

Appendix D. Site Data and General Collection Information for USGS Gage Stations with Fish Data

| No. | State | USGS | | Site Lat | Site Long | Fish Collection Information | | | Flow Daily Data - Period of Record | SS Daily Data - Period of Record | # of Complete Years of Data | # of SS Samples | Drainage Area (km2) | Gage Datum above MSL (meters) | Channel Stability | Annual yield T/y/km2 | Dominant Bed Substrate | D50 (in mm) |
|-----|-------|------------|---|----------|-----------|-----------------------------|-------------|-------------|------------------------------------|----------------------------------|-----------------------------|-----------------|---------------------|-------------------------------|-------------------|----------------------|------------------------|-------------|
| | | Station ID | Gage identification / location description | | | Source | Site ID | Sample Date | | | | | | | | | | |
| 1 | MT | 06120500 | Musselshell River at Harlowton | 44.6178 | -103.482 | MDEQ | O.Kayhan | 9/19/2006 | 1907-2007 | 1983-2007 | 93 | 23 | 2913.7 | 1271.46 | U | 3.63 | Boulder/Cobble | 39.00 |
| 2 | MT | 06126500 | Musselshell River near Roundup | 44.3697 | -102.566 | REMAP | 103.0 | 9/21/2000 | 1946-2007 | 1981-2007 | 60 | 50 | 10419.5 | 971.75 | U | 11.45 | Silt/Clay | 4.00 |
| | | | | | | MDEQ | K.Frazer | 8/11/2003 | | | | | | | | | | |
| | | | | | | MDEQ | O.Kayhan | 10/5/2006 | | | | | | | | | | |
| 3 | MT | 06127500 | Musselshell River at Musselshell | 44.2105 | -100.727 | MDEQ | K.Frazer | 8/13/2003 | 1928-2007 | 1983-2007 | 33 | 23 | 11831.1 | 909.74 | C | 5.27 | Silt/Clay | 0.29 |
| | | | | | | MDEQ | O.Kayhan | 10/27/2006 | | | | | | | | | | |
| 4 | MT | 06130500 | Musselshell River at Mosby | 44.3266 | -100.384 | REMAP | 019.0 | 7/14/2001 | 1929-2007 | 1983-2007 | 72 | 277 | 20321.0 | 760.14 | U | 19.66 | Boulder/Cobble | 27.00 |
| | | | | | | MDEQ | A.Tews | 8/24/2000 | | | | | | | | | | |
| 5 | MT | 06131200 | Nelson Creek near Van Norman | 43.2547 | -102.825 | MDEQ | R.Bramblett | 7/16/1999 | 1975-1985 | 2000-2007 | 13 | 24 | 259.5 | 701.04 | S | 7.55 | Silt/Clay | 0.13 |
| | | | | | | MDEQ | L.Ryan | 6/14/2004 | | | | | | | | | | |
| | | | | | | MDEQ | M.Boyce | 6/2/2005 | | | | | | | | | | |
| 6 | MT | 06177500 | Redwater River at Circle | 43.5144 | -102.492 | REMAP | 091.0 | 8/26/2000 | 1929-2004 | 1983-2004 | 65 | 97 | 1416.7 | 729.79 | S | 0.66 | Silt/Clay | 0.27 |
| 7 | MT | 06205000 | Stillwater River near Absarokee | 47.1631 | -103.993 | EMAP | WMTP99-0709 | 7/26/2002 | 1910-2007 | 1974-2007 | 64 | 20 | 2525.2 | 1180.73 | S | 4.28 | Boulder/Cobble | - |
| 8 | MT | 06214500 | Yellowstone River at Billings | 47.1786 | -101.785 | EMAP | WMTP99-0599 | 8/14/2001 | 1904-2007 | 1974-2007 | 78 | 184 | 30574.8 | 939.20 | S | 43.20 | Boulder/Cobble | 38.00 |
| 9 | MT | 06217500 | Yellowstone River at Huntley | 47.3428 | -102.618 | EMAP | WMTP99-0624 | 8/16/2001 | 1907-1916 | - | 3 | 73 | 33255.4 | 914.70 | U | 36.32 | Boulder/Cobble | - |
| 10 | MT | 06294000 | Little Bighorn River near Hardin | 47.3631 | -101.908 | MDEQ | R.Bramblett | 6/1/2002 | 1953-2007 | 1974-2007 | 53 | 69 | 3351.4 | 878.52 | U | 78.79 | Gravel | 27.00 |
| 11 | MT | 06294995 | Armells Creek near Forsyth | 46.8656 | -102.949 | REMAP | S06.0 | 8/30/2001 | 1975-1995 | 1983-1995 | 16 | 130 | 958.3 | 780.29 | S | 1.53 | Gravel | 42.00 |
| 12 | MT | 06295250 | Rosebud Creek near Colstrip | 46.4639 | -102.739 | REMAP | R06.0 | 8/14/2000 | 1974-2006 | 1974-2007 | 31 | 95 | 2069.4 | 914.40 | S | 1.66 | Silt/Clay | 0.22 |
| 13 | MT | 06296003 | Rosebud Creek at Mouth near Rosebud | 46.1111 | -103.039 | MDEQ | USGS | 9/14/2005 | 1974-2006 | 1974-2006 | 31 | 149 | 3372.2 | 755.90 | S | 3.10 | Boulder/Cobble | 42.00 |
| 14 | MT | 06296120 | Yellowstone River near Miles City | 45.0069 | -107.615 | EMAP | WMTP99-0587 | 7/20/2000 | 1974-1984 | - | 7 | 78 | - | - | U | - | Boulder/Cobble | 52.00 |
| 15 | MT | 06306300 | Tongue River at State Line near Decker | 45.0089 | -106.836 | MDEQ | USGS | 8/28/2006 | 1960-2007 | - | 46 | 78 | 3763.3 | 1045.16 | - | 10.00 | - | - |
| 16 | MT | 06307600 | Hanging Woman Creek near Birney | 44.4911 | -106.178 | REMAP | S05.0 | 8/29/2001 | 1973-2007 | 1983-2007 | 22 | 166 | 1217.3 | 960.12 | S | 0.24 | Silt/Clay | 0.37 |
| | | | | | | MDEQ | M.Backes | 6/17/2003 | | | | | | | | | | |
| 17 | MT | 06307616 | Tongue River at Birney Day School Br - Birney | 44.5525 | -106.536 | EMAP | WMTP99-0519 | 7/23/2000 | 1979-2008 | 1979-2007 | 27 | 103 | 6788.4 | 932.69 | S | 2.87 | Gravel | 8.00 |
| | | | | | | MDEQ | USGS | 8/30/2006 | | | | | | | | | | |
| 18 | MT | 06307740 | Otter Creek at Ashland | 44.9269 | -105.353 | MDEQ | USGS | 6/30/2005 | 1972-2007 | 1983-2007 | 21 | 167 | 1831.1 | 888.95 | S | 0.18 | Silt/Clay | 0.53 |
| | | | | | | MDEQ | USGS | 6/28/2006 | | | | | | | | | | |
| 19 | MT | 06307830 | Tongue River below Brandenburg Br. - Ashland | 43.4855 | -105.228 | MDEQ | USGS | 8/31/2006 | 1973-2007 | 1983-2007 | 16 | 134 | 10225.3 | 841.25 | U | 5.69 | Boulder/Cobble | - |
| | | | | | | MDEQ | V.Riggs | 7/30/2003 | | | | | | | | | | |
| | | | | | | MDEQ | V.Riggs | 7/21/2004 | | | | | | | | | | |
| | | | | | | MDEQ | V.Riggs | 7/14/2005 | | | | | | | | | | |
| | | | | | | MDEQ | V.Riggs | 7/3/2006 | | | | | | | | | | |
| 20 | MT | 06308400 | Pumpkin Creek near Miles City | 43.6550 | -104.909 | REMAP | 165.1 | 9/22/1999 | 1972-2007 | 1984-2007 | 13 | 72 | 1805.2 | 758.95 | U | 31.90 | Gravel | 8.00 |
| | | | | | | REMAP | 165.2 | 7/17/2000 | | | | | | | | | | |
| | | | | | | REMAP | 165.3 | 9/19/2000 | | | | | | | | | | |
| 21 | WY | 06313000 | South Fork Powder River near Kaycee | 43.3694 | -104.272 | EMAP | WY10467 | 7/21/2004 | 1938-1984 | 1983-1984 | 20 | 87 | 2978.5 | 1399.03 | U | 1263.82 | Sand | 2.30 |
| 22 | WY | 06313400 | Salt Creek near Sussex | 43.9844 | -105.388 | EMAP | WWYP99-0524 | 8/1/2000 | 1976-1993 | 1980-1993 | 14 | 112 | 1991.7 | 1365.50 | U | 143.22 | - | - |
| 23 | WY | 06317000 | Powder River at Arvada | 44.2883 | -105.477 | EMAP | WWYP99-0531 | 8/3/2000 | 1930-2007 | 1980-2007 | 74 | 52 | 15669.4 | 1103.38 | U | 188.23 | Sand | 1.22 |
| 24 | MT | 06325500 | Little Powder River near Broadus | 46.5241 | -110.972 | EMAP | WMTP99-0642 | 10/11/2001 | 1947-1972 | 2003-2007 | 18 | 43 | 5112.6 | 920.50 | U | 1.67 | Gravel | 10.00 |
| | | | | | | EMAP | WMTP99-0648 | 10/12/2001 | | | | | | | | | | |
| | | | | | | REMAP | 160.0 | 8/12/2000 | | | | | | | | | | |
| 25 | MT | 06326300 | Mizpah Creek near Mizpah | 46.7052 | -111.193 | REMAP | 145.0 | 7/18/2001 | 1974-1986 | 1974-1989 | 11 | 66 | 2064.2 | 758.95 | U | 16.94 | Gravel | 5.50 |
| 26 | MT | 06326500 | Powder River near Locate | 46.7055 | -111.193 | EMAP | WMTP99-0537 | 9/13/2000 | 1938-2007 | 1983-2007 | 68 | 260 | 33846.0 | 726.86 | U | 102.47 | Sand | 1.60 |
| | | | | | | MDEQ | USGS | 7/21/2005 | | | | | | | | | | |
| 27 | MT | 06326555 | Cherry Creek near Terry | 46.8075 | -111.159 | MDEQ | J. Platz | 7/26/2005 | 1979-1994 | 1977-1994 | 4 | 61 | 927.2 | 701.34 | S | 1.49 | Gravel | 30.50 |
| 28 | MT | 06326600 | O'Fallon Creek near Ismay | 47.6308 | -108.688 | EMAP | WMTP99-0604 | 10/7/2001 | 1977-1992 | 1977-1992 | 14 | 66 | 1732.7 | 789.43 | S | 3.71 | Sand | 3.20 |
| 29 | ND | 06331850 | Beaver Creek near Ray | 47.4142 | -105.576 | EMAP | WNDP01-R006 | 8/22/2003 | 1977-1982 | - | 4 | 50 | 264.2 | 569.98 | S | 1.07 | Gravel | 9.80 |
| 30 | ND | 06332515 | Bear Den Creek near Mandaree | 47.4253 | -105.617 | NDDHID | 553077 | 7/7/1999 | 1966-2007 | 1966-2007 | 40 | 151 | 191.7 | 593.62 | U | 12.53 | Silt/Clay | 0.23 |
| 31 | ND | 06335500 | Little Missouri River at Marmarth | 48.0772 | -104.584 | C.Berry | (King) | Sept'97/98 | 1938-2007 | 1938-2007 | 68 | 56 | 12017.5 | 818.79 | U | 76.80 | Sand/Gravel | 1.85 |
| | | | | | | C.Berry | (King) | 1999 | | | | | | | | | | |
| | | | | | | NDDHID | 553061 | 9/1/1998 | | | | | | | | | | |
| | | | | | | NDDHID | 553061 | 7/28/1999 | | | | | | | | | | |
| | | | | | | NDDHID | 553061 | 9/7/1999 | | | | | | | | | | |
| | | | | | | NDDHID | 553061 | 8/2/2000 | | | | | | | | | | |
| | | | | | | C.Berry | USF&WS | 1997 | | | | | | | | | | |
| | | | | | | C.Berry | USF&WS | 9/4/1998 | | | | | | | | | | |
| | | | | | | EMAP | WNDP01-R003 | 8/14/2001 | | | | | | | | | | |
| 32 | ND | 06335750 | Deep Creek near Amidon | 48.1250 | -104.473 | NDDHID | 553092 | 7/28/1999 | 1977-1983 | 1977-1982 | 4 | 53 | 647.5 | 749.81 | U | 9.18 | Silt/Clay | 0.30 |
| | | | | | | EMAP | WNDP99-0707 | 6/10/2003 | | | | | | | | | | |
| 33 | ND | 06336000 | Little Missouri River at Medora | 45.7383 | -110.48 | NDDHID | 553064 | 9/2/1998 | 1903-2007 | 2001-2007 | 43 | 76 | 16032.0 | 684.81 | U | 143.97 | Gravel | 7.55 |
| | | | | | | NDDHID | 553064 | 7/27/1999 | | | | | | | | | | |
| | | | | | | NDDHID | 553064 | 9/8/1999 | | | | | | | | | | |
| | | | | | | EMAP | WNDP99-0514 | 7/22/2000 | | | | | | | | | | |
| 34 | MT | 06336500 | Beaver Creek at Wibaux | 45.5547 | -110.201 | REMAP | 041.0 | 9/24/1999 | 1938-1983 | - | 34 | 54 | 909.1 | 807.72 | S | 1.94 | Sand | 4.50 |

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| No. | State | USGS | | Site Lat | Site Long | Fish Collection Information | | | Flow Daily Data - Period of Record | SS Daily Data - Period of Record | # of Complete Years of Data | # of SS Samples | Drainage Area (km2) | Gage Datum above MSL (meters) | Channel Stability | Annual yield T/y/km2 | Dominant Bed Substrate | D50 (in mm) |
|-----|-------|------------|---|----------|-----------|-----------------------------|-------------|-------------|------------------------------------|----------------------------------|-----------------------------|-----------------|---------------------|-------------------------------|-------------------|----------------------|------------------------|-------------|
| | | Station ID | Gage identification / location description | | | Source | Site ID | Sample Date | | | | | | | | | | |
| 35 | ND | 06336600 | Beaver Creek near Trotters | 45.2902 | -109.479 | NDDHID | 553090 | 7/27/1999 | 1977-2007 | 1977-2007 | 5 | 56 | 1595.4 | 722.38 | S | 4.39 | Sand | 0.45 |
| 36 | ND | 06337000 | Little Missouri River near Watford City | 45.3738 | -109.457 | EMAP | WNDP01-R002 | 7/25/2001 | 1934-2007 | 14-1958, 1981-20 | 72 | 104 | 21522.8 | 587.97 | U | 184.20 | Sand | 0.29 |
| | | | | | | C.Berry | USF&WS | 1997 | | | | | | | | | | |
| | | | | | | C.Berry | USF&WS | 9/4/1998 | | | | | | | | | | |
| | | | | | | C.Berry | (King) | 1999 | | | | | | | | | | |
| 37 | ND | 06339100 | Knife River at Manning | 45.5511 | -109.387 | NDDHID | 553003 | 6/26/1996 | 1967-2007 | 1967-2007 | 39 | 50 | 530.9 | 657.32 | S | 3.00 | Silt/Clay | 0.29 |
| | | | | | | NDDHID | 553003 | 6/27/2000 | | | | | | | | | | |
| | | | | | | EMAP | WNDP01-R007 | 8/23/2003 | | | | | | | | | | |
| | | | | | | NDDHID | 553022 | 6/17/1997 | | | | | | | | | | |
| 38 | ND | 06339550 | Coyote Creek near Zap | 45.3374 | -108.836 | NDDHID | 553022 | 6/27/1996 | 1977-1983 | 1983 | 5 | 55 | 168.9 | 551.61 | U | 6.23 | Gravel | 4.70 |
| | | | | | | NDDHID | 553022 | 6/17/1997 | | | | | | | | | | |
| 39 | ND | 06340000 | Spring Creek at Zap | 45.8000 | -108.467 | EMAP | WNDP99-0574 | 7/27/2001 | 1924-2007 | 1945-2007 | 61 | 77 | 1421.9 | 554.55 | U | 5.85 | Gravel | 4.90 |
| 40 | ND | 06340500 | Knife River at Hazen | 45.9041 | -108.318 | EMAP | WNDP01-R009 | 8/24/2003 | 1929-2008 | 1928-2007 | 72 | 132 | 5801.6 | 521.92 | U | 15.93 | Sand | 0.37 |
| 41 | ND | 06340520 | Antelope Creek Above Hazen | 45.4770 | -108.009 | NDDHID | 553026 | 6/18/1997 | 1977-1985 | 1977-1985 | 8 | 35 | 122.2 | 548.64 | S | 2.64 | Silt/Clay | 1.57 |
| | | | | | | NDDHID | 553026 | 7/17/2000 | | | | | | | | | | |
| 42 | ND | 06342200 | Square Butte Creek above Nelson Lake - Center | 45.8167 | -106.996 | NDDHID | 553102 | 7/20/1998 | 1977-1982 | - | 4 | 57 | 196.3 | 588.26 | S | 3.83 | Sand | 0.64 |
| | | | | | | EMAP | WNDP99-0714 | 6/13/2003 | | | | | | | | | | |
| 43 | ND | 06343000 | Heart River near South Heart | 46.0861 | -106.77 | EMAP | WNDP99-0584 | 7/26/2001 | 1946-1984 | 1946-2007 | 29 | 58 | 805.5 | 740.50 | S | 8.00 | Silt/Clay | 0.36 |
| 44 | ND | 06344600 | Green River near New Hardec | 46.2497 | -106.807 | EMAP | WNDP99-0685 | 6/8/2002 | 1964-2008 | 1964-2007 | 42 | 49 | 393.7 | 765.05 | U | 2.23 | Silt/Clay | 0.35 |
| 45 | ND | 06350000 | Cannonball River at Regent | 45.7675 | -106.57 | NDDHID | 553117 | 6/28/2000 | 1950-2008 | 1950-2007 | 56 | 51 | 1502.2 | 738.50 | U | 2.76 | Sand | 0.44 |
| 46 | ND | 06354000 | Cannonball River at Breien | 45.8925 | -106.401 | NDDHID | 553150 | 8/30/2000 | 1934-2008 | 1934-2007 | 72 | 118 | 10619.0 | 510.09 | S | 23.13 | Gravel | 5.30 |
| | | | | | | C.Berry | USF&WS | Sept'96/97 | | | | | | | | | | |
| 47 | SD | 06356500 | South Fork Grand River near Cash | 46.3981 | -105.896 | EMAP | WSDP04-R038 | 6/2/2004 | 1945-2008 | 1982-2007 | 52 | 58 | 3496.5 | 738.45 | U | 14.79 | Silt/Clay | 0.46 |
| 48 | SD | 06357800 | Grand River at Little Eagle | 45.0514 | -106.927 | EMAP | WSDP99-0642 | 6/15/2001 | 1958-2008 | -1963 and 1982- | 48 | 69 | 13908.2 | 495.19 | U | 30.89 | Sand | 0.70 |
| 49 | SD | 06360500 | Moreau River near Whitehorse | 45.0089 | -106.836 | EMAP | WSDP99-0510 | 6/4/2003 | 1954-2008 | 1954-2007 | 52 | 84 | 12639.1 | 506.42 | U | 72.91 | Silt/Clay | 0.27 |
| 50 | WY | 06365900 | Cheyenne River near Dull Center | 45.2911 | -106.683 | EMAP | WDEQ-0001 | 6/1/2004 | 1976-2007 | 1985-2007 | 7 | 58 | 3954.9 | - | U | 35.13 | Sand | 1.00 |
| 51 | SD | 06400500 | Cheyenne River near Hot Springs Sd | 45.4031 | -106.143 | EMAP | WSDP99-0695 | 6/18/2002 | 1914-1972 | 2 values | 32 | 93 | 22558.8 | 972.58 | S | 233.94 | Sand/Gravel | 2.50 |
| 52 | WY | 06425780 | Belle Fourche River above Dry Creek - Piney | 46.1875 | -105.78 | EMAP | WWYP99-0671 | 9/4/2002 | 1975-1983 | - | 7 | 45 | 1538.5 | - | S | 1.94 | - | - |
| 53 | SD | 06441110 | Plum Creek below Hayes, Sd | 46.8500 | -105.325 | EMAP | WSDP04-R044 | 6/21/2004 | 1989-1995 | 1989-2007 | 5 | 36 | 652.7 | 491.34 | U | 306.48 | Silt/Clay | 1.07 |
| 54 | SD | 06445700 | White River at Slim Butte, Sd | 47.0014 | -104.942 | EMAP | WSDP99-0579 | 9/4/2001 | 1989-1997 | 1990-1997 | 13 | 89 | 3885.0 | 914.40 | U | 45.85 | Silt/Clay | 0.70 |
| 55 | SD | 06446200 | White River near Rockyford Sd | 47.1211 | -104.665 | EMAP | WSDP99-0599 | 6/19/2002 | 1964-1970 | - | 5 | 37 | 7770.0 | 790.45 | U | 19.78 | Sand | 2.00 |
| 56 | SD | 06447000 | White River near Kadoka | 47.1622 | -104.703 | EMAP | WSDP99-0547 | 7/16/2000 | 1942-2008 | 1982-2007 | 64 | 126 | 12949.9 | 646.84 | S | 723.60 | Sand | 0.78 |
| 57 | SD | 06449300 | Little White River Abv Rosebud Sd | 47.2472 | -104.305 | EMAP | WSDP04-R036 | 7/24/2004 | 1981-1999 | 1981-2006 | 17 | 46 | 2305.1 | 736.40 | U | 31.63 | Sand | 0.34 |
| | | | | | | EMAP | WSDP99-0696 | 7/17/2002 | | | | | | | | | | |
| 58 | SD | 06452000 | White River near Oacoma | 47.3722 | -104.43 | EMAP | WSDP99-0582 | 9/3/2002 | 1928-2008 | 1950-2007 | 78 | 364 | 26417.9 | 419.80 | U | 238.65 | Sand | 0.71 |

MEDIAN