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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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| **Dissolved Oxygen-Field, pH, Turbidity (NTU) and Temperature (Degree C) (Epilimnion) (mg/L)** | | | | | | | | | | | | | | | | | | | | |
| 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, pH, Conductivity (µS/cm ) and Turbidity (NTU) (Hypolimnion) (mg/L)** | | | | | | | | | | | | | | | | | | | | |
| 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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| **Conductivity (Epilimnion) (µS/cm)** | | | | | | | | | | | | | | | | | | | | |
| 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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| **Total Nitrogen, Total Phosphorus and Total Oxidised N (NO3 + NO2) (Hypolimnion) (mg/L)** | | | | | | | | | | | | | | | | | | | | |
| 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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| **Total Dissolved Nitrogen and Total Dissolved Phosphorus (Hypolimnion) (mg/L)** | | | | | | | | | | | | | | | | | | | | |
| 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 (Epilimnion) (ug/L)** | | | | | | | | | | | | | | | | | | | | |
| 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 (Hypolimnion) (ug/L)** | | | | | | | | | | | | | | | | | | | | |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

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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 |

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| **Meteorological/dam operation data of Hinze (QLD)** | | | | | | |
| Data (unit) | Source | Timeframe | Minimum | Maximum | Average | Other Information |
| Rainfall (mm) | BOM | 2005-2020 | 0 | 265.20 | 3.56 | Nerang site (4211) |
| Evaporation (mm) | BOM | 2005-2020 | 0.02 | 9.75 | 4.17 |
| Water level (m) | Seqwater | 2010-2020 | 92.58 | 93.97 | 93.36 |  |
| Inflow (m3/s) | Seqwater | 1911-2017 | 0.04 | 278.59 | 2.81 |  |
| Outflow (ML/d) | Seqwater | 2009-2019 | Summation Q-S and Q-R |  |  |  |

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| **Meteorological/dam operation data of Somerset (QLD)** | | | | | | |
| Data (unit) | Source | Timeframe | Minimum | Maximum | Average | Other Information |
| Rainfall (mm) | BOM | 2005-2020 | 0 | 230.80 | 2.51 | Kilcoy site (4515) |
| Evaporation (mm) | BOM | 2005-2020 | 0.01 | 9.70 | 4.32 |
| Water level (m) | Seqwater | 1960-2020 | 88.10 | 106.51 | 96.00 |  |
| Inflow (m3/s) | Seqwater | 1911-2017 | 0.19 | 1533.85 | 12.82 |  |
| Outflow (ML/d) | Seqwater | 1996-2019 | 0 | 133218.64 | 469.47 |  |

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| **Meteorological/dam operation data of North Pine (QLD)** | | | | | | |
| Data (unit) | Source | Timeframe | Minimum | Maximum | Average | Other Information |
| Rainfall (mm) | BOM | 2005-2020 | 0 | 231.20 | 3.08 | Strathpine site (4500) |
| Evaporation (mm) | BOM | 2005-2020 | 0.04 | 9.71 | 4.36 |
| Water level (m) | Seqwater | 1994-2020 | 24.47 | 39.96 | 35.35 |  |
| Inflow (m3/s) | Seqwater | 1911-2017 | 0.04 | 513.53 | 3.06 |  |
| Outflow (ML/d) | Seqwater | 1994-2019 | Summation Q-S and Q-R |  |  |  |