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| **Meteorological/dam operation data of Wivenhoe (QLD):** | | | | | | |
| Data (unit) | Source | Timeframe | Minimum | Maximum | Average | Other information |
| Rainfall (mm) | BOM | 2005-2020 | 0 | 168.10 | 2.10 | Wivenhoe Pocket site (4306) |
| Evaporation (mm) | BOM | 2005-2020 | 0.08 | 9.84 | 4.37 |
| Water level (m) | Seqwater | 1986-2020 | 49.62 | 74.88 | 62.80 | NA |
| Inflow (cms) | Seqwater | 1911-2017 | 0.31 | 4377.59 | 15.36 |
| Outflow (cms) | Seqwater | 1989-2019 | 0 | 4421.95 | 32.55 |

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| **Lake climate change data under eight scenarios for ACCESS1-0 Global Climate Model (GCM):** | | | |
| Representative Concentration Pathway (RCP) | Regional Climate Model (RCM) | Bias Correction method | Other information |
| 4.5 | CCAM-r3355 | ISIMIP2b | The daily rainfall (mm), Evaporation (mm) and inflow (cms) data are available from BOM AWRA-L model) over 2006-2099. |
| - | ISIMIP2b |
| - | MRNBC |
| - | QME |
| 8.5 | CCAM-r3355 | ISIMIP2b |
| - | ISIMIP2b |
| - | MRNBC |
| - | QME |

**Water quality data (Epilimnion and Hypolimnion):**

**Note: Shaded cells indicate data availability.**

DJF refers to Dec-Jan-Feb (Summer), MAM refers to Mar-Apr-May (Autumn), JJA refers to Jun-Jul-Aug (Winter), and SON refers to Sep-Oct-Nov (Spring).

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| **Dissolved Oxygen-Field (mg/L), pH, Turbidity (NTU) and Temperature (Degree C) (Epilimnion)** | | | | | | | | | | | | | | | | | | | | |
| Time | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| DJF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SON |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Dissolved Oxygen-Field ) (mg/L), pH, Conductivity (µS/cm) and Turbidity (NTU) (Hypolimnion** | | | | | | | | | | | | | | | | | | | | |
| Time | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| DJF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Conductivity(µS/cm) (Epilimnion)** | | | | | | | | | | | | | | | | | | | | |
| Time | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| DJF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Total Nitrogen, Total Phosphorus and Total Oxidised N (NO3 + NO2) (mg/L) (Hypolimnion)** | | | | | | | | | | | | | | | | | | | | |
| Time | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| DJF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Total Dissolved Nitrogen and Total Dissolved Phosphorus (mg/L) (Hypolimnion)** | | | | | | | | | | | | | | | | | | | | |
| Time | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| DJF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Chl-a-Field (ug/L) (Epilimnion)** | | | | | | | | | | | | | | | | | | | | |
| Time | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| DJF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SON |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Chl-a-Field (ug/L) (Hypolimnion)** | | | | | | | | | | | | | | | | | | | | |
| Time | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| DJF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SON |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |