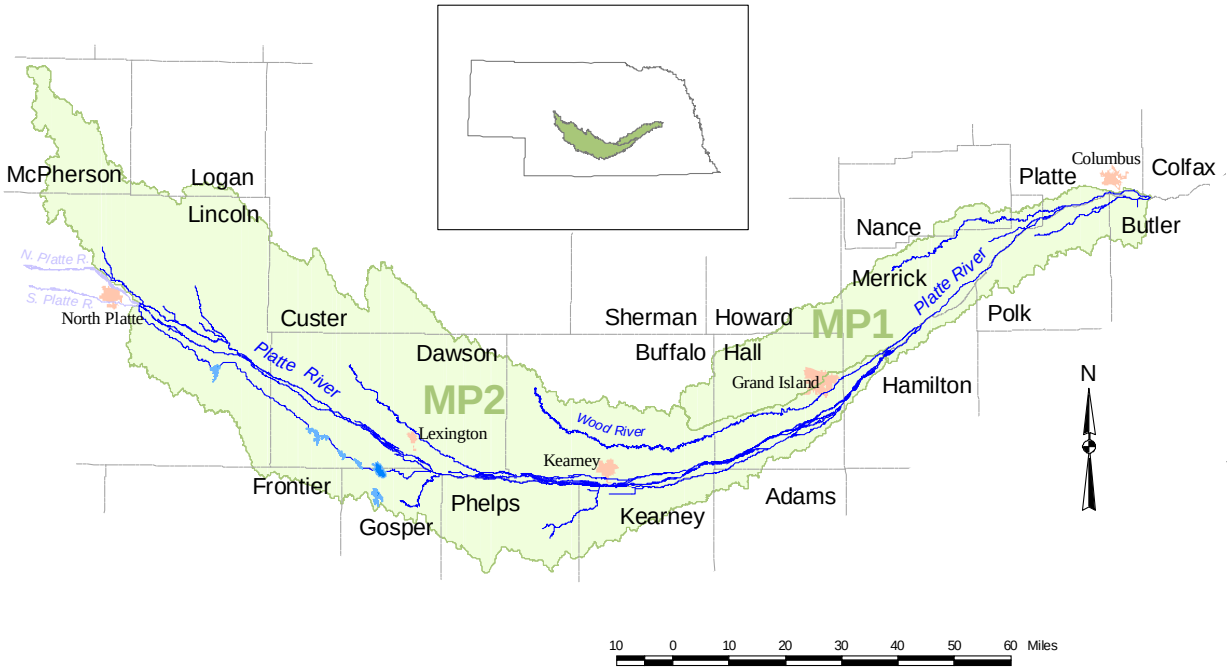
# MIDDLE PLATTE RIVER BASIN (and Subbasins)




## Middle Platte River Basin – Hydrologic Units 10200101, 10200102 and 10200103

The Middle Platte River Basin includes 29 designated stream segments and 95 designated lakes/reservoirs

| Waterbody Type | Primary Contact Recreation | Aquatic Life CA[1] | Aquatic Life CB[1] | Aquatic Life WA[1] | Aquatic Life WB[1] | Water Supply – Public Drinking | Water Supply – Ag | Water Supply-Ind. | Aesthetics |
|---|---|---|---|---|---|---|---|---|---|
| Lakes | 95 | 0 | 0 | 95 | 0 | 0 | 95 | 2 | 95 |
| Streams | 13 | 0 | 3 | 12 | 14 | 1 | 29 | 1 | 29 |

[1] CA = Coldwater Class A, CB = Coldwater Class B, WA = Warmwater Class A and WB = Warmwater Class B

**Delisting/ Changes from 2008 IR**

The following are waters and or parameters that were delisted – removed from category 5 or other significant changes from the 2008 IR.

***MP2-L0540: Elwood Reservoir-***This waterbody was impaired due to a fish consumption advisory in the 2008 Integrated Report. The most recent fish consumption assessment indicates that this waterbody no longer requires a fish consumption advisory. This waterbody is now fully supporting all assigned designated uses and will be placed in category 1.

***MP2-L0170: Jeffery Reservoir-*** The 2008 Integrated Report included this waterbody as impaired by excessive nutrients. The nutrient assessment process for 2008 was designed to provide numeric translators to the narrative aesthetic beneficial use criteria as defined in the State of Nebraska approved Title 117 –

Nebraska Surface Water Quality Standards. EPA concluded that the nutrient values used to derive the numeric translators were not acceptable and could not be used for Clean Water Act purposes. For the 2010 Integrated Report, EPA and NDEQ agreed to an alternative set of nutrient assessment end points for this reporting cycle. Following the agreed upon nutrient translators and the 2010 assessment methodologies, the nutrient data and information for this waterbody do not meet the requirements for assessment. Additional parameters designed to protect aquatic life indicate this waterbody is supporting the aquatic life beneficial use. Additionally, the 2010 aesthetics beneficial use assessment for this waterbody demonstrates full support; therefore this waterbody will be relocated to category 2.

| Waterbody ID | Waterbody Name | Recreation | Aquatic Life | Public Drinking Water | Agriculture Water Supply | Industrial Water Supply | Aesthetics | Overall Assessment | 2010 IR | Impairments | Parameters of Concern | Comments/Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lakes** | | | | | | | | | | | | |
| MP1-L0010 | Lease Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0015 | Silver Creek City Pond | S | NA | | NA | | S | S | 2 | | | |
| MP1-L0020 | Mormon Trail Lake (SWA) | NA | S | | NA | | S | S | 2 | | | Fish consumption assessment |
| MP1-L0030 | Hord Lake East | NA | S | | NA | | S | S | 2 | | | Fish consumption assessment |
| MP1-L0040 | Hord Lake West | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0050 | Bader Memorial Lake No. 7 | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0060 | Bader Memorial Lake No. 6 | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0070 | Bader Memorial Lake No. 5 | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0080 | Bader Memorial Lake No. 4 | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0090 | Bader Memorial Lake No. 2 | S | NA | | NA | | S | S | 2 | | | |
| MP1-L0100 | Bader Memorial Lake No. 3 | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0110 | Bader Memorial Lake No. 1 | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0120 | Grand Island Detention Cell | NA | NA | | NA | | NA | | 3 | | | |
| MP1-L0130 | Cornhusker Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0010 | Grand Island Rest Area Lake (I-80 mile 315.0 S) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0020 | Grand Island Pier Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0030 | Grand Island L. E. Ray Lake | NA | S | | NA | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0040 | Grand Island Such's Lake | NA | I | | NA | | S | I | 5 | Nutrients | Total phosphorus, Total nitrogen, Chlorophyll a | |
| MP2-L0050 | Mormon Island Lake (SWA) | NA | S | | S | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0060 | East Mormon Island Lake (SRA) | NA | NA | | NA | | NA | | 3 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP2-L0070 | West Morman Island Lake (SRA) | S | I | | S | | S | I | 5 | Low DO | Unknown | |
| MP2-L0090 | Alda Rest Area Lake (I-80 mile 306.0 N) | NA | S | | S | | S | S | 2 | | | |
| MP2-L0100 | Cheyenne Lake (SRA) | NA | S | | S | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0110 | West Wood River Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0120 | War Axe Lake (SRA) | NA | S | | S | | S | S | 2 | | | |
| MP2-L0130 | Windmill Lake No. 4 (SRA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0140 | Windmill Lake No. 5 (SRA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0150 | Windmill Lake No. 3 (SRA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0160 | Windmill Lake No. 2 (SRA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0170 | Windmill Lake No. 1 (SRA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0180 | Windmill Lake No. 6 (SRA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0190 | Bassway Strip Lake No. 5 (WMA) | NA | I | | NA | | S | I | 5 | Fish consumption advisory | Hazard index compounds, Mercury | Fish consumption assessment |
| MP2-L0200 | Bassway Strip Lake No. 4 (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0210 | Bassway Strip Lake No. 3 (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0220 | Bassway Strip Lake No. 2 (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0230 | Bassway Strip Lake No. 1 (WMA) | NA | I | | S | | S | I | 5 | High pH | Unknown | Delist nutrients- insufficient data for assessment procedures |
| MP2-L0240 | Bufflehead Lake (WMA) | NA | I | | S | | S | I | 5 | High pH | Unknown | Delist nutrients- insufficient data for assessment procedures |

| Waterbody ID | Waterbody Name | Recreation | Aquatic Life | Public Drinking Water | Agriculture Water Supply | Industrial Water Supply | Aesthetics | Overall Assessment | 2010 IR | Impairments | Parameters of Concern | Comments/Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP2-L0250 | Ft. Kearny Lake No. 1 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0260 | Ft. Kearny Lake No. 2 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0270 | Ft. Kearny Lake No. 3 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0280 | Ft. Kearny Lake No. 4 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0290 | Ft. Kearny Lake No. 5 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0300 | Ft. Kearny Lake No. 6 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0310 | Ft. Kearny Lake No. 7 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0320 | Kea Lake (WMA) | NA | I | | NA | | S | I | 5 | Fish consumption advisory | Hazard index compounds, Mercury | Fish consumption assessment |
| MP2-L0330 | Kearney Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0340 | Kea West Lake (WMA) | | | | | | | | 3 | | | |
| MP2-L0350 | North Kearney Rest Area Lake (I-80 mile 271.0 N) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0360 | Cottonmill Lake | NA | I | | S | | S | I | 5 | Fish consumption advisory | Mercury | Fish consumption assessment |
| MP2-L0370 | South Kearney Rest Area Lake (I-80 mile 269.0 S) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0380 | East Odessa Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0390 | Union Pacific Lake (SRA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0400 | Coot Shallows Lake (WMA) | NA | S | | S | | S | S | 2 | | | |
| MP2-L0410 | Blue Hole East Lake (WMA) | NA | I | | S | | S | I | 5 | Nutrients, High pH | Total phosphorus, Chlorophyll a | |
| MP2-L0420 | Sandy Channel Lake (WMA) | NA | S | | S | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0430 | Blue Hole Lake (Elm Creek) (WMA) | NA | NA | | NA | | NA | | 3 | | | |

| Waterbody ID | Waterbody Name | Recreation | Aquatic Life | Public Drinking Water | Agriculture Water Supply | Industrial Water Supply | Aesthetics | Overall Assessment | 2010 IR | Impairments | Parameters of Concern | Comments/Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP2-L0440 | West Elm Creek Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0450 | Overton Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0460 | Dogwood Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0470 | Dawson County Museum Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0480 | Interstate lake (Lexington) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0490 | Plum Creek Park Lake (Lexington) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0500 | Phillips Lake | NA | I | | NA | | S | I | 5 | Fish consumption advisory | Hazard index compounds, Mercury | Fish consumption assessment |
| MP2-L0510 | Bossung Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0520 | Johnson Lake | S | I | | S | S | S | I | 5 | Nutrients | Total phosphorus, Chlorophyll a | Fish consumption assessment |
| MP2-L0530 | Buffalo Creek Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0540 | Elwood Reservoir | S | S | | S | | S | S | 1 | | | Delist fish consumption advisory-new assessment indicates full support, Delist nutrients- new assessment indicates full support |
| MP2-L0550 | Darr Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0560 | Plum Creek Lake | NA | S | | NA | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0570 | Gallagher Canyon Reservoir | NA | S | | S | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0580 | Cozad Lake (WMA) | NA | I | | S | | S | S | 5 | High pH | Unknown | Fish consumption assessment, Delist nutrients- insufficient data for assessment procedures |

| Waterbody ID | Waterbody Name | Recreation | Aquatic Life | Public Drinking Water | Agriculture Water Supply | Industrial Water Supply | Aesthetics | Overall Assessment | 2010 IR | Impairments | Parameters of Concern | Comments/Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP2-L0590 | West Cozad Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0600 | East Willow Island Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0610 | Willow Island Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0620 | Midway Lakes (8 Lakes) | NA | S | | NA | | S | | 2 | | | Fish consumption assessment |
| MP2-L0630 | East Gothenburg Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0640 | Little Canyon Lake No. 2 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0650 | Lake Helen | NA | I | | NA | | S | I | 5 | Low dissolved oxygen | Unknown | |
| MP2-L0660 | Little Canyon Lake No. 1 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0680 | West Gothenburg Lake (WMA) | NA | S | | S | | S | S | 2 | | | |
| MP2-L0690 | Brady Lake (WMA) | NA | S | | S | | S | S | 2 | | | |
| MP2-L0700 | Chester Island Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0710 | Jeffery Reservoir | NA | S | | S | | S | S | 2 | | | Fish consumption assessment, Delist nutrients- insufficient data for assessment procedures |
| MP2-L0720 | West Brady Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0730 | Snell Canyon Lake No. 2 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0740 | Snell Canyon Lake No. 1 | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0750 | Maxwell Rest Area Lake (I-80 mile 194.0 N) | NA | NA | | NA | | NA | | 3 | | | Lake misidentified in 2008 IR, assessment on MP2-L0800 |
| MP2-L0760 | Target Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0770 | Fort McPherson Lake (SWA) | NA | S | | NA | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0780 | Cottonwood Canyon Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0790 | I-80 BLM Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0800 | West Maxwell Lake (WMA) | NA | S | | NA | | S | S | 2 | | | Fish consumption assessment |
| MP2-L0810 | Box Elder Canyon Lake | NA | NA | | NA | | NA | | 3 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP2-L0820 | Crystal Lake | NA | NA | | NA | | NA | | 3 | | | |
| MP2-L0840 | Fremont Slough Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| **Streams** | | | | | | | | | | | | |
| MP1-10000 | Platte River | I | S | | S | | S | I | 4a | Fecal-E. coli | E. coli | Fecal coliform TMDL approved 5/03 |
| MP1-10100 | Clear Creek | I | I | | S | | S | I | 5 | E. coli, High Temperature | E. coli, Temperature | Delist pH mistakenly listed in 2008, Aquatic community assessment, |
| MP1-10110 | Wilson Creek | | NA | | NA | | NA | | 3 | | | |
| MP1-10120 | South Channel Platte River | | NA | | NA | | NA | | 3 | | | |
| MP1-10200 | Loup Power Canal | I | NA | | NA | | NA | I | 5 | E. coli | E. coli | |
| MP1-20000 | Platte River | S | S | | S | | S | S | 1 | | | Fecal coliform TMDL approved 5/03 |
| MP1-20100 | Prairie Creek | | I | | S | | S | I | 5 | Low dissolved oxygen | Unknown | Aquatic community assessment |
| MP1-20200 | Silver Creek | | NA | | NA | | NA | | 3 | | | |
| MP1-20300 | Silver Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| MP2-10000 | Platte River | S | S | S | S | | S | S | 1 | | | |
| MP2-10100 | Wood River | | NA | | NA | | NA | | 3 | | | |
| MP2-10200 | Wood River | | I | | S | | S | I | 5 | Selenium | Selenium | |
| MP2-10300 | Wood River | | NA | | NA | | NA | | 3 | | | |
| MP2-10400 | Crooked Creek | | NA | | NA | | NA | | 3 | | | |
| MP2-20000 | Platte River | I | S | | S | | S | I | 4a | | | Fecal coliform TMDL approved 5/03, Aquatic community & Fish consumption assessment |

| Waterbody ID | Waterbody Name | Recreation | Aquatic Life | Public Drinking Water | Agriculture Water Supply | Industrial Water Supply | Aesthetics | Overall Assessment | 2010 IR | Impairments | Parameters of Concern | Comments/Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP2-20100 | North Dry Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| MP2-20110 | Whiskey Slough | | NA | | NA | | NA | | 3 | | | |
| MP2-20120 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| MP2-20200 | Turkey Creek | NA | NA | | NA | | NA | | 3 | | | |
| MP2-20300 | Spring Creek | I | S | | S | | S | I | 5 | E. coli | E. coli | Aquatic community assessment, IBI score impacted by low water |
| MP2-20400 | Plum Creek | | S | | S | | S | S | 1 | | | |
| MP2-20500 | Tri-County Canal | NA | NA | | NA | NA | NA | | 3 | | | |
| MP2-30000 | Platte River | I | S | | S | | S | I | 5 | E. coli | E. coli | |
| MP2-40000 | Platte River | S | S | | S | | S | S | 1 | | | Fecal coliform TMDL approved 5/03, Aquatic community assessment |
| MP2-40100 | Pawnee Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| MP2-40200 | Pawnee Slough | NA | NA | | NA | | NA | | 3 | | | |
| MP2-40300 | Unnamed Slough | | NA | | NA | | NA | | 3 | | | |
| MP2-40400 | White Horse Creek | NA | NA | | NA | | NA | | 3 | | | |
| MP2-40410 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| **Wetlands** | | | | | | | | | | | | |
| MP2-Undesig. | Cottonwood WPA | | NA | | NA | | NA | | 3 | | | |
| MP2-Undesig. | Linder WPA | | NA | | NA | | NA | | 3 | | | |