

EPL20350 WATER MONITORING RESULTS 2015 - QUARTER 2

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|---|---|
| LICENCE HOLDER PREMISES | Santos NSW (Eastern) Pty Ltd Narrabri Gas Field X Line Road, NARRABRI NSW 2390 |
| LICENCE NUMBER EPL LINK (EPA SITE) | Environment Protection Licence 20350 http://www.epa.nsw.gov.au/prpoeapp/ViewPOEOLicence.aspx?DOCID=33816&SYSUID=1&LICID=20350 |
| SCHEDULED ACTIVITY REPORTING PERIOD PUBLISHED DATE | Coal seam gas exploration, assessment and production 2015, Quarter 2 - August / October 2015 November 2015 |
| MONITORING BY ANALYSIS BY | Santos ALS Laboratory, Smithfield |

TABLE 1: EPL20350 WATER MONITORING LOCATIONS

Spatial reference: GDA94 MGA Zone 55

| EPA Identification No. | Monitoring type | Location | Easting | Northing |
|------------------------|--------------------------------|--------------|------------|-------------|
| 7 | Groundwater quality monitoring | BWD27PRORA01 | 755429.176 | 6604670.682 |
| 8 | Groundwater quality monitoring | BWD27PRUPS02 | 755433.048 | 6604684.807 |
| 9 | Groundwater quality monitoring | BWD26PRUPS01 | 749372.750 | 6609376.690 |
| 10 | Groundwater quality monitoring | BWD26PRLPS02 | 749364.450 | 6609363.350 |
| 11 | Groundwater quality monitoring | DWH14PRUPS01 | 764703.313 | 6617145.443 |
| 12 | Groundwater quality monitoring | DWH14PRLPS02 | 764689.147 | 6617119.109 |
| 13 | Groundwater quality monitoring | DWH14PRUP03 | 764696.211 | 6617132.298 |
| 14 | Groundwater quality monitoring | DWH3PRUPS01 | 762239.680 | 6605589.320 |
| 15 | Groundwater quality monitoring | DWH3PRLPS02 | 762251.050 | 6605598.980 |
| 16 | Groundwater quality monitoring | NYOPRORA01 | 736293.460 | 6643110.400 |
| 17 | Groundwater quality monitoring | NYOPRUPS02 | 736308.800 | 6643107.840 |
| 18 | Groundwater quality monitoring | BWD27PRLPS03 | 755436.361 | 6604699.035 |
| 20 | Groundwater quality monitoring | BHN14PRORA01 | 747158.130 | 6626109.120 |
| 21 | Groundwater quality monitoring | BHN14PRUPS02 | 747152.710 | 6626123.910 |
| 22 | Groundwater quality monitoring | TULPRNAP01 | 774464.070 | 6612048.130 |
| 23 | Groundwater quality monitoring | TULPRDGY02 | 774466.480 | 6612032.980 |
| 24 | Groundwater quality monitoring | BWDMW13D | 753863.300 | 6608108.510 |
| 25 | Groundwater quality monitoring | BWDMW13S | 753864.820 | 6608109.300 |
| 26 | Groundwater quality monitoring | BWDMW12S | 753830.650 | 6608202.740 |
| 27 | Groundwater quality monitoring | BWDMW12D | 753831.910 | 6608203.710 |
| 28 | Groundwater quality monitoring | BWDMW12I | 753832.680 | 6608202.250 |
| 29 | Groundwater quality monitoring | BWDMW2 | 753912.830 | 6608241.350 |
| 30 | Groundwater quality monitoring | BWDMW3 | 753935.870 | 6608254.020 |
| 31 | Groundwater quality monitoring | BWDMW4D | 753980.810 | 6608285.740 |
| 32 | Groundwater quality monitoring | BWDMW4 | 753984.140 | 6608288.040 |
| 33 | Groundwater quality monitoring | BWDMW15S | 753868.090 | 6608258.340 |
| 34 | Groundwater quality monitoring | BWDMW15D | 753867.100 | 6608256.750 |
| 35 | Groundwater quality monitoring | BWDMW16S | 753858.950 | 6608316.490 |
| 36 | Groundwater quality monitoring | BWDMW16D | 753856.980 | 6608315.570 |
| 37 | Groundwater quality monitoring | LWDMW1D | 751387.930 | 6623862.960 |
| 38 | Groundwater quality monitoring | LWDMW1S | 751388.920 | 6623862.460 |
| 39 | Groundwater quality monitoring | LWDMW1I | 751390.640 | 6623861.850 |
| 40 | Groundwater quality monitoring | LWDMW2S | 751102.840 | 6622293.020 |
| 41 | Groundwater quality monitoring | LWDMW2D | 751101.810 | 6622293.150 |
| 42 | Groundwater quality monitoring | LWDMW3D | 751876.160 | 6622163.760 |
| 43 | Groundwater quality monitoring | LWDMW3S | 751876.470 | 6622164.930 |
| 44 | Groundwater level monitoring | DWH8AGMB1 | 765546.740 | 6616987.990 |
| 45 | Groundwater level monitoring | DWH8AGMB2 | 765546.740 | 6616987.990 |

| EPA Identification No. | Monitoring type | Location | Easting | Northing |
|------------------------|--------------------------------|--------------|------------|-------------|
| 46 | Groundwater level monitoring | DWH8AGMB3 | 765546.740 | 6616987.990 |
| 47 | Groundwater level monitoring | BWD28QGUPS01 | 752949.898 | 6604219.732 |
| 48 | Groundwater level monitoring | BWD28QGLPS01 | 752949.898 | 6604219.732 |
| 49 | Groundwater level monitoring | BWD28QGPUR01 | 752949.898 | 6604219.732 |
| 50 | Groundwater quality monitoring | WPKMW01 | 755684.140 | 6638105.310 |
| 51 | Groundwater quality monitoring | WPKMW01D | 755689.750 | 6638097.350 |
| 52 | Groundwater quality monitoring | WPKMW02 | 755671.200 | 6638034.290 |
| 53 | Groundwater quality monitoring | WPKMW04 | 755632.500 | 6637993.070 |
| 54 | Groundwater quality monitoring | WPKMW07 | 755501.160 | 6638207.530 |
| 55 | Groundwater quality monitoring | WPKMW08 | 755634.110 | 6638166.870 |
| 56 | Groundwater quality monitoring | WPKMW09D | 755663.980 | 6637988.200 |
| 57 | Groundwater quality monitoring | WPKMW09S | 755664.400 | 6637990.540 |
| 58 | Groundwater quality monitoring | WPKMW12S | 755456.180 | 6638228.910 |
| 59 | Groundwater quality monitoring | WPKMW13I | 755552.650 | 6638189.560 |
| 60 | Groundwater quality monitoring | WPKMW13S | 755554.880 | 6638189.050 |
| 61 | Groundwater quality monitoring | WPKMW14D | 755364.510 | 6638049.060 |
| 62 | Groundwater quality monitoring | WPKMW14S | 755364.770 | 6638048.260 |
| 63 | Groundwater quality monitoring | WPKMW15D | 755365.480 | 6638233.360 |
| 64 | Groundwater quality monitoring | WPKMW15S | 755365.500 | 6638230.740 |
| 65 | Groundwater quality monitoring | WPKMW16D | 755051.030 | 6637988.500 |
| 66 | Groundwater quality monitoring | WPKMW16S | 755050.530 | 6637986.640 |
| 67 | Groundwater quality monitoring | WPKMW17D | 756151.060 | 6638128.320 |
| 68 | Groundwater quality monitoring | WPKMW17S | 756149.540 | 6638128.050 |
| 69 | Produced water storage dam | BWDPD2 | 753875.870 | 6607995.060 |
| 70 | Produced water storage dam | BWDPD3 | 753992.170 | 6608125.970 |
| 71 | Produced water storage dam | LWDPD1CELL4 | 751473.349 | 6623513.252 |
| 72 | Produced water storage dam | LWDPD1CELL3 | 751460.723 | 6623323.850 |
| 73 | Produced water storage dam | LWDPD1CELL2 | 751428.103 | 6623124.978 |
| 74 | Produced water storage dam | LWDPD1CELL1 | 751390.223 | 6622935.575 |
| 75 | Produced water storage dam | TFDPD1 | 755611.600 | 6638072.850 |
| 76 | Produced water storage dam | TFDPD2 | 755480.110 | 6638099.040 |

TABLE 2: ANALYTES MONITORED, FREQUENCY AND SAMPLING METHOD

| Analyte | Units of measure | Frequency | Sampling method |
|-------------------------|-----------------------------|----------------|-----------------|
| Aluminium | milligrams per litre | Every 6 months | Grab sample |
| Ammonia | milligrams per litre | Every 6 months | Grab sample |
| Arsenic | milligrams per litre | Every 6 months | Grab sample |
| Barium | milligrams per litre | Every 6 months | Grab sample |
| Beryllium | milligrams per litre | Every 6 months | Grab sample |
| Bicarbonate | milligrams per litre | Every 6 months | Grab sample |
| Boron | milligrams per litre | Every 6 months | Grab sample |
| Bromide | milligrams per litre | Every 6 months | Grab sample |
| Cadmium | milligrams per litre | Every 6 months | Grab sample |
| Calcium | milligrams per litre | Every 6 months | Grab sample |
| Carbonate | milligrams per litre | Every 6 months | Grab sample |
| Chloride | milligrams per litre | Every 6 months | Grab sample |
| Chromium | milligrams per litre | Every 6 months | Grab sample |
| Cobalt | milligrams per litre | Every 6 months | Grab sample |
| Copper | milligrams per litre | Every 6 months | Grab sample |
| Dissolved Oxygen | milligrams per litre | Quarterly | In situ |
| Electrical Conductivity | microsiemens per centimetre | Quarterly | In situ |
| Fluoride | milligrams per litre | Every 6 months | Grab sample |
| Iron | milligrams per litre | Every 6 months | Grab sample |
| Lead | milligrams per litre | Every 6 months | Grab sample |
| Magnesium | milligrams per litre | Every 6 months | Grab sample |
| Manganese | milligrams per litre | Every 6 months | Grab sample |
| Mercury | milligrams per litre | Every 6 months | Grab sample |
| Methane | milligrams per litre | Every 6 months | Grab sample |
| Molybdenum | milligrams per litre | Every 6 months | Grab sample |
| Nickel | milligrams per litre | Every 6 months | Grab sample |
| Nitrate | milligrams per litre | Every 6 months | Grab sample |
| Nitrite | milligrams per litre | Every 6 months | Grab sample |
| pH | pH Unit | Quarterly | In situ |
| Potassium | milligrams per litre | Every 6 months | Grab sample |
| Reactive Phosphorus | milligrams per litre | Every 6 months | Grab sample |
| Redox Potential | millivolts | Quarterly | In situ |
| Selenium | milligrams per litre | Every 6 months | Grab sample |
| Sodium | milligrams per litre | Every 6 months | Grab sample |
| Sodium Adsorption Ratio | - | Every 6 months | Grab sample |
| Standing Water Level | metres below ground level | Quarterly | In situ |
| Strontium | milligrams per litre | Every 6 months | Grab sample |
| Sulfate | milligrams per litre | Every 6 months | Grab sample |
| Total Dissolved Solids | milligrams per litre | Every 6 months | Grab sample |
| Total Organic Carbon | milligrams per litre | Every 6 months | Grab sample |
| Total Phosphorus | milligrams per litre | Every 6 months | Grab sample |
| Uranium | milligrams per litre | Every 6 months | Grab sample |
| Vanadium | milligrams per litre | Every 6 months | Grab sample |
| Zinc | milligrams per litre | Every 6 months | Grab sample |

Table 3: Water Monitoring Results 2nd Quarter - August / October 2015

| EPA Identification no. | | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|------------------------------------|---------|--------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| Location | | | BWD27PRORA01 | BWD27PRUPS02 | BWD26PRUPS01 | BWD26PRLPS02 | DWH14PRUPS01 | DWH14PRLPS02 | DWH14PRPUR03 | DWH3PRUPS01 |
| Date Sampled | | | 23/09/2015 | 23/09/2015 | 23/09/2015 | 23/09/2015 | 13/10/2015 | 13/10/2015 | 13/10/2015 | 27/10/2015 |
| Sample obtained | | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sample method | | | DRY WELL | In situ | In situ | In situ | In situ | In situ | In situ | In situ |
| Units | LOR | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT |
| Aluminium | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Ammonia | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Arsenic | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Barium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Beryllium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Bicarbonate | mg/L | 1 | - | - | - | - | - | - | - | - |
| Boron | mg/L | 0.05 | - | - | - | - | - | - | - | - |
| Bromide | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Cadmium | mg/L | 0.0001 | - | - | - | - | - | - | - | - |
| Calcium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Carbonate | mg/L | 1 | - | - | - | - | - | - | - | - |
| Chloride | mg/L | 1 | - | - | - | - | - | - | - | - |
| Chromium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Cobalt | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Copper | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Dissolved Oxygen | mg/L | - | - | 3.46 | 0.36 | 0.29 | 1.84 | 1.55 | 0.61 | 3.31 |
| Electrical Conductivity | µS/cm | - | - | 126 | 70 | 143 | 208 | 195.5 | 406.8 | 112.4 |
| Fluoride | mg/L | 0.1 | - | - | - | - | - | - | - | - |
| Iron | mg/L | 0.05 | - | - | - | - | - | - | - | - |
| Lead | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Magnesium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Manganese | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Mercury | mg/L | 0.0001 | - | - | - | - | - | - | - | - |
| Methane | µg/L | 10 | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Nickel | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Nitrate | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Nitrite | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| pH | pH Unit | - | - | 5.61 | 6 | 6.41 | 5.85 | 5.76 | 10.47 | 5.2 |
| Potassium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Reactive Phosphorus | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Redox Potential | mV | - | - | 160 | -36 | -166 | 172.6 | -8 | 49 | 223.5 |
| Selenium | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Sodium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Sodium Adsorption Ratio (Storages) | - | 0.01 | - | - | - | - | - | - | - | - |
| Standing Water Level | mbgl | - | - | 38.72 | 29.17 | 28.67 | 53.21 | 53.99 | 53.3 | 67.32 |
| Strontium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Sulfate | mg/L | 1 | - | - | - | - | - | - | - | - |
| Total Dissolved Solids | mg/L | 10 | - | - | - | - | - | - | - | - |
| Total Organic Carbon (Storages) | mg/L | 1 | - | - | - | - | - | - | - | - |
| Total Phosphorus (Storages) | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Uranium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Vanadium | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Zinc | mg/L | 0.005 | - | - | - | - | - | - | - | - |

| | EPA Identification no. | | 15 | 16 | 17 | 18 | 20 | 21 | 22 | 23 |
|------------------------------------|------------------------|---------|-------------|------------|------------|--------------|--------------|--------------|------------|------------|
| | Location | | DWH3PRLPS02 | NYOPRORA01 | NYOPRUPS02 | BWD27PRLPS03 | BHN14PRORA01 | BHN14PRUPS02 | TULPRNAP01 | TULPRDGY02 |
| | Date Sampled | | 27/10/2015 | 20/10/2015 | 20/10/2015 | 23/09/2015 | 7/10/2015 | 7/10/2015 | 22/09/2015 | 22/09/2015 |
| | Sample obtained | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sample method | | In situ | In situ | In situ | In situ | In situ | In situ | In situ | In situ | |
| | Units | LOR | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT |
| Aluminium | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Ammonia | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Arsenic | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Barium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Beryllium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Bicarbonate | mg/L | 1 | - | - | - | - | - | - | - | - |
| Boron | mg/L | 0.05 | - | - | - | - | - | - | - | - |
| Bromide | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Cadmium | mg/L | 0.0001 | - | - | - | - | - | - | - | - |
| Calcium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Carbonate | mg/L | 1 | - | - | - | - | - | - | - | - |
| Chloride | mg/L | 1 | - | - | - | - | - | - | - | - |
| Chromium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Cobalt | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Copper | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Dissolved Oxygen | mg/L | - | 0.53 | 0.09 | 1.58 | 1.1 | 0.29 | 0.35 | 0.86 | 0.15 |
| Electrical Conductivity | µS/cm | - | 136.8 | 1263 | 1232 | 186 | 490.1 | 478.8 | 6218 | 9270 |
| Fluoride | mg/L | 0.1 | - | - | - | - | - | - | - | - |
| Iron | mg/L | 0.05 | - | - | - | - | - | - | - | - |
| Lead | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Magnesium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Manganese | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Mercury | mg/L | 0.0001 | - | - | - | - | - | - | - | - |
| Methane | µg/L | 10 | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Nickel | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Nitrate | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Nitrite | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| pH | pH Unit | - | 5.65 | 8.12 | 8.36 | 5.77 | 7.21 | 7.1 | 6.86 | 12.81 |
| Potassium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Reactive Phosphorus | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Redox Potential | mV | - | 163.5 | -235.9 | -226.9 | 73 | -139.6 | -119.9 | -82 | -130 |
| Selenium | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Sodium | mg/L | 1 | - | - | - | - | - | - | - | - |
| Sodium Adsorption Ratio (Storages) | - | 0.01 | - | - | - | - | - | - | - | - |
| Standing Water Level | mbgl | - | 67.56 | 0.58 | 0 | 38.19 | 26.43 | 15.17 | 103.57 | 77.83 |
| Strontium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Sulfate | mg/L | 1 | - | - | - | - | - | - | - | - |
| Total Dissolved Solids | mg/L | 10 | - | - | - | - | - | - | - | - |
| Total Organic Carbon (Storages) | mg/L | 1 | - | - | - | - | - | - | - | - |
| Total Phosphorus (Storages) | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Uranium | mg/L | 0.001 | - | - | - | - | - | - | - | - |
| Vanadium | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Zinc | mg/L | 0.005 | - | - | - | - | - | - | - | - |

| EPA Identification no. | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|------------------------------------|---------|--------|-----------|-----------|------------|------------|------------|-----------|-----------|-----------|
| Location | | | BWDMW13D | BWDMW13S | BWDMW12S | BWDMW12D | BWDMW12I | BWDMW2 | BWDMW3 | BWDMW4D |
| Date Sampled | | | 9/09/2015 | 8/09/2015 | 15/09/2015 | 15/09/2015 | 15/09/2015 | 8/09/2015 | 8/09/2015 | 9/09/2015 |
| Sample obtained | | | Yes | No | No | Yes | Yes | No | Yes | Yes |
| Sample method | | | Grab | DRY WELL | DRY WELL | Grab | Grab | DRY WELL | Grab | Grab |
| Units | | | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT |
| LOR | | | | | | | | | | |
| Aluminium | mg/L | 0.01 | 0.02 | - | - | < 0.01 | 0.02 | - | < 0.01 | 0.05 |
| Ammonia | mg/L | 0.01 | 0.03 | - | - | 0.01 | 0.03 | - | 0.23 | 0.07 |
| Arsenic | mg/L | 0.001 | < 0.001 | - | - | < 0.001 | 0.002 | - | < 0.001 | < 0.001 |
| Barium | mg/L | 0.001 | 0.643 | - | - | 3.68 | 11.5 | - | 0.152 | 0.077 |
| Beryllium | mg/L | 0.001 | < 0.001 | - | - | < 0.001 | < 0.001 | - | < 0.001 | < 0.001 |
| Bicarbonate | mg/L | 1 | 41 | - | - | 4620 | 8900 | - | 38 | 88 |
| Boron | mg/L | 0.05 | < 0.05 | - | - | < 0.05 | < 0.05 | - | < 0.05 | < 0.05 |
| Bromide | mg/L | 0.01 | 1.04 | - | - | 5.74 | 12.2 | - | 0.661 | 0.179 |
| Cadmium | mg/L | 0.0001 | 0.0002 | - | - | < 0.0001 | < 0.0001 | - | < 0.0001 | < 0.0001 |
| Calcium | mg/L | 1 | 12 | - | - | 37 | 6 | - | 4 | 4 |
| Carbonate | mg/L | 1 | < 1 | - | - | < 1 | < 1 | - | < 1 | < 1 |
| Chloride | mg/L | 1 | 377 | - | - | 1100 | 1930 | - | 184 | 49 |
| Chromium | mg/L | 0.001 | < 0.001 | - | - | < 0.001 | 0.001 | - | < 0.001 | < 0.001 |
| Cobalt | mg/L | 0.001 | 0.014 | - | - | 0.001 | 0.009 | - | 0.002 | < 0.001 |
| Copper | mg/L | 0.001 | 0.005 | - | - | 0.003 | 0.002 | - | 0.001 | 0.001 |
| Dissolved Oxygen | mg/L | - | 2.16 | - | - | 3 | 2.38 | - | 4.63 | 3.85 |
| Electrical Conductivity | µS/cm | - | 1268 | - | - | 9712 | 16577 | - | 741 | 357.8 |
| Fluoride | mg/L | 0.1 | < 0.1 | - | - | 1.1 | 1 | - | < 0.1 | 0.2 |
| Iron | mg/L | 0.05 | < 0.05 | - | - | < 0.05 | < 0.05 | - | 0.16 | < 0.05 |
| Lead | mg/L | 0.001 | < 0.001 | - | - | < 0.001 | < 0.001 | - | < 0.001 | < 0.001 |
| Magnesium | mg/L | 1 | 46 | - | - | 448 | 757 | - | 13 | 5 |
| Manganese | mg/L | 0.001 | 0.121 | - | - | 0.008 | 0.014 | - | 0.131 | 0.002 |
| Mercury | mg/L | 0.0001 | < 0.0001 | - | - | < 0.0001 | < 0.0001 | - | < 0.0001 | < 0.0001 |
| Methane | µg/L | 10 | < 10 | - | - | < 10 | < 10 | - | 59 | < 10 |
| Molybdenum | mg/L | 0.001 | < 0.001 | - | - | 0.003 | 0.006 | - | < 0.001 | < 0.001 |
| Nickel | mg/L | 0.001 | 0.01 | - | - | 0.002 | 0.004 | - | 0.024 | 0.001 |
| Nitrate | mg/L | 0.01 | 0.2 | - | - | 0.13 | 0.82 | - | 0.24 | 0.22 |
| Nitrite | mg/L | 0.01 | < 0.01 | - | - | < 0.01 | 0.02 | - | < 0.01 | < 0.01 |
| pH | pH Unit | - | 5.29 | - | - | 7.11 | 7.15 | - | 5.4 | 6.2 |
| Potassium | mg/L | 1 | 18 | - | - | 45 | 56 | - | 10 | 7 |
| Reactive Phosphorus | mg/L | 0.01 | < 0.01 | - | - | < 0.01 | 0.24 | - | < 0.01 | < 0.01 |
| Redox Potential | mV | - | 183.3 | - | - | 118.9 | 126.8 | - | 118.4 | 148.8 |
| Selenium | mg/L | 0.01 | < 0.01 | - | - | < 0.01 | < 0.01 | - | < 0.01 | < 0.01 |
| Sodium | mg/L | 1 | 150 | - | - | 1900 | 3570 | - | 122 | 59 |
| Sodium Adsorption Ratio (Storages) | - | 0.01 | - | - | - | - | - | - | - | - |
| Standing Water Level | mbgl | - | 30.24 | - | - | 30.48 | 19.79 | - | 30.51 | 29.98 |
| Strontium | mg/L | 0.001 | 0.149 | - | - | 1.21 | 0.471 | - | 0.066 | 0.018 |
| Sulfate | mg/L | 1 | 7 | - | - | 31 | < 1 | - | 31 | 17 |
| Total Dissolved Solids | mg/L | 10 | 722 | - | - | 4880 | 11700 | - | 496 | 763 |
| Total Organic Carbon (Storages) | mg/L | 1 | - | - | - | - | - | - | - | - |
| Total Phosphorus (Storages) | mg/L | 0.01 | - | - | - | - | - | - | - | - |
| Uranium | mg/L | 0.001 | < 0.001 | - | - | 0.091 | 0.236 | - | < 0.001 | < 0.001 |
| Vanadium | mg/L | 0.01 | < 0.01 | - | - | 0.01 | 0.05 | - | < 0.01 | < 0.01 |
| Zinc | mg/L | 0.005 | 0.056 | - | - | 0.019 | 0.011 | - | 0.026 | 0.007 |

| | EPA Identification no. | | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
|------------------------------------|------------------------|----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|
| | Location | | BWDMW4 | BWDMW15S | BWDMW15D | BWDMW16S | BWDMW16D | LWDMW1D | LWDMW1S | LWDMW1I |
| | Date Sampled | | 8/09/2015 | 14/09/2015 | 15/09/2015 | 14/09/2015 | 15/09/2015 | 7/09/2015 | 7/09/2015 | 7/09/2015 |
| | Sample obtained | | No | - | Yes | No | Yes | Yes | No | No |
| Sample method | | DRY WELL | DRY | Grab | DRY WELL | Grab | Grab | DRY WELL | DRY WELL | |
| Units | | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | |
| LOR | | | | | | | | | | |
| Aluminium | mg/L | 0.01 | - | 0.03 | - | 0.08 | < 0.01 | - | - | |
| Ammonia | mg/L | 0.01 | - | 0.01 | - | 0.86 | 0.17 | - | - | |
| Arsenic | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | 0.001 | - | - | |
| Barium | mg/L | 0.001 | - | 0.045 | - | 0.07 | 0.334 | - | - | |
| Beryllium | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | < 0.001 | - | - | |
| Bicarbonate | mg/L | 1 | - | 25 | - | 13 | 181 | - | - | |
| Boron | mg/L | 0.05 | - | < 0.05 | - | < 0.05 | 0.12 | - | - | |
| Bromide | mg/L | 0.01 | - | 0.227 | - | 0.223 | 1.34 | - | - | |
| Cadmium | mg/L | 0.0001 | - | < 0.0001 | - | < 0.0001 | < 0.0001 | - | - | |
| Calcium | mg/L | 1 | - | 3 | - | 1 | 6 | - | - | |
| Carbonate | mg/L | 1 | - | < 1 | - | < 1 | < 1 | - | - | |
| Chloride | mg/L | 1 | - | 86 | - | 93 | 529 | - | - | |
| Chromium | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | < 0.001 | - | - | |
| Cobalt | mg/L | 0.001 | - | < 0.001 | - | 0.001 | < 0.001 | - | - | |
| Copper | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | 0.003 | - | - | |
| Dissolved Oxygen | mg/L | - | - | 4.56 | - | 3.6 | 0.21 | - | - | |
| Electrical Conductivity | µS/cm | - | - | 421.7 | - | 388.5 | 2173 | - | - | |
| Fluoride | mg/L | 0.1 | - | 0.1 | - | < 0.1 | 0.4 | - | - | |
| Iron | mg/L | 0.05 | - | < 0.05 | - | < 0.05 | 0.24 | - | - | |
| Lead | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | < 0.001 | - | - | |
| Magnesium | mg/L | 1 | - | 6 | - | 3 | 11 | - | - | |
| Manganese | mg/L | 0.001 | - | 0.026 | - | 0.031 | 0.026 | - | - | |
| Mercury | mg/L | 0.0001 | - | < 0.0001 | - | < 0.0001 | < 0.0001 | - | - | |
| Methane | µg/L | 10 | - | < 10 | - | < 10 | < 10 | - | - | |
| Molybdenum | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | 0.001 | - | - | |
| Nickel | mg/L | 0.001 | - | < 0.001 | - | 0.001 | 0.01 | - | - | |
| Nitrate | mg/L | 0.01 | - | 0.27 | - | 0.24 | 0.18 | - | - | |
| Nitrite | mg/L | 0.01 | - | < 0.01 | - | < 0.01 | < 0.01 | - | - | |
| pH | pH Unit | - | - | 5.98 | - | 6.07 | 7.06 | - | - | |
| Potassium | mg/L | 1 | - | 7 | - | 6 | 11 | - | - | |
| Reactive Phosphorus | mg/L | 0.01 | - | 0.01 | - | 0.02 | 0.07 | - | - | |
| Redox Potential | mV | - | - | 157.2 | - | 143.9 | 138.8 | - | - | |
| Selenium | mg/L | 0.01 | - | < 0.01 | - | < 0.01 | < 0.01 | - | - | |
| Sodium | mg/L | 1 | - | 70 | - | 60 | 384 | - | - | |
| Sodium Adsorption Ratio (Storages) | - | 0.01 | - | - | - | - | - | - | - | |
| Standing Water Level | mbgl | - | - | 30 | - | 29.85 | 29.94 | - | - | |
| Strontium | mg/L | 0.001 | - | 0.022 | - | 0.013 | 0.115 | - | - | |
| Sulfate | mg/L | 1 | - | 33 | - | 2 | 17 | - | - | |
| Total Dissolved Solids | mg/L | 10 | - | 340 | - | 775 | 1390 | - | - | |
| Total Organic Carbon (Storages) | mg/L | 1 | - | - | - | - | - | - | - | |
| Total Phosphorus (Storages) | mg/L | 0.01 | - | - | - | - | - | - | - | |
| Uranium | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | < 0.001 | - | - | |
| Vanadium | mg/L | 0.01 | - | < 0.01 | - | < 0.01 | < 0.01 | - | - | |
| Zinc | mg/L | 0.005 | - | 0.017 | - | 0.022 | < 0.005 | - | - | |

| EPA Identification no. | 40 | 41 | 42 | 43 | 50 | 51 | 52 | 54 | | | |
|------------------------------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|----------|---------|---------|
| Location | LWDMW2S | LWDMW2D | LWDMW3D | LWDMW3S | WPKMW1 | WPKMW1D | WPKMW2 | WPKMW4 | | | |
| Date Sampled | 7/09/2015 | 8/09/2015 | 8/09/2015 | 8/09/2015 | 21/09/2015 | 21/09/2015 | 30/09/2015 | 30/09/2015 | | | |
| Sample obtained | No | Yes | Yes | No | Yes | Yes | Yes | Yes | | | |
| Sample method | DRY WELL | Grab | Grab | DRY WELL | Grab | Grab | Grab | Grab | | | |
| Units | LOR | | | | | | | | | | |
| | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | | | |
| Aluminium | mg/L | 0.01 | - | < 0.01 | - | 0.06 | 0.08 | < 0.01 | 0.02 | | |
| Ammonia | mg/L | 0.01 | - | 0.01 | - | 0.04 | 0.17 | 0.04 | < 0.01 | | |
| Arsenic | mg/L | 0.001 | - | 0.002 | - | 0.003 | 0.006 | 0.003 | 0.004 | | |
| Barium | mg/L | 0.001 | - | 0.357 | - | 0.018 | 0.124 | 0.049 | 0.019 | | |
| Beryllium | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 | < 0.001 | | |
| Bicarbonate | mg/L | 1 | - | 255 | - | 564 | 519 | 1130 | 804 | | |
| Boron | mg/L | 0.05 | - | 0.12 | - | 0.21 | 0.19 | 0.28 | 0.3 | | |
| Bromide | mg/L | 0.01 | - | 0.852 | - | 0.292 | 0.195 | 1.51 | 0.713 | | |
| Cadmium | mg/L | 0.0001 | - | 0.0002 | - | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | | |
| Calcium | mg/L | 1 | - | 16 | - | 2 | 7 | 5 | 2 | | |
| Carbonate | mg/L | 1 | - | < 1 | - | 13 | 7 | < 1 | 31 | | |
| Chloride | mg/L | 1 | - | 431 | - | 82 | 50 | 395 | 191 | | |
| Chromium | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 | < 0.001 | | |
| Cobalt | mg/L | 0.001 | - | 0.001 | - | < 0.001 | < 0.001 | < 0.001 | < 0.001 | | |
| Copper | mg/L | 0.001 | - | 0.001 | - | < 0.001 | < 0.001 | 0.006 | < 0.001 | | |
| Dissolved Oxygen | mg/L | - | - | 2.11 | - | 0.57 | 0.09 | 0.73 | 0 | | |
| Electrical Conductivity | µS/cm | - | - | 1950 | - | 1397 | 1196 | 3244 | 2090 | | |
| Fluoride | mg/L | 0.1 | - | 0.4 | - | 0.8 | 0.8 | 0.7 | 1.2 | | |
| Iron | mg/L | 0.05 | - | < 0.05 | - | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | |
| Lead | mg/L | 0.001 | - | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 | < 0.002 | | |
| Magnesium | mg/L | 1 | - | 23 | - | < 1 | 2 | 2 | < 1 | | |
| Manganese | mg/L | 0.001 | - | 0.111 | - | 0.046 | 0.106 | 0.014 | 0.004 | | |
| Mercury | mg/L | 0.0001 | - | < 0.0001 | - | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | | |
| Methane | µg/L | 10 | - | < 10 | - | < 10 | 44 | < 10 | < 10 | | |
| Molybdenum | mg/L | 0.001 | - | 0.004 | - | 0.001 | < 0.001 | 0.004 | 0.003 | | |
| Nickel | mg/L | 0.001 | - | 0.001 | - | 0.021 | 0.004 | 0.009 | 0.002 | | |
| Nitrate | mg/L | 0.01 | - | 0.06 | - | < 0.01 | < 0.01 | 0.03 | 0.02 | | |
| Nitrite | mg/L | 0.01 | - | < 0.01 | - | < 0.01 | < 0.01 | < 0.01 | < 0.01 | | |
| pH | pH Unit | - | - | 6.69 | - | 6.45 | 8.08 | 8.05 | 7.85 | 8.28 | |
| Potassium | mg/L | 1 | - | 25 | - | 10 | 3 | 3 | 9 | 5 | |
| Reactive Phosphorus | mg/L | 0.01 | - | 0.13 | - | 0.22 | 0.52 | 0.13 | 0.63 | 0.76 | |
| Redox Potential | mV | - | - | 163.8 | - | -119.1 | 85.2 | -41.2 | 78.8 | 37 | |
| Selenium | mg/L | 0.01 | - | < 0.01 | - | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | |
| Sodium | mg/L | 1 | - | 355 | - | 205 | 339 | 289 | 868 | 539 | |
| Sodium Adsorption Ratio (Storages) | - | 0.01 | - | - | - | - | - | - | - | - | |
| Standing Water Level | mbgl | - | - | 25.94 | - | 21.22 | - | 16.12 | 15.76 | 15.24 | 15.9 |
| Strontium | mg/L | 0.001 | - | 0.269 | - | 0.032 | - | 0.03 | 0.064 | 0.071 | 0.031 |
| Sulfate | mg/L | 1 | - | 37 | - | 11 | - | < 1 | < 1 | < 1 | < 1 |
| Total Dissolved Solids | mg/L | 10 | - | 1080 | - | 499 | - | 964 | 738 | 1770 | 1280 |
| Total Organic Carbon (Storages) | mg/L | 1 | - | - | - | - | - | - | - | - | - |
| Total Phosphorus (Storages) | mg/L | 0.01 | - | - | - | - | - | - | - | - | - |
| Uranium | mg/L | 0.001 | - | 0.003 | - | < 0.001 | - | < 0.001 | < 0.001 | 0.003 | 0.002 |
| Vanadium | mg/L | 0.01 | - | < 0.01 | - | < 0.01 | - | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Zinc | mg/L | 0.005 | - | 0.008 | - | 0.01 | - | < 0.005 | < 0.005 | < 0.005 | < 0.005 |

| EPA Identification no. | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 |
|------------------------------------|-------------|------------|------------|------------|------------|------------|------------|------------|
| Location | WPKMW8 | WPKMW9D | WPKMW9S | WPKMW12S | WPKMW13I | WPKMW13S | WPKMW14D | WPKMW14S |
| Date Sampled | 30/09/2015 | 30/09/2015 | 30/09/2015 | 30/09/2015 | 30/09/2015 | 30/09/2015 | 30/09/2015 | 30/09/2015 |
| Sample obtained | Yes | Yes | Yes | No | Yes | Yes | Yes | No |
| Sample method | Grab | Grab | Grab | DRY WELL | Grab | Grab | Grab | DRY WELL |
| Units | LOR | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT |
| Aluminium | mg/L 0.01 | < 0.01 | 0.03 | < 0.01 | - | 0.35 | < 0.01 | < 0.01 |
| Ammonia | mg/L 0.01 | 0.04 | 0.09 | 0.04 | - | 0.07 | 0.03 | 0.2 |
| Arsenic | mg/L 0.001 | 0.001 | 0.006 | 0.003 | - | 0.001 | 0.001 | 0.002 |
| Barium | mg/L 0.001 | 0.034 | 0.131 | 0.264 | - | 0.038 | 0.054 | 0.311 |
| Beryllium | mg/L 0.001 | < 0.001 | < 0.001 | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 |
| Bicarbonate | mg/L 1 | 872 | 544 | 1750 | - | 546 | 1170 | 545 |
| Boron | mg/L 0.05 | 0.28 | 0.22 | 0.38 | - | 0.22 | 0.36 | 0.21 |
| Bromide | mg/L 0.01 | 0.976 | 0.252 | 1.66 | - | 0.261 | 1.52 | 0.241 |
| Cadmium | mg/L 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | - | < 0.0001 | < 0.0001 | < 0.0001 |
| Calcium | mg/L 1 | 4 | 5 | 8 | - | 3 | 3 | 8 |
| Carbonate | mg/L 1 | < 1 | 16 | < 1 | - | 15 | < 1 | < 1 |
| Chloride | mg/L 1 | 270 | 56 | 435 | - | 61 | 393 | 55 |
| Chromium | mg/L 0.001 | < 0.001 | < 0.001 | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 |
| Cobalt | mg/L 0.001 | < 0.001 | < 0.001 | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 |
| Copper | mg/L 0.001 | < 0.001 | < 0.001 | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 |
| Dissolved Oxygen | mg/L - | 2.56 | 1.13 | 2.05 | - | 0 | 1.32 | 0.84 |
| Electrical Conductivity | µS/cm - | 2398 | 1214 | 4777 | - | 1249 | 3245 | 1184 |
| Fluoride | mg/L 0.1 | 0.6 | 0.9 | 0.9 | - | 0.9 | 0.6 | 0.7 |
| Iron | mg/L 0.05 | < 0.05 | < 0.05 | < 0.05 | - | 0.16 | < 0.05 | < 0.05 |
| Lead | mg/L 0.001 | < 0.001 | < 0.001 | < 0.001 | - | < 0.001 | < 0.001 | < 0.001 |
| Magnesium | mg/L 1 | 1 | 1 | 4 | - | < 1 | 1 | 2 |
| Manganese | mg/L 0.001 | 0.001 | 0.232 | 0.036 | - | 0.022 | 0.002 | 0.035 |
| Mercury | mg/L 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | - | < 0.0001 | < 0.0001 | < 0.0001 |
| Methane | µg/L 10 | < 10 | 29 | < 10 | - | < 10 | < 10 | < 10 |
| Molybdenum | mg/L 0.001 | 0.002 | 0.002 | 0.004 | - | < 0.001 | 0.007 | 0.003 |
| Nickel | mg/L 0.001 | < 0.001 | 0.01 | < 0.001 | - | 0.002 | < 0.001 | 0.01 |
| Nitrate | mg/L 0.01 | 0.43 | < 0.01 | 0.2 | - | 0.08 | 0.02 | < 0.01 |
| Nitrite | mg/L 0.01 | < 0.01 | < 0.01 | < 0.01 | - | < 0.01 | < 0.01 | < 0.01 |
| pH | pH Unit - | 7.62 | 8.22 | 7.91 | - | 8.26 | 7.39 | 8.05 |
| Potassium | mg/L 1 | 8 | 4 | 12 | - | 4 | 12 | 5 |
| Reactive Phosphorus | mg/L 0.01 | 0.37 | 0.28 | 0.4 | - | 0.29 | 0.29 | 0.19 |
| Redox Potential | mV - | 43.7 | -135.4 | 97.7 | - | -15.1 | 32.5 | -82.8 |
| Selenium | mg/L 0.01 | < 0.01 | < 0.01 | < 0.01 | - | < 0.01 | < 0.01 | 0.01 |
| Sodium | mg/L 1 | 641 | 320 | 1230 | - | 325 | 914 | 302 |
| Sodium Adsorption Ratio (Storages) | - 0.01 | - | - | - | - | - | - | - |
| Standing Water Level | mbgl - | 16.61 | 15.45 | 15.64 | - | 16.6 | 16.94 | 20.89 |
| Strontium | mg/L 0.001 | 0.045 | 0.077 | 0.134 | - | 0.018 | 0.034 | 0.047 |
| Sulfate | mg/L 1 | < 1 | < 1 | 203 | - | < 1 | < 1 | 2 |
| Total Dissolved Solids | mg/L 10 | 2050 | 760 | 3020 | - | 919 | 2160 | 662 |
| Total Organic Carbon (Storages) | mg/L 1 | - | - | - | - | - | - | - |
| Total Phosphorus (Storages) | mg/L 0.01 | - | - | - | - | - | - | - |
| Uranium | mg/L 0.001 | 0.002 | < 0.001 | 0.009 | - | < 0.001 | 0.002 | < 0.001 |
| Vanadium | mg/L 0.01 | < 0.01 | < 0.01 | 0.01 | - | < 0.01 | < 0.01 | < 0.01 |
| Zinc | mg/L 0.005 | < 0.005 | < 0.005 | < 0.005 | - | 0.008 | < 0.005 | < 0.005 |

| EPA Identification no. | Location | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|------------------------------------|------------|------------|------------|------------|------------|------------|-----------------|-----------------|-----------------|
| | WPKMW15D | WPKMW15S | WPKMW16D | WPKMW16S | WPKMW17D | WPKMW17S | BWDPD2 | BWDPD3 | |
| Date Sampled | 16/09/2015 | 16/09/2015 | 16/09/2015 | 16/09/2015 | 16/09/2015 | 16/09/2015 | 16/09/2015 | 7/09/2015 | 7/09/2015 |
| Sample obtained | Yes | No | Yes | No | Yes | No | No | No | No |
| Sample method | Grab | DRY WELL | Grab | DRY WELL | Grab | DRY WELL | Not operational | Not operational | Not operational |
| Units | LOR | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT |
| Aluminium | mg/L | 0.01 | < 0.01 | - | 0.01 | - | 0.04 | - | - |
| Ammonia | mg/L | 0.01 | 0.09 | - | 0.09 | - | 0.06 | - | - |
| Arsenic | mg/L | 0.001 | 0.004 | - | 0.003 | - | 0.003 | - | - |
| Barium | mg/L | 0.001 | 0.214 | - | 0.167 | - | 0.119 | - | - |
| Beryllium | mg/L | 0.001 | < 0.001 | - | < 0.001 | - | < 0.001 | - | - |
| Bicarbonate | mg/L | 1 | 603 | - | 501 | - | 486 | - | - |
| Boron | mg/L | 0.05 | 0.19 | - | 0.08 | - | < 0.05 | - | - |
| Bromide | mg/L | 0.01 | 0.225 | - | 0.239 | - | 0.2 | - | - |
| Cadmium | mg/L | 0.0001 | < 0.0001 | - | < 0.0001 | - | < 0.0001 | - | - |
| Calcium | mg/L | 1 | 7 | - | 7 | - | 3 | - | - |
| Carbonate | mg/L | 1 | 8 | - | 40 | - | 8 | - | - |
| Chloride | mg/L | 1 | 66 | - | 67 | - | 59 | - | - |
| Chromium | mg/L | 0.001 | < 0.001 | - | < 0.001 | - | < 0.001 | - | - |
| Cobalt | mg/L | 0.001 | < 0.001 | - | < 0.001 | - | < 0.001 | - | - |
| Copper | mg/L | 0.001 | < 0.001 | - | 0.003 | - | < 0.001 | - | - |
| Dissolved Oxygen | mg/L | - | 1.25 | - | 0.25 | - | 0.1 | - | - |
| Electrical Conductivity | µS/cm | - | 1370 | - | 1265 | - | 1118 | - | - |
| Fluoride | mg/L | 0.1 | 0.5 | - | 0.6 | - | 0.9 | - | - |
| Iron | mg/L | 0.05 | 0.1 | - | < 0.05 | - | < 0.05 | - | - |
| Lead | mg/L | 0.001 | < 0.001 | - | < 0.001 | - | < 0.001 | - | - |
| Magnesium | mg/L | 1 | 2 | - | 2 | - | < 1 | - | - |
| Manganese | mg/L | 0.001 | 0.109 | - | 0.033 | - | 0.06 | - | - |
| Mercury | mg/L | 0.0001 | < 0.0001 | - | < 0.0001 | - | < 0.0001 | - | - |
| Methane | µg/L | 10 | 59 | - | < 10 | - | < 10 | - | - |
| Molybdenum | mg/L | 0.001 | 0.009 | - | 0.007 | - | 0.008 | - | - |
| Nickel | mg/L | 0.001 | 0.009 | - | 0.006 | - | 0.005 | - | - |
| Nitrate | mg/L | 0.01 | 0.05 | - | < 0.01 | - | 2.91 | - | - |
| Nitrite | mg/L | 0.01 | < 0.01 | - | < 0.01 | - | < 0.01 | - | - |
| pH | pH Unit | - | 7.83 | - | 8.24 | - | 7.57 | - | - |
| Potassium | mg/L | 1 | 8 | - | 11 | - | 6 | - | - |
| Reactive Phosphorus | mg/L | 0.01 | 0.29 | - | 0.28 | - | 0.1 | - | - |
| Redox Potential | mV | - | -139.9 | - | -34.7 | - | -19.7 | - | - |
| Selenium | mg/L | 0.01 | < 0.01 | - | < 0.01 | - | < 0.01 | - | - |
| Sodium | mg/L | 1 | 335 | - | 323 | - | 296 | - | - |
| Sodium Adsorption Ratio (Storages) | - | 0.01 | - | - | - | - | - | - | - |
| Standing Water Level | mbgl | - | 22.19 | - | 26.37 | - | 18.25 | - | - |
| Strontium | mg/L | 0.001 | 0.092 | - | 0.054 | - | 0.021 | - | - |
| Sulfate | mg/L | 1 | 14 | - | 18 | - | < 1 | - | - |
| Total Dissolved Solids | mg/L | 10 | 657 | - | 580 | - | 634 | - | - |
| Total Organic Carbon (Storages) | mg/L | 1 | - | - | - | - | - | - | - |
| Total Phosphorus (Storages) | mg/L | 0.01 | - | - | - | - | - | - | - |
| Uranium | mg/L | 0.001 | 0.002 | - | 0.006 | - | 0.002 | - | - |
| Vanadium | mg/L | 0.01 | < 0.01 | - | < 0.01 | - | < 0.01 | - | - |
| Zinc | mg/L | 0.005 | 0.006 | - | 0.013 | - | 0.006 | - | - |

| | EPA Identification no. | | 71 | 72 | 73 | 74 | 75 | 76 |
|------------------------------------|------------------------|---------|-------------|-------------|-------------|-------------|-----------------|------------|
| | Location | | LWDPD1CELL4 | LWDPD1CELL3 | LWDPD1CELL2 | LWDPD1CELL1 | TFDPD1 | TFDPD2 |
| | Date Sampled | | 8/09/2015 | 8/09/2015 | 8/09/2015 | 8/09/2015 | 29/09/2015 | 29/09/2015 |
| | Sample obtained | | Yes | Yes | Yes | Yes | Yes | No |
| Sample method | | In situ | In situ | In situ | In situ | In situ | Not operational | |
| | Units | LOR | RESULT | RESULT | RESULT | RESULT | RESULT | RESULT |
| Aluminium | mg/L | 0.01 | - | - | - | - | - | - |
| Ammonia | mg/L | 0.01 | - | - | - | - | - | - |
| Arsenic | mg/L | 0.001 | - | - | - | - | - | - |
| Barium | mg/L | 0.001 | - | - | - | - | - | - |
| Beryllium | mg/L | 0.001 | - | - | - | - | - | - |
| Bicarbonate | mg/L | 1 | - | - | - | - | - | - |
| Boron | mg/L | 0.05 | - | - | - | - | - | - |
| Bromide | mg/L | 0.01 | - | - | - | - | - | - |
| Cadmium | mg/L | 0.0001 | - | - | - | - | - | - |
| Calcium | mg/L | 1 | - | - | - | - | - | - |
| Carbonate | mg/L | 1 | - | - | - | - | - | - |
| Chloride | mg/L | 1 | - | - | - | - | - | - |
| Chromium | mg/L | 0.001 | - | - | - | - | - | - |
| Cobalt | mg/L | 0.001 | - | - | - | - | - | - |
| Copper | mg/L | 0.001 | - | - | - | - | - | - |
| Dissolved Oxygen | mg/L | - | 7.22 | 6.8 | 7.42 | 8.55 | 10.11 | - |
| Electrical Conductivity | µS/cm | - | 17443 | 21060 | 20519 | 52401 | 25826 | - |
| Fluoride | mg/L | 0.1 | - | - | - | - | - | - |
| Iron | mg/L | 0.05 | - | - | - | - | - | - |
| Lead | mg/L | 0.001 | - | - | - | - | - | - |
| Magnesium | mg/L | 1 | - | - | - | - | - | - |
| Manganese | mg/L | 0.001 | - | - | - | - | - | - |
| Mercury | mg/L | 0.0001 | - | - | - | - | - | - |
| Methane | µg/L | 10 | - | - | - | - | - | - |
| Molybdenum | mg/L | 0.001 | - | - | - | - | - | - |
| Nickel | mg/L | 0.001 | - | - | - | - | - | - |
| Nitrate | mg/L | 0.01 | - | - | - | - | - | - |
| Nitrite | mg/L | 0.01 | - | - | - | - | - | - |
| pH | pH Unit | - | 8.8 | 9.36 | 9.36 | 9.7 | 9.52 | - |
| Potassium | mg/L | 1 | - | - | - | - | - | - |
| Reactive Phosphorus | mg/L | 0.01 | - | - | - | - | - | - |
| Redox Potential | mV | - | 38 | 35.4 | 18.2 | 29.2 | 129.3 | - |
| Selenium | mg/L | 0.01 | - | - | - | - | - | - |
| Sodium | mg/L | 1 | - | - | - | - | - | - |
| Sodium Adsorption Ratio (Storages) | - | 0.01 | - | - | - | - | - | - |
| Standing Water Level | mbgl | - | - | - | - | - | - | - |
| Strontium | mg/L | 0.001 | - | - | - | - | - | - |
| Sulfate | mg/L | 1 | - | - | - | - | - | - |
| Total Dissolved Solids | mg/L | 10 | - | - | - | - | - | - |
| Total Organic Carbon (Storages) | mg/L | 1 | - | - | - | - | - | - |
| Total Phosphorus (Storages) | mg/L | 0.01 | - | - | - | - | - | - |
| Uranium | mg/L | 0.001 | - | - | - | - | - | - |
| Vanadium | mg/L | 0.01 | - | - | - | - | - | - |
| Zinc | mg/L | 0.005 | - | - | - | - | - | - |

TABLE 4: GROUNDWATER LEVEL RESULTS FOR 2nd QUARTER - AUGUST / OCTOBER 2015

| EPA Identification no. | Analyte | Unit | Number of samples required | Number of samples collected | Lowest sample value | Mean of sample | Highest sample value |
|------------------------|----------------------|--------|----------------------------|-----------------------------|---------------------|----------------|----------------------|
| 44 | Standing Water Level | Metres | Continuous | Continuous | -36.07 | -35.81 | -35.55 |
| 45 | Standing Water Level | Metres | Continuous | Continuous | 19.47 | 19.71 | 20.09 |
| 46 | Standing Water Level | Metres | Continuous | Continuous | -69.59 | -66.40 | -62.48 |
| 47 | Standing Water Level | Metres | Continuous | Continuous | 11.88 | 11.89 | 12.12 |
| 48 | Standing Water Level | Metres | Continuous | Continuous | 8.87 | 8.98 | 8.99 |
| 49 | Standing Water Level | Metres | Continuous | Continuous | 14.95 | 15.00 | 15.08 |