## Sheet1
| Total Maximum Daily Load (TMDL) Baseline Years | Unnamed: 1 | Unnamed: 2 | Unnamed: 3 | Unnamed: 4 |
| --- | --- | --- | --- | --- |
| The table below contains information to assist MS4 permittees in determining an appropriate baseline year for all Total Maximum Daily Loads (TMDLs) approved prior to the effective date of the MS4 permit that do not explicitly define a baseline year in the TMDL report. The table below includes the TMDL Project Name, impaired waterbody identification number, Minnesota Pollution Control Agency (MPCA) recommended baseline year, monitoring years (if available), and notes on monitoring data and/or modeling assumptions used to determine MS4 waste load allocations.\n\nUse best professional judgement when determining a baseline year from a set of monitoring data. In most cases, the MPCA recommends selecting a midpoint or later, the midpoint monitoring year is reflected in the MPCA suggested baseline year column. The rationale for establishing a baseline year is that projects undertaken recently may take a few years to influence water quality. Any best management practice (BMP) implemented since the baseline year will be eligible for making progress toward an MS4 waste load allocation (WLA). If a BMP was implemented during or just prior to the baseline year, the MPCA is open to presentation of information by the MS4 permittee to demonstrate that it should be considered as a credit.\n\nThe List can be filtered by any column using the dropdown boxes. \n\nContact Rachel Olmanson (rachel.olmanson@state.mn.us, 651-757-2473) if you have any questions. | NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN |
| Project Name | Waterbody ID | MPCA recommended baseline year | Monitoring years | Notes |
| Bald Eagle Lake Nutrient TMDL | Bald Eagle Lake | 2005 | NaN | No baseline year specified, but existing load based on an average of loads from 2002-2008. |
| Blue Earth, Le Sueur, and Watonwan Watersheds - Fecal Coliform TMDL | 07020009-501 | 2000 | 1995 – 2004 | NaN |
| Blue Earth, Le Sueur, and Watonwan Watersheds - Fecal Coliform TMDL | 07020009-526 | 2001 | 2000 – 2001 | NaN |
| Blue Earth, Le Sueur, and Watonwan Watersheds - Fecal Coliform TMDL | 07020009-503 | 2003 | 2002 – 2004 | NaN |
| Blue Earth, Le Sueur, and Watonwan Watersheds - Fecal Coliform TMDL | 07020009-527 | 2003 | 2002 – 2004 | NaN |
| Blue Earth, Le Sueur, and Watonwan Watersheds - Fecal Coliform TMDL | 07020009-525 | 2001 | 2000 – 2002 | NaN |
| Blue Earth, Le Sueur, and Watonwan Watersheds - Fecal Coliform TMDL | 07020009-509 | 2004 | 2004 | NaN |
| Blue Earth, Le Sueur, and Watonwan Watersheds - Fecal Coliform TMDL | 07020011-501 | 2004 | 2004 | NaN |
| Bluff Creek Watershed TMDL Project | Bluff Creek | 2009 | 2008-2010 | NaN |
| Buffalo Creek Bacterial TMDL | 07010205-638 (previous waterbody ID: 07010205-501) | 2003 | 2001-2006 | Monitoring data collected from 2001-2006. |
| Burandt Lake Excess Nutrients TMDL | Burandt Lake | 2001 | 2000-2005 | The TMDL report does not specify a baseline year and condition. Since 2005 was the last year of monitoring data, any BMPs implemented since 2005 will be credited toward meeting the WLA. BMPs implemented prior to 2005 will need to be evaluated to determine if they should receive credit. \n\nThe BATHTUB model for Burandt Lake was calibrated and validated using data for the years 2000 to 2005 (Section 5.5.1; pg. 30). The TMDL is based on an average precipitation year which was 2001. |
| NaN | NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN |
| Carver Creek Lakes Excess Nutrients TMDLs | Goose Lake | 2004 | NaN | The WLA is considered to apply to average precipitation conditions. These occurred in 2001 (Winkler) and 2004 (Goose, Hydes, Miller). |
| Carver Creek Lakes Excess Nutrients TMDLs | Hydes Lake | 2004 | NaN | NaN |
| Carver Creek Lakes Excess Nutrients TMDLs | Miller Lake | 2004 | NaN | NaN |
| Carver Creek Lakes Excess Nutrients TMDLs | Winkler Lake | 2001 | NaN | NaN |
| Carver Creek: Turbidity TMDL | Carver Creek | 1999 | 1990-2007 | NaN |
| Carver Creek: Turbidity TMDL | Bevens Creek | 1998 | 1989-2007 | NaN |
| Carver Creek: Turbidity TMDL | NaN | NaN | NaN | NaN |
| Carver Creek Lakes Excess Nutrients TMDLs | Benton Lake | 2001 | NaN | The WLA is considered to apply to average precipitation conditions. 2001 was used to determine the TMDL for the lake. |
| Cedar Island, Pike, and Eagle Lakes Excess Nutrients TMDL | All | 2003 | NaN | The report does not provide a specific baseline year. Water quality response modeling used to set the allocations utilized data from 2001 and 2003. This modeling was linked to P8 modeling during the same time period. |
| Chippewa River - Fecal Coliform TMDL | 07070005-501 | 2002 | 1999–2005 | NaN |
| Comfort Lake-Forest Lake WD Six Lakes TMDL | Moody Lake | 2006 | 2005-2007 | NaN |
| Comfort Lake-Forest Lake WD Six Lakes TMDL | Bone Lake | 2002 | 1997-2007 | NaN |
| Comfort Lake-Forest Lake WD Six Lakes TMDL | School Lake | 2006 | 2005-2007 | NaN |
| Comfort Lake-Forest Lake WD Six Lakes TMDL | Little Comfort Lake | 2007 | 2006-2007 | NaN |
| Comfort Lake-Forest Lake WD Six Lakes TMDL | Shields Lake | 2002 | 1997-2007 | NaN |
| Comfort Lake-Forest Lake WD Six Lakes TMDL | Comfort Lake | 2002 | 1997-2007 | NaN |
| Cottonwood River Watershed Fecal Coliform TMDL | All | 2002 | 1997-2006 | The majority of water quality monitoring data used in this Report was collected from 1997 to 2006 by MPCA and RCRCA staff |
| Crystal, Keller, and Lee Lakes Nutrient Impairment TMDL | Crystal, Keller, and Lee Lakes | 2006 | NaN | Of the three precipitation scenarios evaluated in this study, the critical year (the one resulting in the worst water quality) for Crystal, Keller, and Lee Lakes was the "average" precipitation scenario (the growing season of 2006). \n\nAlso, because it is a year of average precipitation, it serves as a fair baseline to set wasteload allocations for municipalities. It is reasonable to expect that, on average, the MS4s in the watersheds will have existing watershed TP loads on the order of those modeled during the 2006 water year. |
| NaN | NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN |
| Crystal Lake Nutrient TMDL | Crystal Lake | 2003 | NaN | The TMDL is based on average precipitation years of 2001 and 2003. |
| Elk River Watershed TMDL | Big Elk Lake | 2007 | NaN | Water quality data was available for 2003, 2006, 2007 and 2009. However, 2003 data was not used for the model calibration because only three samples were collected during late summer. |
| Elk River Watershed TMDL | Mayhew Lake | 2006 | NaN | Water quality data was available for 2003 -2006 and 2009. Each year was modeled utilizing the methods described in the previous section. |
| Elk River Watershed TMDL | 07010203-579 | 2009 | NaN | Flow duration curves were developed from data collected in 2009 at the continuous flow monitoring stations at ER 37.3 and ER 16.6 and compared to a 2009 flow duration curve developed from the USGS station. |
| Elk River Watershed TMDL | 07010203-579, E. coli | NaN | NaN | NaN |
| Elk River Watershed TMDL | 07010203-579, TSS | 2009 | NaN | Section 5.2.3.1 indicates that data from 2009 was used to set calculate the TMDL. |
| Fish/Schwanz Lakes Nutrient TMDL | Fish Lake | 2006 | NaN | The models were used to analyze a range of precipitation conditions, including representative wet (2002), dry (2008), and average (2006) years. |
| Fish/Schwanz Lakes Nutrient TMDL | Schwanz Lake | 2006 | NaN | NaN |
| Golden Lake TMDL | Golden Lake | 2004 | NaN | The model was calibrated to monitoring data for 2004. |
| NaN | NaN | NaN | NaN | NaN |
| Knife River Turbidity TMDL | All | 2005 | NaN | A specific baseline year is not defined in the TMDL report. Of the three years used to develop the Load Duration Curve (2004, 2005, 2006), flows and sediment loads were greatest in 2005. |
| Kohlman Lake TMDL | Kohlman Lake | 2002 | NaN | The P8 model was calibrated to 2002 data. |
| Lake Independence Excess Nutrients TMDL | Lake Independence | 2001 | NaN | The BATHTUB model was calibrated using storm inflow data collected in 2001. The year 2001 therefore is an appropriate baseline. |
| NaN | NaN | NaN | NaN | NaN |
| Lake Magda Nutrient TMDL | Magda Lake | 2002 | NaN | Monitoring and modeling was conducted over the period 1997 to 2006. The XP-SWMM model was calibrated to 2002 data. The P8 model subsequently used the calibrated SWMM model. The year 2002 therefore represents a reasonable baseline year. |
| Lake Sarah Excess Nutrients TMDL | Lake Sarah | 2004 | NaN | Modeling for Lake Sarah was initially based on in-lake data from a ten year period (1999-2008) that corresponds with the 10-year average precipitation data used to generate watershed phosphorus loads. |
| Lake St. Croix Excess Nutrient TMDL | Lake St. Croix | 1992 | NaN | In this TMDL the decade of the 1990s is considered to be the baseline in general; however, for the WLAs for regulated MS4 permittees, the baseline is specifically taken to be 1992, as 1992 is the year of NLCD land use/land cover data used to develop the MS4 WLAs. |
| Lino Lakes Chain (Metro) | George Watch, 02-0005-00 | 2003 | 2002-2004 | No baseline year specified, but current load dataset was based on 2002-2004. |
| Lino Lakes Chain (Metro) | Marshan, 02-0007-00 | 2003 | 2002-2004 | No baseline year specified, but current load dataset was based on 2002-2004. |
| Lino Lakes Chain (Metro) | Rice, 02-0008-00 | 2003 | 2002-2004 | No baseline year specified, but current load dataset was based on 2002-2004. |
| Lino Lakes Chain (Metro) | Reshanau, 02-0009-00 | 2003 | 2002-2004 | No baseline year specified, but current load dataset was based on 2002-2004. |
| Lino Lakes Chain (Metro) | Baldwin, 02-0013-00 | 2003 | 2002-2004 | No baseline year specified, but current load dataset was based on 2002-2004. |
| Little Rock Lake Nutrients TMDL | Little Rock Lake | 2007 | NaN | Watershed and lake water quality data collected Benton County Soil and Water District in 2006-2008 to support development of TMDLs for the lake and tributaries. (pg. 24) |
| Long and Farquar Lakes (Metro) | Long Lake | 2005 | NaN | The TMDL report does not specify a baseline year. The year 2005 represents a normal precipitation year and was one of the years used to calibrate the model. |
| Long and Farquar Lakes (Metro) | Farquar Lake | 2005 | NaN | NaN |
| Lower Cannon River Turbidity TMDL | 07040001-511 | 1998 | 1991 – 2004 | NaN |
| NaN | 07050002-502 | 1998 | NaN | NaN |
| Lower Minnesota River - Dissolved Oxygen | Minnesota River | 1988 | 1981-1999 | The model used to set WLAs (Hydrologic Simulation Program Fortran or HSPF) was calibrated to various data collected between 1981 and 1999. The year 1988 was considered to be most representative of low flow conditions that result in oxygen depletion in the river. The TMDL report states “Therefore, a two-month critical low flow period of August and September 1988 was selected to represent the meteorological conditions and hydrologic response for this TMDL”. The implementation plan states that the modeling assumed no BMPs in place and that all BMPs would therefore be credited. However, the model was calibrated to 1988 conditions, which therefore reflects BMPs in place in 1988. |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040001-506 | 1990 | 1985-1995 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040001-507 | 1988 | 1983-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-502 | 1988 | 1983-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-503 | 1991 | 1988-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-504 | 1991 | 1989-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-505 | 2000 | 1999-2000 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-509 | 2001 | 1998, 2001, 2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-512 | 1998 | 1997-1998 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-513 | 1998 | 1998 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-515 | 2000 | 1999-2000 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-516 | 2000 | 1999-2000 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-517 | 2000 | 1999-2000 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-518 | 2000 | 1999-2000 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-519 | 2000 | 1999-2000 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-528 | 2000 | 1999-2000 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040002-535 | 2001 | 2000-2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-505 | 1988 | 1983-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-512 | 2001 | 2000-2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-514 | 2001 | 2000-2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-536 | 2001 | 2000-2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-542 | 1988 | 1983-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-553 | 2001 | 2000-2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-554 | 1989 | 1985-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040003-559 | 2001 | 2000-2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040004-501 | 2002 | 2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040004-502 | 2002 | 2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040004-503 | 1991 | 1989-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040004-507 | 1988 | 1983-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040004-533 | 2001 | 2001 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040004-535 | 2001 | 2001 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040004-536 | 2001 | 2001 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040008-501 | 1988 | 1983-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040008-503 | 1990 | 1987-1993 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040008-521 | 2002 | 2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040008-555 | 2001 | 1999-2002 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07040008-586 | 2000 | 1999-2001 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07080201-501 | 1990 | 1986-1994 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07080201-502 | 1990 | 1986-1994 | NaN |
| Lower Mississippi River Basin-Fecal Coliform TMDL | 07080202-501 | 1988 | 1983-1993 | NaN |
| Lower Vermillion River Watershed Turbidity TMDL | Vermillion River, 07040001-504 | 2000 | NaN | Model calibration was performed for period of 1995 – 2006. |
| Meadow Lake - Excess Nutrient TMDL | Meadow Lake | 2002 | NaN | The WLA for the TMDL was calculated by averaging the watershed load at goal for the ten year period 1996-2005. This ten year period brackets the four years for which actual monitoring data is available: 1996, 1999, 2002, and 2005. |
| Medicine Lake Nutrients TMDL | Medicine Lake | 2007 | NaN | The TMDL report indicates required reductions are from watershed conditions in 2007. |
| Minnehaha Creek Watershed Lakes TMDL | All | 2003 | Monitoring data from 1998-2007. | See section 3.A of TMDL Report. Existing load assumes no BMPs. Crediting of installed BMPs to be done during implementation planning phase. |
| Nine Mile Creek Watershed Chloride TMDL | Nine Mile Creek | 2003 | 1999-2007 | No baseline year specified, but data collected from 1999 - 2007. |
| North Branch of the Sunrise River Fecal Coliform TMDL | 07030005-501 | 2003 | 2002-2003 | NaN |
| North Fork Crow and Lower Crow Bacteria, Turbidity, and Low DO TMDL | Crow River, 07010204-502, fecal coliform | 2005 | 2000-2009 | Fecal coliform and E. coli data were collected from 2000-2009. |
| North Fork Crow and Lower Crow Bacteria, Turbidity, and Low DO TMDL | Crow River, 07010204-502, turbidity | 2004 | 1999-2009 | Monitoring data from 1999-2009 was used to develop the TMDL. |
| North Fork Crow and Lower Crow Bacteria, Turbidity, and Low DO TMDL | North Fork Crow River, 07010204-503, turbidity | 2005 | 2001-2009 | Monitoring data from 2001-2009 was used to develop the TMDL. |
| North Fork Crow River WRAPS 2007 | Pelican, 86-0031-00 | 2005 | 2003; 2005 | Average condition years, 2003; 2005 were used to calculate the “average” condition for the TMDL study. |
| North Fork Crow River WRAPS 2007 | Constance, 86-0051-00 | 2009 | 2008-2009 | Average condition years from 2008-2009 were used to calculate the “average” condition for the TMDL study. |
| North Fork Crow River WRAPS 2007 | Buffalo, 86-0090-00 | 2006 | 2006 | Average condition year 2006 was used to calculate the “average” condition for the TMDL study |
| North Fork Crow River WRAPS 2007 | Mill Creek, 07010204-515 | 2005 | 2001-2009 | Monitoring data collected from 2001-2009 |
| North Fork Crow River WRAPS 2007 | Unnamed Creek, 07010204-542 | 2008 | 2007-2009 | Monitoring data collected from 2007-2009 |
| North Fork Crow River WRAPS 2007 | Jewitts Creek, 07010204-585 | 2008 | 2007-2009 | Monitoring data collected from 2007-2009 |
| North Fork Crow River WRAPS 2007 | Foster, 86-0001-00 | 2006 | 2003-2009 | Average condition years from 2003-2009 were used to calculate the “average” condition for the TMDL study. |
| North Fork Crow River WRAPS 2007 | Beebe, 86-0023-00 | 2006 | 2002-2009 | Average condition years from 2002-2009 were used to calculate the “average” condition for the TMDL study. |
| Pomme de Terre River Turbidity TMDL | 07020003-501 | 2002 | 1997-2007 | NaN |
| Pomme de Terre River Fecal Coliform TMDL | 07020002-501 | 1988 | 1970-2005 | The flow monitoring data used in this project was from 1970-2005 at the U.S. Geological Survey gage station #05294000. |
| NaN | NaN | NaN | NaN | NaN |
| Prior Lake and Spring Lake (Metro) | Spring Lake-Upper Prior Lake | 2006 | NaN | Given that the lake model in this study was calibrated to monitoring data which reflect land use and BMPs in place during the monitored period from 1998-2006, 2006 will be used as the baseline year/ condition from which to gauge phosphorus reductions for determining progress toward the TMDL. (pg. 7-1) |
| Redwood River Fecal Coliform TMDL | Redwood River, 07020006-509, 07020006-501 | 1996 | 1985-2006 | The majority of water quality monitoring data used in this Report was collected from 1985 to 2006 by MPCA and RCRCA staff |
| Reitz Lake Excess Nutrients TMDL | Reitz Lake | 2004 | NaN | Monitoring occurred from the mid-1980’s to present. The year 2004 was used to calibrate the watershed model. No BMPs were assumed in the export coefficient, but this may not accurately reflect watershed conditions since the coefficients used in the model come from a literature review (Reckhow, Kenneth H., Beaulac, Michael N., Simpson, Jonathan T., June 1980. Modeling Phosphorus Loading and Lake Response Under Uncertainty: A Manual and Compilation of Export Coefficients. Department of Resource Development, Michigan State University). |
| Schmidt, Pomerleau, and Bass Lakes TMDLs | Schmidt Lake | 2001 | 1994-2007 | 2004 and 2005 were evaluated using Three Rivers Park data. |
| Schmidt, Pomerleau, and Bass Lakes TMDLs | Pomerleau Lake | 1999 | 1996, 1999, 2001, 2003 | Only two good years of data were available for Pomerleau Lake – 1996 and 1999. Other years had too few observations to develop conclusions. |
| Schmidt, Pomerleau, and Bass Lakes TMDLs | Bass Lake | 2002 | 1973-1974, 1980, 1994, 1997-2007 | NaN |
| Shingle Creek Chloride TMDL | 07010206-506 | 2003 | 2002-2003 | Monitoring of conductivity, chloride and discharge was performed from late November 2002 through August of 2003. |
| NaN | NaN | NaN | NaN | NaN |
| Shingle Creek and Bass Creek Biota and DO TMDLs | 07010206-506 | 2008 | NaN | The Lower and Upper Shingle Creek models were built using both summer high-flow and fall low-flow synoptic survey data collected on June 9, 2008 and September 17, 2008, respectively. |
| Silver (West) Lake (Metro) | Silver Lake | 2002 | 1997-2006 | Model was calibrated to observed in-lake water quality data using a 1997 through 2006 average. |
| South Metro Mississippi TSS TMDL | Mississippi River, 07040001-531 | Not applicable | NaN | There is no baseline year defined. The need for a reduction is based on an MS4’s location within the drainage area and its own evaluation of its loading relative to the target areal loading used to derive the waste load allocation. |
| St. Clair Lake TMDL | St. Clair, 03-0382-00 | 2007 | 2002-2011 | Observed water quality was based on 10-year (2002-2011) growing season means (June through September) for TP, chlorophyll-a, and Secchi transparency (Table 5). |
| Sunrise River (Lower St. Croix) WRAPS 2009 | 07030005-545 | 2009 | 2009 | Average flow modeled based on 2006-2012 monitored flows |
| Sweeney Lake TMDL | Sweeney Lake | 2007 | NaN | Monitoring data from 2004-2005 and 2007-2008 was used. |
| Twin (Upper, Middle, and Lower) and Ryan Lakes TMDLs | All | 1999 | 1996 and 1999 | The TMDL report states that the P8 model was developed using 1999 conditions. Furthermore, 1999 was considered an average year in terms of precipitation. |
| Twin Cities Metro Area Chloride TMDL and Management Plan | All | NaN | NaN | No baseline year specified. This TMDL has a performance-based approach, the numeric WLA is translated to a performance criterion. This means the MS4 will develop and implement of a winter maintenance plan which will identify a desired level of BMP implementation and a schedule for achieving specific implementation activities. |
| West Fork Des Moines River Watershed TMDL: Excess Nutrients (North and South Heron Lake), Turbidity, and Fecal Coliform | All | Fecal coliform:1999 | Fecal coliform data 1994-2003 | NaN |
| NaN | NaN | NaN | NaN | NaN |
| NaN | NaN | TSS: 2003 | TSS data 2001-2004 | NaN |
| Wirth Lake Nutrients TMDL Development | Wirth Lake | 2006 | NaN | The allocations presented in this TMDL are based on the management scenarios required to bring the growing season average TP concentration to 40 mg/L (NCHF ecoregion criteria) during the climactic conditions observed during the 2005-06 water year. Also, because it is a year of average precipitation, it serves as a fair baseline to set allocations. It is reasonable to expect that, on average, phosphorus sources in the watershed will have existing watershed TP loads consistent with those modeled during the growing season of 2006. |
| Zumbro River Watershed Turbidity TMDL | 07040004-552 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-553 | 2003 | 2000-2005 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-556 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-539 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-540 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-538 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-536 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-639 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-581 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-601 | 2005 | 2004-2005 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-507 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-592 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-526 | 2007 | 2007 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-525 | 2008 | 2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-554 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-522 | 2008 | 2007-2008 | NaN |
| Zumbro River Watershed Turbidity TMDL | 07040004-501 | 2008 | 2007-2008 | NaN |