobalt (mg/L)** | **Nickel (mg/L)** | **Lead (mg/L)** | **Zinc (mg/L)** | **Manganese (mg/L)** | **Iron (mg/L)** | **Mercury (mg/L)** | **Fluoride (mg/L)** | **Ammonia as N (mg/N/L)** | **Nitrite as N (mg/N/L)** | **Nitrate as N (mg/N/L)** | **Total Phosphorus (mg/L)** | **Total Organic Carbon (mg/L)** | **Organochlorine Pesticides (mg/L)** | **Organophosphorus Pesticides (mg/L)** | **Phenolic Compounds (mg/L)** | **Polynuclear Aromatic Hydrocarbons (mg/L)** | **BTEX (mg/L)** | **Total Petroleum Hydrocarbons (mg/L)** | **Standing Water Level (mAHD)** |
| 19-Nov-13 | 11-Dec-13 | | 7.42 | 244 | 159 | 114 | 3 | 6 | 6 | 19 | 14 | 3 | 0.08 | 0.005 | 0.031 | <0.0001 | <0.001 | 0.002 | 0.00 | 0.00 | <0.001 | 0.04 | 0.63 | 0.99 | <0.0001 | 0.20 | 0.02 | <0.01 | 0.03 | 0.30 | <1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1118.14 |
| 13-May-14 | 10-Jun-14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1118.13 |
| 5-Nov-14 | 4-Dec-14 | | 7.27 | 268 | 174 | 140 | 5 | 5 | 5 | 21 | 16 | 3 | <0.01 | 0.009 | 0.02 | <0.0001 | <0.001 | <0.001 | 0.001 | 0.001 | <0.001 | 0.009 | 0.684 | 1.5 | <0.0001 | 0.2 | <0.01 | <0.01 | 0.04 | 0.31 | <1 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1118.26 |
| 23-Nov-15 | 17-Dec-15 | | 7.5 | 246 | 160 | 123 | 3 | 5 | 6 | 21 | 14 | 3 | 0.02 | 0.001 | 0.009 | < 0.0001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.005 | 0.53 | < 0.05 | < 0.0001 | 0.10 | 0.01 | < 0.01 | 0.02 | 0.14 | 2.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1118.47 |
| 7-Nov-16 | 2-Dec-16 | | 7.1 | 221 | 144 | 82 | 4 | 16 | 4 | 18 | 10 | 2 | < 0.01 | 0.01 | 0.011 | < 0.0001 | < 0.001 | < 0.001 | 0.00 | < 0.001 | < 0.001 | < 0.005 | 0.72 | 2.97 | < 0.0001 | 0.10 | < 0.01 | < 0.01 | < 0.01 | 0.41 | 1.0 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1119.48 |
| 13-Nov-17 | Insufficient | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28-May-18 | 28-Jun-18 | | 6.9 | 220 | 140 | 99 | 3.3 | 11 | 5.1 | 19 | 12 | 2.6 | < 0.005 | 9 | 0.012 | < 0.0001 | < 0.001 | < 0.001 | 0.00 | | < 0.001 | 0.01 | 0.62 | 2.30 | < 0.0001 | 0.11 | 0.02 | < 0.005 | 0.09 | 0.33 | 1.2 | <0.01 | <0.014 | <0.014 | <0.0005 | <0.001 | <0.07 | 1115.98 |
| 1-May-19 | 23-Jul-19 | | 6.6 | 230 | 110 | 100 | 4.3 | 6.9 | 4.8 | 19 | 11 | 2.5 | < 0.005 | 0.004 | 0.009 | < 0.0001 | < 0.001 | < 0.001 | 0.002 | | < 0.001 | < 0.005 | 0.43 | 0.014 | < 0.0001 | < 0.1 | < 0.01 | < 0.005 | < 0.005 | 0.12 | 0.5 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1115.19 |
| 11-Nov-19 | 29-Jan-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1114.79 |
| 7-Jul-20 | 24-Jul-20 | | 7.4 | 230 | 150 | 110 | 5.5 | 8.3 | 5.1 | 18 | 12 | 2.4 | 0.012 | 0.001 | 0.013 | < 0.0001 | < 0.001 | 0.001 | < 0.001 | | < 0.001 | 0.076 | < 0.001 | 0.012 | < 0.0001 | < 0.1 | 0.01 | < 0.005 | 0.22 | 0.21 | 1.1 | <0.01 | <0.014 | < 0.01 | <0.0005 | <0.001 | <0.07 | 1114.93 |
| 24-Jun-21 | Inaccessible | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 17-May-22 | Inaccessible | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |