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Upper South Saskatchewan River Sub-Major Basin

Included with Missouri River Basin for Administrative Purposes

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Montana Department of Environmental Quality

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### Appendix A: Impaired Waters

**HUC:** 09040001  St. Marys  
**Watershed:** Upper South Saskatchewan River

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## Appendix A: Impaired Waters

**HUC:** 10020001  **Watershed:** Missouri Headwaters

### TMDL Planning Area

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### Appendix A: Impaired Waters

**HUC:** 10020001 **Red Rock**  
**Watershed:** Missouri Headwaters

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**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

*F* = Fully Supporting; *T* = Threatened; *N* = Not Fully Supporting; *I* = Insufficient Information; *X* = Not Assessed; *-* = Beneficial Use Not Assigned

*The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.*
## Appendix A: Impaired Waters

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**Watershed:** Missouri Headwaters

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*AqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation  
F=Fully Supporting;  T=Threatened;  N=Not Fully Supporting;  I=Insufficient Information;  X=Not Assessed;  * = Beneficial Use Not Assigned  
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.*

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## Appendix A: Impaired Waters

**HUC:** 10020001  **Watershed:** Missouri Headwaters

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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed
* = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10020002  **Watershed:** Missouri Headwaters

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AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

### HUC: 10020002  Beaverhead  Watershed: Missouri Headwaters

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**Notes:**
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### Appendix A: Impaired Waters

**HUC:** 10020002  **Watershed:** Missouri Headwaters

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<th>TMDL Planning Area</th>
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### Appendix A: Impaired Waters

**HUC:** 10020002  **Watershed:** Missouri Headwaters

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## Appendix A: Impaired Waters

### Watershed: Missouri Headwaters

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Aql=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation

* F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

**HUC**: 10020003  **Watershed**: Missouri Headwaters

### Missouri Headwaters Watershed: HUC: 10020003

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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

### Watershed: Missouri Headwaters

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**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

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Appendix A: Impaired Waters

HUC: 10020003 Ruby

Watershed: Missouri Headwaters

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AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; - = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

### Watershed: Missouri Headwaters

### HUC: 10020004 Big Hole

<table>
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<tr>
<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name</th>
<th>Source Name</th>
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<td>MT41D001_010</td>
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<td>Cadmium, Copper, Lead, Low flow alterations, Physical substrate habitat alterations, Temperature, water</td>
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## Appendix A: Impaired Waters

**HUC:** 10020004  **Watershed:** Missouri Headwaters

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<th>Source Name *</th>
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<td>Sedimentation/Siltation</td>
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</table>

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## Appendix A: Impaired Waters

**HUC:** 10020004  **Big Hole**  
**Watershed:** Missouri Headwaters

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<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Class</th>
<th>Use</th>
<th>Beneficial Use</th>
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<th>Source Name *</th>
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<td>Impacts from Abandoned Mine Lands (Inactive)</td>
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<td>Lower Big Hole</td>
<td>MT41D002_090</td>
<td>BIRCH CREEK, headwaters to National Forest Boundary</td>
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<td>13.91</td>
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<td>Alteration in stream-side or littoral vegetative covers, Low flow alterations, Physical substrate habitat alterations, Sedimentation/Siltation</td>
<td>Agriculture, Grazing in Riparian or Shoreline Zones, Impacts from Hydrostructure Flow Regulation/modification, Irrigated Crop Production, Streambank Modifications/destabilization</td>
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<td>Channelization, Dam and Impoundment, Impacts from Hydrostructure Flow Regulation/modification, Irrigated Crop Production</td>
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<td>WICKUP CREEK, headwaters to mouth (Camp Creek), T2S R8W S1</td>
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<td>Alteration in stream-side or littoral vegetative covers, Bottom Deposits, Copper, Lead, Mercury, Phosphorus (Total)</td>
<td>Forest Roads (Road Construction and Use), Grazing in Riparian or Shoreline Zones, Subsurface (Hardrock) Mining</td>
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<td>Alteration in stream-side or littoral vegetative covers, Nitrogen (Total), Phosphorus (Total), Sedimentation/Siltation</td>
<td>Grazing in Riparian or Shoreline Zones, Irrigated Crop Production, Unspecified Unpaved Road or Trail</td>
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<td>MT41D002_150</td>
<td>CHARCOAL CREEK, headwaters to mouth (Big Hole River)</td>
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<td>Grazing in Riparian or Shoreline Zones, Unspecified Unpaved Road or Trail</td>
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</tbody>
</table>

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## HUC: 10020004  Big Hole  
**Watershed:** Missouri Headwaters

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<th>Beneficial Use</th>
<th>Cause Name</th>
<th>Source Name</th>
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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation*  
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### Appendix A: Impaired Waters

**HUC:** 10020004  **Big Hole**  
**Watershed:** Missouri Headwaters

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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation*  
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## Appendix A: Impaired Waters

**HUC:** 10020004  **Watershed:** Missouri Headwaters

### TMDL Planning Area

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## Appendix A: Impaired Waters

**Watershed:** Missouri Headwaters  
**HUC:** 10020004  
**Big Hole**

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**Appendix A: Impaired Waters**

**HUC:** 10020004  **Watershed:** Missouri Headwaters

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<td>Sedimentation/Siltation</td>
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<td>MT41D004_080</td>
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<td>A-1</td>
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<td>Physical substrate habitat alterations</td>
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<td>Sedimentation/Siltation</td>
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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

#### Watershed: Missouri Headwaters

<table>
<thead>
<tr>
<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name</th>
<th>Source Name</th>
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<tr>
<td>North Fork Big Hole</td>
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<td>TRAIL CREEK, Joseph Creek to mouth (North Fork Big Hole River)</td>
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**Notes:**
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### Appendix A: Impaired Waters

**HUC:** 10020004  **Watershed:** Missouri Headwaters

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<th>Units</th>
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<th>Cause Name *</th>
<th>Source Name *</th>
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<td>MINER CREEK, headwaters to mouth</td>
<td>4A</td>
<td>21.88</td>
<td>MILES</td>
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<td>mouth (Warm Springs Creek)</td>
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<td>mouth (Big Hole River)</td>
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### Appendix A: Impaired Waters

**HUC:** 10020004  **Watershed:** Missouri Headwaters

<table>
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<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
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<th>Source Name *</th>
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<td>Middle Big Hole</td>
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## Appendix A: Impaired Waters

**HUC:** 10020005  **Watershed:** Missouri Headwaters

### TMDL Planning Area

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<th>TMDL Planning Area</th>
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<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name</th>
<th>Source Name</th>
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<td>Lead</td>
<td>Impacts from Abandoned Mine Lands (Inactive)</td>
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<td>Low flow alterations</td>
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<td>Physical substrate habitat alterations</td>
<td>Irrigated Crop Production</td>
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<td>X</td>
<td>Sedimentation/Siltation</td>
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<td>X</td>
<td>Solids (Suspended/Bedload)</td>
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<td>Lead</td>
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<td>Low flow alterations</td>
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<td>Physical substrate habitat alterations</td>
<td>Irrigated Crop Production</td>
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<td>F</td>
<td>Sedimentation/Siltation</td>
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<td>Solids (Suspended/Bedload)</td>
<td>Natural Sources</td>
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<td>X</td>
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<td>Streambank Modifications/destabilization</td>
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<td>Upper Jefferson</td>
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<td>22.46</td>
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<td>Agriculture</td>
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<td>Channelization</td>
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<td>Total Suspended Solids (TSS)</td>
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## Appendix A: Impaired Waters

**Watershed:** Missouri Headwaters

### HUC: 10020005 Jefferson

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<th>Units</th>
<th>Use Class</th>
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<th>DW</th>
<th>Rec</th>
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<th>Source Name *</th>
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<tbody>
<tr>
<td>Upper Jefferson</td>
<td>MT41G002_010</td>
<td>BIG PIPESTONE CREEK, headwaters to mouth (Jefferson Slough), T1N R4W S11</td>
<td>5</td>
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<td>MILES</td>
<td>B-1</td>
<td>N</td>
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<td>N</td>
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<td>Unspecified Unpaved Road or Trail</td>
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<td>HALFWAY CREEK, headwaters to mouth (Big Pipestone Creek-Jefferson River)</td>
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<td>7.9</td>
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<td>N</td>
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<td>Loss of Riparian Habitat</td>
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<td>HILLS CANYON CREEK, headwaters to mouth (Jefferson River)</td>
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<td>Grazing in Riparian or Shoreline Zones</td>
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<td>Upper Jefferson</td>
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<td>LITTLE PIPESTONE CREEK, headwaters to mouth (Big Pipestone Creek)</td>
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<td>MT41G002_050</td>
<td>NORTH WILLOW CREEK, headwaters to mouth (Willow Creek)</td>
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<td>F</td>
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<td>Channelization</td>
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## Appendix A: Impaired Waters

### Watershed: Missouri Headwaters

**HUC:** 10020005  
**Jefferson**

### TMDL Planning Area

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<th>ID30SB</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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</thead>
<tbody>
<tr>
<td>Lower Jefferson</td>
<td>SOUTH BOULDER RIVER, headwaters to mouth (Jefferson River)</td>
<td>5</td>
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<td>MILES</td>
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<td>WILLOW CREEK, North and South Fork confluence to mouth (Jefferson River)</td>
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<td>N</td>
<td>F</td>
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<td>Lower Jefferson</td>
<td>NORWEGIAN CREEK, headwaters to mouth (Willow Creek Reservoir)</td>
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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10020005  
**Watershed:** Missouri Headwaters

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<th>Class</th>
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**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

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### Appendix A: Impaired Waters

**HUC:** 10020006  **Boulder**  
**Watershed:** Missouri Headwaters

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<th>Source Name *</th>
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## Appendix A: Impaired Waters

**HUC:** 10020006  Boulder  
**Watershed:** Missouri Headwaters

### TMDL Planning Area

<table>
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<th>Waterbody Name/Location</th>
<th>Category</th>
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<th>Units</th>
<th>Use Class</th>
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<th>Cause Name</th>
<th>Source Name</th>
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| BOULDER RIVER, Cottonwood Creek to the mouth (Jefferson Slough), T1N R3W S2 | 4A | 14.12 | MILES | B-1 | N | X | N | X | Low flow alterations  
Sedimentation/Siltation  
Temperature, water  
Zinc |
| **Boulder - Elkhorn**   |          |      |       |           |               |             |              |
| UNCLE SAM GULCH, headwaters to mouth (Cataract Creek) | 4A | 2.89 | MILES | B-1 | N | X | N | N | Alteration in stream-side or littoral vegetative covers  
Aluminum  
Arsenic  
Cadmium  
Copper  
Lead  
Nitrogen, Nitrate  
Other flow regime alterations  
Sedimentation/Siltation  
Turbidity  
Zinc |
| **Boulder - Elkhorn**   |          |      |       |           |               |             |              |
| CATALACT CREEK, headwaters to mouth (Boulder River) | 4A | 11.72 | MILES | B-1 | N | X | N | F | Aluminum  
Arsenic  
Cadmium  
Copper  
Lead  
Sedimentation/Siltation  
Zinc |
| **Boulder - Elkhorn**   |          |      |       |           |               |             |              |
| BASIN CREEK, headwaters to mouth (Boulder River) | 4A | 16.7 | MILES | A-1 | N | X | N | X | Alteration in stream-side or littoral vegetative covers  
Aluminum  
Arsenic |

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## Appendix A: Impaired Waters

**HUC:** 10020006  **Boulder**

**Watershed:** Missouri Headwaters

### TMDL Planning Area

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## Appendix A: Impaired Waters

**HUC:** 10020006  Boulder  **Watershed:** Missouri Headwaters

<table>
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<tr>
<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
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<th>Source Name *</th>
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Appendix A: Impaired Waters

**HUC:** 10020006  Boulder  **Watershed:** Missouri Headwaters

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### Appendix A: Impaired Waters

**HUC:** 10020007  **Watershed:** Missouri Headwaters

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**Watershed:** Missouri Headwaters

**HUC:** 10020007  **Madison**

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<th>ID305B</th>
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<th>Size</th>
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**Legend:**
- AqL = Aquatic Life
- Ag = Agriculture
- DW = Drinking Water
- Rec = Primary Contact Recreation
- F = Fully Supporting
- T = Threatened
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- I = Insufficient Information
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### Appendix A: Impaired Waters

**HUC:** 10020007  **Watershed:** Missouri Headwaters

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# Appendix A: Impaired Waters

## Missouri Headwaters

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<th>Units</th>
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<th>Beneficial Use</th>
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<th>Source Name *</th>
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</table>

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## Appendix A: Impaired Waters

**HUC:** 10020008  **Watershed:** Missouri Headwaters

### TMDL Planning Area | ID305B | Waterbody Name/Location | Category | Size | Units | Use Class | Beneficial Use | Cause Name | Source Name |
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## Appendix A: Impaired Waters

**HUC:** 10020008  **Watershed:** Missouri Headwaters

### Lower Gallatin

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<th>Cause Name</th>
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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

**HUC:** 10020008  **Watershed:** Missouri Headwaters

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**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

* F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

**HUC:** 10020008  **Gallatin**  
**Watershed:** Missouri Headwaters

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### Appendix A: Impaired Waters

**HUC:** 10030101  **Watershed:** Upper Missouri

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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; *= Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

**HUC:** 10030101  **Watershed:** Upper Missouri

### TMDL Planning Area | ID305B | Waterbody Name/Location | Category | Size | Units | Use Class | Beneficial Use | Cause Name | Source Name |
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## Appendix A: Impaired Waters

**HUC:** 10030101  **Watershed:** Upper Missouri

### TMDL Planning Area

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# Appendix A: Impaired Waters

**HUC:** 10030101  **Watershed:** Upper Missouri

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# Appendix A: Impaired Waters

**HUC:** 10030101  Upper Missouri  **Watershed:** Upper Missouri

<table>
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<tr>
<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
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<th>Beneficial Use</th>
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<th>Source Name *</th>
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<td>PRICKLY PEAR CREEK, Helena WWTP Discharge Ditch to Lake Helena</td>
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<td>I</td>
<td>N F N N</td>
<td>Alteration in stream-side or littoral vegetative covers Ammonia (Un-ionized) Arsenic Cadmium Copper Lead Low flow alterations Nitrate/Nitrite (Nitrate + Nitrate as N)</td>
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</table>

**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; - = Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

**HUC:** 10030101  **Watershed:** Upper Missouri

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### Appendix A: Impaired Waters

**HUC:** 10030101  Upper Missouri  
**Watershed:** Upper Missouri

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**AqL**=Aquatic Life;  **Ag**=Agriculture;  **DW**=Drinking Water;  **Rec**=Primary Contact Recreation  
**F**=Fully Supporting;  **T**=Threatened;  **N**=Not Fully Supporting;  **I**=Insufficient Information;  **X**=Not Assessed;  *= Beneficial Use Not Assigned  
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10030101  **Watershed:** Upper Missouri

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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

### HUC: 10030101  Upper Missouri  Watershed:  Upper Missouri

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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.

**Legend:**
- AqL = Aquatic Life
- Ag = Agriculture
- DW = Drinking Water
- Rec = Primary Contact Recreation
- F = Fully Supporting
- T = Threatened
- N = Not Fully Supporting
- I = Insufficient Information
- X = Not Assessed
- - = Beneficial Use Not Assigned

A-61 of 235
## Appendix A: Impaired Waters

**HUC:** 10030101  **Watershed:** Upper Missouri

### Upper Missouri Watershed:

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AqL = Aquatic Life;  Ag = Agriculture;  DW = Drinking Water;  Rec = Primary Contact Recreation
F = Fully Supporting;  T = Threatened;  N = Not Fully Supporting;  I = Insufficient Information;  X = Not Assessed;  * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

### Upper Missouri Watershed:

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### Appendix A: Impaired Waters

**HUC**: 10030101  **Watershed**: Upper Missouri

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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.

* Nitrate/Nitrite (Nitrite + Nitrate as N)
  - Grazing in Riparian or Shoreline Zones
  - Highway/Road/Bridge Runoff (Non-construction Related)
  - Impacts from Abandoned Mine Lands (Inactive)
  - Impacts from Hydrostructure Flow Regulation/modification
  - Mine Tailings
  - Municipal Point Source Discharges
  - Natural Sources
  - On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)
  - Silviculture Activities
  - Source Unknown

* Oxygen, Dissolved

* Phosphorus (Total)
### Appendix A: Impaired Waters

**HUC:** 10030102  Upper Missouri-Dearborn  **Watershed:** Upper Missouri

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* AqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation
  F=Fully Supporting;  T=Threatened;  N=Not Fully Supporting;  I=Insufficient Information;  X=Not Assessed;  * = Beneficial Use Not Assigned
  * The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10030102  **Upper Missouri-Dearborn**  
**Watershed:** Upper Missouri

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<tr>
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<th>Source Name</th>
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**AqL**—Aquatic Life; **Ag**—Agriculture; **DW**—Drinking Water; **Rec**—Primary Contact Recreation  
**F**—Fully Supporting; **T**—Threatened; **N**—Not Fully Supporting; **I**—Insufficient Information; **X**—Not Assessed; **-**= Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

**HUC:** 10030102  Upper Missouri-Dearborn  **Watershed:** Upper Missouri

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**AqL**-Aquatic Life; **Ag**-Agriculture; **DW**-Drinking Water; **Rec**-Primary Contact Recreation

F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10030102  Upper Missouri-Dearborn  **Watershed:** Upper Missouri

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<th>Size</th>
<th>Units</th>
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<th>Source Name *</th>
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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
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## Appendix A: Impaired Waters

### Upper Missouri Watershed:

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**Notes:**
- AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
- F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed
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### Appendix A: Impaired Waters

**HUC:** 10030103  **Watershed:** Upper Missouri

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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

**HUC:** 10030104 **Watershed:** Upper Missouri

### TMDL Planning Area

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**AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation**

F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10030105  Belt  **Watershed:** Upper Missouri

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**Watershed:** Upper Missouri

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AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation  
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned  
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
Marias
Sub-Major Basin

Lower Missouri River Basin

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<td>Two Medicine</td>
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<td>10030202</td>
<td>Cut Bank</td>
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<td>10030204</td>
<td>Willow</td>
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<td>10030205</td>
<td>Teton</td>
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### Appendix A: Impaired Waters

**HUC:** 10030201  **Watershed:** Marias

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<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<tr>
<td>Cut Bank - Two Medicine</td>
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<td>BIRCH CREEK, Blacktail Creek to mouth (Two Medicine River)</td>
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<td>Cut Bank - Two Medicine</td>
<td>MT41M002_100</td>
<td>SOUTH FORK DUPUYER CREEK, Bob Marshall Wilderness boundary to mouth (Dupuyer Creek)</td>
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<td>Cut Bank - Two Medicine</td>
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<td>DUPUYER CREEK, confluence of South Fork Dupuyer Creek and Middle Fork Dupuyer Creek to the mouth (Birch Creek)</td>
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<td>39.28</td>
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<td>Agriculture Crop Production (Crop Land or Dry Land Flow Alterations from Water Diversions Irrigated Crop Production</td>
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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10030202  **Watershed:** Marias

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<th>Units</th>
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<th>Beneficial Use AqL Ag DW Rec</th>
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<th>Source Name *</th>
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<td>Cut Bank - Two Medicine</td>
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<td>OLD MAIDS COULEE, headwaters to () mouth (Cutbank Creek)</td>
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</table>

AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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Appendix A: Impaired Waters

HUC: 10030203  Watershed: Marias

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<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name</th>
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<tr>
<td>Marias - Willow</td>
<td>MT41P002_030</td>
<td>PONDERA COULEE, headwaters to mouth (Marias River)</td>
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<td>Alteration in stream-side or littoral vegetative covers, Physical substrate habitat alterations</td>
<td>Agriculture</td>
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<td>MT41P002_050</td>
<td>CORRAL CREEK, headwaters to mouth (Cottonwood Creek)</td>
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<td>22.98</td>
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<td>N</td>
<td>Phosphorus (Total)</td>
<td>Agriculture</td>
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*AqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation
F=Fully Supporting;  T=Threatened;  N=Not Fully Supporting;  I=Insufficient Information;  X=Not Assessed;  - = Beneficial Use Not Assigned

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**Appendix A: Impaired Waters**

**HUC:** 10030204  **Watershed:** Marias

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<th>Source Name *</th>
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### Appendix A: Impaired Waters

**HUC:** 10030205  
**Watershed:** Marias

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<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
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<th>Source Name *</th>
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<td>Sedimentation/Siltation</td>
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F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; - = Beneficial Use Not Assigned  
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# Appendix A: Impaired Waters

**HUC:** 10030205  **Watershed:** Marias

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<th>Size</th>
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<th>Source Name *</th>
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<td>MT41O002_020</td>
<td>DEEP CREEK, Willow Creek to mouth (Teton River)</td>
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<td>MT41O002_042</td>
<td>BLACKLEAF CREEK, Cow Creek to mouth (Muddy Creek)</td>
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**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

F = Fully Supporting; **T** = Threatened; **N** = Not Fully Supporting; **I** = Insufficient Information; **X** = Not Assessed; **-** = Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

**HUC:** 10040101  **Watershed:** Fort Peck Lake

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<th>Units</th>
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<th>Cause Name *</th>
<th>Source Name *</th>
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<td>Missouri River</td>
<td>MT41T001_010</td>
<td>MISSOURI RIVER, the Marias River to Bullwhacker Creek</td>
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<td>Agriculture</td>
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<td></td>
<td></td>
<td>Copper</td>
<td>Grazing in Riparian or Shoreline Zones</td>
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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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**Appendix A: Impaired Waters**

**HUC:** 10040102  **Arrow**  
**Watershed:** Fort Peck Lake

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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
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AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned
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## Appendix A: Impaired Waters

**HUC:** 10040103  **Watershed:** Fort Peck Lake

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<td>ROSS FORK JUDITH RIVER, headwaters to mouth (Judith River)</td>
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<td>MT41S004_010</td>
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* F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

**HUC:** 10040103  **Judith**  
**Watershed:** Fort Peck Lake

#### TMDL Planning Area

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<th>Source Name *</th>
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## Appendix A: Impaired Waters

### HUC: 10040104  Fort Peck Reservoir  
**Watershed:** Fort Peck Lake

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<td>N F N X Altered in stream-side or littoral vegetative covers Arsenic Copper Acid Mine Drainage Impacts from Abandoned Mine Lands (inactive)</td>
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<td>Landusky</td>
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<td>MONTANA GULCH, headwaters to mouth (Rock Creek)</td>
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<td>N - N X Aluminum Arsenic Cadmium Copper Iron Mercury Zinc pH Acid Mine Drainage Impacts from Abandoned Mine Lands (inactive)</td>
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### Appendix A: Impaired Waters

**HUC:** 10040104  **Watershed:** Fort Peck Reservoir

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* AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned
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## Appendix A: Impaired Waters

**HUC:** 10040104  **Watershed:** Fort Peck Reservoir

### Fort Peck Lake Watershed: 10040104

<table>
<thead>
<tr>
<th>TMDL Planning Area</th>
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<th>Source Name *</th>
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## Appendix A: Impaired Waters

**HUC:** 10040104  Fort Peck Reservoir  **Watershed:** Fort Peck Lake

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<th>Source Name *</th>
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**Notes:**
- AqL = Aquatic Life;  Ag = Agriculture;  DW = Drinking Water;  Rec = Primary Contact Recreation
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*Beneficial Use Not Assigned*
## Appendix A: Impaired Waters

**HUC:** 10040105  **Watershed:** Fort Peck Lake

### Fort Peck Lake Watershed: 10040105

#### Watershed:
- Big Dry

#### Beneficial Use
- AqL = Aquatic Life
- Ag = Agriculture
- DW = Drinking Water
- Rec = Primary Contact Recreation

#### Category
- T = Threatened
- N = Not Fully Supporting
- I = Insufficient Information
- X = Not Assessed

#### Use Class
- C-3

#### Cause Name
- Alteration in stream-side or littoral vegetative covers
- Ammonia (Un-ionized)
- Nitrate/Nitrite (Nitrite + Nitrate as N)
- Nitrogen (Total)
- Phosphorus (Total)

#### Source Name
- Agriculture
- Municipal Point Source Discharges

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<td>BIG DRY CREEK, Steves Fork to mouth (Fort Peck Reservoir)</td>
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Musselshell Sub-Major Basin

Lower Missouri River Basin

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## Appendix A: Impaired Waters

**HUC:** 10040201  **Watershed:** Musselshell

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### Appendix A: Impaired Waters

**HUC:** 10040201  **Watershed:** Musselshell

#### TMDL Planning Area

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<th>Units</th>
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<th>Source Name *</th>
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<td>Non-irrigated Crop Production</td>
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### TMDL Planning Area

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### AqL-Aquatic Life; Ag-Agriculture; DW-Drinking Water; Rec-Primary Contact Recreation

F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10040202  **Watershed:** Musselshell

| TMDL Planning Area | ID305B       | Waterbody Name/Location                                                                 | Category | Size   | Units | Use Class | Beneficial Use | Cause Name                  | Source Name                  |
|--------------------|--------------|----------------------------------------------------------------------------------------|----------|--------|-------|-----------|-----------------|----------------------------|
| Upper - Middle Musselshell | MT40C001_010 | MUSSELSFELL RIVER, HUC boundary near Roundup to Flatwillow Creek                        | 4C       | 114.6  | MILES | C-3       | N               | Alteration in stream-side or littoral vegetative covers | Agriculture                |
|                     |              |                                                                                       |          |        |       |           |                 | Low flow alterations              | Channelization             |
|                     |              |                                                                                       |          |        |       |           |                 | Physical substrate habitat alterations | Impacts from Hydrostructure Flow Regulation/modification |
|                     | MT40C002_010 | NORTH WILLOW CREEK, headwaters to mouth (Musselshell River)                             | 5        | 117.27 | MILES | C-3       | N               | Iron                       | Above Ground Storage Tank Leaks (Tank Farms) |
|                     |              |                                                                                       |          |        |       |           |                 | Nitrogen (Total)                | Natural Sources            |
|                     |              |                                                                                       |          |        |       |           |                 | Phosphorus (Total)             | Source Unknown             |
|                     |              |                                                                                       |          |        |       |           |                 | Sedimentation/Siltation       |                            |
|                     |              |                                                                                       |          |        |       |           |                 | Solids (Suspended/Bedload)     |                            |
|                     |              |                                                                                       |          |        |       |           |                 | Specific Conductance           |                            |
|                     |              |                                                                                       |          |        |       |           |                 | Sulfates                     |                            |

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10040203  **Watershed:** Musselshell

<table>
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<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<tr>
<td>Flatwillow - Box Elder</td>
<td>MT40B001_021</td>
<td>FLATWILLOW CREEK, headwaters to Highway 87 bridge</td>
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<td>X</td>
<td>Sedimentation/Siltation</td>
<td>Irrigated Crop Production</td>
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<td>N</td>
<td>Mercury</td>
<td>Loss of Riparian Habitat</td>
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<td>Nitrate/Nitrite (Nitrite + Nitrate as N)</td>
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<td>Sedimentation/Siltation</td>
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<td>Flatwillow - Box Elder</td>
<td>MT40B001_040</td>
<td>NORTH FORK FLATWILLOW CREEK, headwaters to confluence with South Fork</td>
<td>5</td>
<td>27.56</td>
<td>MILES</td>
<td>B-2</td>
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<td>F</td>
<td>Loss of Riparian Habitat</td>
<td>Rangeland Grazing</td>
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</tbody>
</table>

*AqL* = Aquatic Life;  *Ag* = Agriculture;  *DW* = Drinking Water;  *Rec* = Primary Contact Recreation

F = Fully Supporting;  T = Threatened;  N = Not Fully Supporting;  I = Insufficient Information;  X = Not Assessed;  * = Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10040204  **Box Elder**  
**Watershed:**  Musselshell

| TMDL Planning Area | ID305B | Waterbody Name/Location | Category | Size | Units | Use Class | Beneficial Use | Cause Name * | Source Name * |
|--------------------|--------|--------------------------|----------|------|-------|-----------|---------------|---------------|---------------|----------------|
| Flatwillow - Box Elder | MT40B002_010 | McDonal Creek, North and South Forks to mouth (Box Elder Creek) | 5 | 89.18 | MILES | C-3 | N | - | F | Alteration in stream-side or littoral vegetative covers, Sedimentation/Siltation, Specific Conductance, Total Dissolved Solids | Agriculture, Managed Pasture Grazing, Source Unknown |
| Flatwillow - Box Elder | MT40B002_020 | Fords Creek, headwaters in Chicago Gulch to East Fork Fords Creek | 4A | 2.98 | MILES | C-3 | N | - | N | X | Arsenic, Cadmium, Lead, Zinc, pH | Acid Mine Drainage, Impacts from Abandoned Mine Lands (Inactive) |
| Flatwillow - Box Elder | MT40B002_030 | Collar Gulch Creek, headwaters to mouth (Fords Creek) | 4A | 6.38 | MILES | C-3 | N | - | N | X | Aluminum, Arsenic, Cadmium, Copper, Lead, Zinc, pH | Acid Mine Drainage, Impacts from Abandoned Mine Lands (Inactive) |
| Flatwillow - Box Elder | MT40B002_040 | Chippewa Creek, headwaters to confluence with Manitoba Gulch | 4A | 3.75 | MILES | C-3 | N | - | N | X | Alteration in stream-side or littoral vegetative covers, Antimony, Arsenic, Cyanide, Iron, Mercury, Sedimentation/Siltation | Grazing in Riparian or Shoreline Zones, Heap-leach Extraction Mining, Mine Tailings |

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F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned  
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### Appendix A: Impaired Waters

**HUC:** 10040205  **Watershed:** Musselshell

**Musselshell Watershed: HUC: MT40C003_010**

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<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>AqL</th>
<th>Ag</th>
<th>DW</th>
<th>Rec</th>
<th>Cause Name</th>
<th>Source Name</th>
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<tbody>
<tr>
<td>Lower Musselshell</td>
<td>MT40C003_010</td>
<td>MUSSELSHELL RIVER, Flatwillow Creek to Fort Peck Reservoir</td>
<td>C-4</td>
<td>75.94</td>
<td>MILES</td>
<td>C-3</td>
<td>N</td>
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<td>-</td>
<td>F</td>
<td>Alteration in stream-side or littoral vegetative covers Low flow alterations</td>
<td>Agriculture</td>
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<td>Impacts from Resort Areas (Winter and Non-winter Resorts)</td>
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<td>Streambank Modifications/destabilization</td>
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<td>Lower Musselshell</td>
<td>MT40C004_030</td>
<td>BLOOD CREEK, Dovetail County Road to mouth (Musselshell River)</td>
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<td>57.36</td>
<td>MILES</td>
<td>C-3</td>
<td>N</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>Alteration in stream-side or littoral vegetative covers</td>
<td>Grazing in Riparian or Shoreline Zones</td>
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<td>Natural Sources</td>
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</table>

*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation

F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; # = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10050002  **Watershed:** Milk

<table>
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<th>TMDL Planning Area</th>
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<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name</th>
<th>Source Name</th>
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<tbody>
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<td>Upper Milk</td>
<td>MT40F003_010</td>
<td>MILK RIVER, Canada border to Fresno Reservoir</td>
<td>5</td>
<td>39.66</td>
<td>MILES</td>
<td>B-3</td>
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<td>High Flow Regime</td>
<td>Natural Sources</td>
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<td>Upper Milk</td>
<td>MT40F005_010</td>
<td>FRESNO RESERVOIR</td>
<td>4C</td>
<td>5007</td>
<td>ACRES</td>
<td>B-3</td>
<td>N</td>
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<td>X</td>
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<td>Physical substrate habitat alterations</td>
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</table>

*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

**HUC:** 10050004  **Watershed:** Milk

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<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size (MILES)</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<tbody>
<tr>
<td>Middle Milk and Tributaries</td>
<td>MT40J001_011</td>
<td>MILK RIVER, Fresno Dam to Thirtymile Creek</td>
<td>5</td>
<td>113.28</td>
<td>MILES</td>
<td>B-3</td>
<td>X</td>
<td>F</td>
<td>N</td>
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<tr>
<td>Middle Milk and Tributaries</td>
<td>MT40J001_012</td>
<td>MILK RIVER, Thirtymile Creek to Dodson Creek</td>
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<td>58.19</td>
<td>MILES</td>
<td>B-3</td>
<td>X</td>
<td>F</td>
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<td>Middle Milk and Tributaries</td>
<td>MT40J001_013</td>
<td>MILK RIVER, Dodson Creek to Whitewater Creek</td>
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<td>MILES</td>
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<td>Middle Milk and Tributaries</td>
<td>MT40J001_020</td>
<td>MILK RIVER, Whitewater Creek to Beaver Creek</td>
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<td>38.24</td>
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<td>Middle Milk and Tributaries</td>
<td>MT40J002_010</td>
<td>BEAVER CREEK, Beaver Creek Reservoir to mouth (Milk River)</td>
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<td>Middle Milk and Tributaries</td>
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<td>BULLHOOK CREEK, headwaters to the Bullhook Dam, T32N R16E S16</td>
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<td>LITTLE BOXELDER CREEK, headwaters to mouth (Milk River)</td>
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### Appendix A: Impaired Waters

**HUC:** 10050004  **Watershed:** Milk

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<th>Size</th>
<th>Units</th>
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<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<td>Middle Milk and Tributaries</td>
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<td>LITTLE BOXELDER CREEK, headwaters to mouth (Milk River)</td>
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<td>50.17</td>
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- F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10050005  **Watershed:** Milk

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<th>Beneficial Use</th>
<th>Cause Name</th>
<th>Source Name</th>
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<tr>
<td>Big Sandy - Sage</td>
<td>MT40H001_010</td>
<td>BIG SANDY CREEK, Lonesome Lake Coulee to mouth (Milk River)</td>
<td>5</td>
<td>62.93</td>
<td>MILES</td>
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<td>Sulfates</td>
<td>Crop Production (Crop Land or Dry Land)</td>
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### Appendix A: Impaired Waters

**HUC:** 10050006  **Watershed:** Milk

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<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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</thead>
<tbody>
<tr>
<td>Big Sandy - Sage</td>
<td>MT40G001_011</td>
<td>SAGE CREEK, Laird Creek to the confluence of Russell Creek, T36N R9E S32</td>
<td>4A</td>
<td>29.36</td>
<td>MILES</td>
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<td>Salinity</td>
<td>Crop Production (Crop Land or Dry Land)</td>
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<td>Grazing in Riparian or Shoreline Zones</td>
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<td>Total Dissolved Solids</td>
<td>Irrigated Crop Production</td>
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<tr>
<td>Big Sandy - Sage</td>
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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.

AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation

F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; *= Beneficial Use Not Assigned
### Appendix A: Impaired Waters

**HUC:** 10050007  **Watershed:** Milk

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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10050008  **Watershed:** Milk

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*AqL* = Aquatic Life;  *Ag* = Agriculture;  *DW* = Drinking Water;  *Rec* = Primary Contact Recreation

F = Fully Supporting;  T = Threatened;  N = Not Fully Supporting;  I = Insufficient Information;  X = Not Assessed;  * = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10050009  
**Watershed:** Milk

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## Appendix A: Impaired Waters

**HUC:** 10050009  **Watershed:** Milk

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<th>Source Name</th>
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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.

| AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation |
|---|---|---|---|---|
| F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned |
Appendix A: Impaired Waters

HUC: 10050010  Cottonwood  Watershed: Milk

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# Appendix A: Impaired Waters

**HUC:** 10050011  **Watershed:** Milk

## TMDL Planning Area

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- **AqL** = Aquatic Life;  **Ag** = Agriculture;  **DW** = Drinking Water;  **Rec** = Primary Contact Recreation
- **F** = Fully Supporting;  **T** = Threatened;  **N** = Not Fully Supporting;  **I** = Insufficient Information;  **X** = Not Assessed;  **-** = Beneficial Use Not Assigned
- * The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

### Watershed: Milk

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### Appendix A: Impaired Waters

**HUC:** 10050013  **Watershed:** Milk

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**AqL**=Aquatic Life; **Ag**=Agriculture; **DW**=Drinking Water; **Rec**=Primary Contact Recreation

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## Appendix A: Impaired Waters

**HUC:** 10050014  **Watershed:** Milk

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### Appendix A: Impaired Waters

**HUC**: 10050014  **Watershed**: Milk  

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*AqL* = Aquatic Life; *Ag* = Agriculture; *DW* = Drinking Water; *Rec* = Primary Contact Recreation  
*F* = Fully Supporting; *T* = Threatened; *N* = Not Fully Supporting; *I* = Insufficient Information; *X* = Not Assessed  
* = Beneficial Use Not Assigned  
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

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<th>Units</th>
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<th>Source Name *</th>
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### Appendix A: Impaired Waters

**HUC:** 10060001  **Watershed:** Missouri-Poplar

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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.

**Aql**=Aquatic Life;  **Ag**=Agriculture;  **DW**=Drinking Water;  **Rec**=Primary Contact Recreation

**F**=Fully Supporting;  **T**=Threatened;  **N**=Not Fully Supporting;  **I**=Insufficient Information;  **X**=Not Assessed;  * = Beneficial Use Not Assigned
## Appendix A: Impaired Waters

**HUC:** 10060002  **Watershed:** Missouri-Poplar

### TMDL Planning Area

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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned
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### Appendix A: Impaired Waters

**HUC:** 10060003  **Watershed:** Missouri-Poplar

#### TMDL Planning Area

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<th>Units</th>
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<th>Beneficial Use</th>
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<th>Source Name *</th>
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<td>Other flow regime alterations</td>
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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation*

F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10060005  **Watershed:** Missouri-Poplar

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<th>Source Name *</th>
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**Appendix A: Impaired Waters**

**HUC:** 10060006  **Watershed:** Missouri-Poplar

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**AqL** = Aquatic Life;  **Ag** = Agriculture;  **DW** = Drinking Water;  **Rec** = Primary Contact Recreation

* = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

### HUC: 10070001 Yellowstone Headwaters  
**Watershed:** Upper Yellowstone

### TMDL Planning Area | ID305B | Waterbody Name/Location | Category | Size | Units | Use Class | Beneficial Use | Cause Name | Source Name
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Yellowstone River | MT43B001_010 | YELLOWSTONE RIVER, Yellowstone Park Boundary to Reese Creek | 5 | 4.79 | MILES | B-1 | N | F | N | F | Ammonia (Total)  
Arsenic  
Copper  
Lead  
Nitrate/Nitrite (Nitrite + Nitrate as N)  
Sedimentation/Siltation

Highway/Road/Bridge Runoff (Non-construction Related)  
Impacts from Abandoned Mine Lands (Inactive)  
Natural Sources  
Source Unknown  
Subsurface (Hardrock) Mining  
Surface Mining

Yellowstone River | MT43B001_011 | YELLOWSTONE RIVER, Wyoming border to Yellowstone National Park Boundary | 5 | 8.68 | MILES | A-1 | N | X | N | X | Ammonia (Un-ionized)  
Arsenic  
Copper  
Nitrate/Nitrite (Nitrite + Nitrate as N)  
Sedimentation/Siltation

Highway/Road/Bridge Runoff (Non-construction Related)  
Impacts from Abandoned Mine Lands (Inactive)  
Natural Sources  
Source Unknown  
Subsurface (Hardrock) Mining  
Surface Mining

Paradise | MT43B002_010 | REESE CREEK, Wyoming border to mouth (Yellowstone River) | 4C | 5.23 | MILES | A-1 | N | F | F | F | Fish-Passage Barrier  
Source Unknown

Paradise | MT43B002_021 | BEAR CREEK, 1/2 mile below Jardine Mine to mouth (Yellowstone River) | 5 | 3.03 | MILES | B-1 | N | F | F | N | Low flow alterations  
Temperature, water  
Flow Alterations from Water Diversions

Cooke City | MT43B002_031 | SODA BUTTE CREEK, McLaren Tailings to Wyoming Border | 4A | 4.86 | MILES | B-1 | N | X | X | F | Copper  
Iron  
Lead  
Manganese  
Acid Mine Drainage  
Mine Tailings

Cooke City | MT43B002_040 | MILLER CREEK, headwaters to mouth (Soda Butte Creek) | 4A | 2.56 | MILES | B-1 | N | X | N | X | Aluminum  
Cadmium  
Copper  
Iron  
Lead  
Manganese  
Zinc  
Acid Mine Drainage  
Mine Tailings  
Natural Sources

*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation  
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; * = Beneficial Use Not Assigned  
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## Appendix A: Impaired Waters

**HUC:** 10070002  Upper Yellowstone  **Watershed:** Upper Yellowstone

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<th>Size</th>
<th>Units</th>
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<th>Source Name *</th>
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<td>OTTER CREEK, 2 mi downstream of Highway 191 bridge to mouth (Yellowstone River)</td>
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<td>LOWER DEER CREEK, 4 mile upstream to mouth (Yellowstone River)</td>
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<td>MILES</td>
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Note: *AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation*

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# Appendix A: Impaired Waters

**HUC:** 10070002  **Watershed:** Upper Yellowstone

### Upper Yellowstone Watershed:

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<th>TMED Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<td>Paradise</td>
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<td>BILLMAN CREEK, 1.3 miles upstream to mouth (Yellowstone River)</td>
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<td>TOM MINER CREEK, Tepee Creek to mouth (Yellowstone River)</td>
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<td>.73</td>
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<td>PINE CREEK, 2.5 miles upstream to mouth (Yellowstone River)</td>
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<td>BOULDER RIVER, Natural Bridge and Falls (T5S R12E S26) to Clayton Ditch</td>
<td>5</td>
<td>27.84</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>F</td>
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### Appendix A: Impaired Waters

**HUC:** 10070002  **Watershed:** Upper Yellowstone

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<th>TMDL Planning Area</th>
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<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<tr>
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<td>MT43B004_132</td>
<td>BOULDER RIVER, Natural Bridge and Falls (T3S R12E S26) to Clayton Ditch (T1N R14E S34)</td>
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<td>27.84</td>
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<td>Chromium (total)</td>
<td>Grazing in Riparian or Shoreline Zones</td>
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<td>BOULDER RIVER, confluence of the East Fork Boulder River to Natural bridge and Falls (T35 R12E S26)</td>
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<td>BOULDER RIVER, headwaters to confluence of East Fork Boulder River</td>
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<td>9.02</td>
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<td>N F N F</td>
<td>Copper</td>
<td>IMPACTS FROM ABANDONED MINE LANDS (INACTIVE)</td>
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## Appendix A: Impaired Waters

**HUC:** 10070002  Upper Yellowstone  
**Watershed:** Upper Yellowstone

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<th>Source Name</th>
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<td>BASIN CREEK, headwater to mouth</td>
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## Appendix A: Impaired Waters

**HUC:** 10070003  **Shields**  
**Watershed:** Upper Yellowstone

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<th>Source Name</th>
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<td>MT43A001_011</td>
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<td>COTTONWOOD CREEK, confluence of Trespass Creek to mouth (Shields River)</td>
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### Appendix A: Impaired Waters

**HUC:** 10070004  **Upper Yellowstone-Lake Basin**  **Watershed:** Upper Yellowstone

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<th>Category</th>
<th>Size</th>
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AqL = Aquatic Life  Ag = Agriculture  DW = Drinking Water  Rec = Primary Contact Recreation  
F = Fully Supporting  T = Threatened  N = Not Fully Supporting  I = Insufficient Information  X = Not Assessed  * = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10070005  **Watershed:** Upper Yellowstone

### Cooke City
- **ID305B:** MT43C001_010
- **Waterbody Name/Location:** STILLWATER RIVER, headwaters to Flood Creek
- **Category:** 4A
- **Size:** 21.69 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Copper, Iron, Manganese, Sedimentation/Siltation, pH
- **Source Name:** Acid Mine Drainage, Highway/Road/Bridge Runoff (Non-construction Related), Impacts from Abandoned Mine Lands (Inactive), Mine Tailings, Natural Sources

### Stillwater - Columbus
- **ID305B:** MT43C001_020
- **Waterbody Name/Location:** STILLWATER RIVER, Forest Service Boundary to the mouth (Yellowstone River), T2S R20E S20
- **Category:** 5
- **Size:** 45.59 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Cadmium, Chromium (total), Copper, Cyanide, Mercury, Nickel, Nitrate/Nitrite (Nitrate + Nitrate as N)
- **Source Name:** Hardrock Mining Discharges (Permitted), Impacts from Abandoned Mine Lands (Inactive), Natural Sources, Source Unknown, Watershed Runoff following Forest Fire

### Stillwater - Columbus
- **ID305B:** MT43C002_010
- **Waterbody Name/Location:** LODGEPOLE CREEK, headwaters to mouth (Castle Creek)
- **Category:** 5
- **Size:** 5.91 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Chlorophyll-a, Nitrate/Nitrite (Nitrate + Nitrate as N)
- **Source Name:** Irrigated Crop Production, Rangeland Grazing, Source Unknown

### Stillwater - Columbus
- **ID305B:** MT43C002_020
- **Waterbody Name/Location:** BAD CANYON CREEK, headwaters to mouth (Stillwater River)
- **Category:** 4C
- **Size:** 11.34 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Chlorophyll-a
- **Source Name:** Rangeland Grazing

### Stillwater - Columbus
- **ID305B:** MT43C002_030
- **Waterbody Name/Location:** CASTLE CREEK, headwaters to the mouth (Limestone Creek), T4S R15E S29
- **Category:** 5
- **Size:** 8.29 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Chlorophyll-a, Nitrate/Nitrite (Nitrate + Nitrate as N)
- **Source Name:** Livestock (Grazing or Feeding Operations), Source Unknown, Upstream Source

### Stillwater - Columbus
- **ID305B:** MT43C002_041
- **Waterbody Name/Location:** GROVE CREEK, confluence of South Fork Grove Creek, T4S R18E S13 to the mouth (Stillwater River), T3S R18E S34
- **Category:** 5
- **Size:** 5.23 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Alteration in stream-side or littoral vegetative covers, Chlorophyll-a, Phosphorus (Total), Sedimentation/Siltation
- **Source Name:** Grazing in Riparian or Shoreline Zones, Irrigated Crop Production, Loss of Riparian Habitat, Natural Sources

### Stillwater - Columbus
- **ID305B:** MT43C002_050
- **Waterbody Name/Location:** FISHTAIL CREEK, headwaters to mouth (West Rosebud Creek)
- **Category:** 5
- **Size:** 14.8 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Iron, Lead
- **Source Name:** Source Unknown

### Stillwater - Columbus
- **ID305B:** MT43C002_070
- **Waterbody Name/Location:** JOE HILL CREEK, headwaters to mouth (Stillwater River)
- **Category:** 5
- **Size:** 13.16 MILES
- **Use Class:** B-1
- **Beneficial Use: AqL Ag DW Rec**
- **Cause Name:** Chlorophyll-a
- **Source Name:** Flow Alterations from Water Diversion

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## Appendix A: Impaired Waters

### HUC: 10070005 Stillwater  
**Watershed:** Upper Yellowstone

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### Appendix A: Impaired Waters

**HUC:** 10070006  
**Watershed:** Upper Yellowstone

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### Appendix A: Impaired Waters

**HUC:** 10070006  **Watershed:** Upper Yellowstone

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AqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation

F=Fully Supporting;  T=Threatened;  N=Not Fully Supporting;  I=Insufficient Information;  X=Not Assessed;  * = Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

**HUC:** 10070006  
**Watershed:** Upper Yellowstone

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**AqL**=Aquatic Life;  **Ag**=Agriculture;  **DW**=Drinking Water;  **Rec**=Primary Contact Recreation

* = Fully Supporting;  **T**=Threatened;  **N**=Not Fully Supporting;  **I**=Insufficient Information;  **X**=Not Assessed;  **-**=Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10070007  **Watershed:** Upper Yellowstone-Pompeys Pillar

## Yellowstone River

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**HUC:** 10070008  **Pryor**  
**Watershed:** Upper Yellowstone

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<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<tr>
<td>Yellowstone - Lower Bighorn</td>
<td>MT43E001_010</td>
<td>PRYOR CREEK, Interstate 90 bridge to mouth (Yellowstone River)</td>
<td>5</td>
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<td>Flow Alterations from Water Diversions</td>
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<td></td>
<td></td>
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<td>N</td>
<td>Excess Algal Growth</td>
<td>Agriculture</td>
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| Yellowstone - Lower Bighorn | MT43E001_011 | PRYOR CREEK, Crow Reservation Boundary to Interstate 90 bridge | 5        | 2.88  | MILES | B-1       | N              | Flow Alterations from Water Diversions | Natural Sources
|                    |            |                         |          |       |       |           | F              | Low flow alterations                 | Sources Outside State Jurisdiction or Borders |
|                    |            |                         |          |       |       |           | F              | Sedimentation/Siltation              | Upstream Source

*AqL = Aquatic Life;  Ag = Agriculture;  DW = Drinking Water;  Rec = Primary Contact Recreation
F = Fully Supporting;  T = Threatened;  N = Not Fully Supporting;  I = Insufficient Information;  X = Not Assessed;  * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
Big Horn Sub-Major Basin
Yellowstone River Basin

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<td>10080015</td>
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Montana Department of Environmental Quality
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The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

**HUC:** 10080015  **Watershed:** Big Horn

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<th>Units</th>
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<td>Alteration in stream-side or littoral vegetative covers</td>
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<td>Flow Alterations from Water Diversions</td>
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<td>Phosphorus (Total)</td>
<td>Loss of Riparian Habitat</td>
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<td>Rangeland Grazing</td>
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*AqL* = Aquatic Life;  *Ag* = Agriculture;  *DW* = Drinking Water;  *Rec* = Primary Contact Recreation

F = Fully Supporting;  T = Threatened;  N = Not Fully Supporting;  I = Insufficient Information;  X = Not Assessed;  * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10090101  **Watershed:** Tongue

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<th>Units</th>
<th>Use Class</th>
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<th>Source Name *</th>
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<td>Tongue</td>
<td>MT42B001_020</td>
<td>TONGUE RIVER, Tongue River Dam to Prairie Dog Creek</td>
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<td>MILES</td>
<td>B-2</td>
<td>N F F I</td>
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<td>C-3</td>
<td>N N - I</td>
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<td>Grazing in Riparian or Shoreline Zones, Irrigated Crop Production, Natural Sources, Sedimentation/Siltation, Streambank Modifications/destabilization</td>
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<td>Salinity, Natural Sources, Streambank Modifications/destabilization</td>
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*AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation*

F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; *= Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10090102  **Watershed:** Tongue

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<th>Source Name *</th>
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<td>Natural Sources</td>
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*AqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation
F=Fully Supporting;  T=Threatened;  N=Not Fully Supporting;  I=Insufficient Information;  X=Not Assessed;  - = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10090102  **Watershed:** Tongue

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<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
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<th>Source Name *</th>
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## Appendix A: Impaired Waters

**HUC:** 10090207  **Watershed:** Powder

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<th>Category</th>
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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

### HUC: 10090208  Little Powder  Watershed:  Powder

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<th>Size</th>
<th>Units</th>
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<th>Beneficial Use</th>
<th>Cause Name</th>
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* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

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<th>Category</th>
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<th>Units</th>
<th>Use Class</th>
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<th>Cause Name *</th>
<th>Source Name *</th>
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<td>MT42J003_011</td>
<td>POWDER RIVER, Little Powder River to Mizpah Creek</td>
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<td>N</td>
<td>Salinity</td>
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<td>Powder</td>
<td>MT42J003_012</td>
<td>POWDER RIVER, Mizpah Creek to mouth (Yellowstone River)</td>
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<td>45.33</td>
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<td>Powder</td>
<td>MT42J004_010</td>
<td>STUMP CREEK, headwaters to mouth (Powder River)</td>
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<td>N</td>
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*AqL* = Aquatic Life; *Ag* = Agriculture; *DW* = Drinking Water; *Rec* = Primary Contact Recreation

*F* = Fully Supporting; *T* = Threatened; *N* = Not Fully Supporting; *I* = Insufficient Information; *X* = Not Assessed; *-* = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

**HUC:** 10090210  **Watershed:** Powder

### TMDL Planning Area

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<th>Source Name *</th>
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<td>MIZPAH CREEK, headwaters to Corral Creek</td>
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<tr>
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<td>MILES</td>
<td>X</td>
<td>N</td>
<td>-</td>
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</table>

*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation

F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.*

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## Appendix A: Impaired Waters

**HUC:** 10100001  **Watershed:** Lower Yellowstone

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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation

F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**Watershed:** Lower Yellowstone

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<th>Size (MILES)</th>
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**Legend:**
- **AqL** = Aquatic Life
- **Ag** = Agriculture
- **DW** = Drinking Water
- **Rec** = Primary Contact Recreation
- **A-164 of 235**

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10100003  **Rosebud**  
**Watershed:** Lower Yellowstone

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* AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
* F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; - = Beneficial Use Not Assigned
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## Appendix A: Impaired Waters

### Watershed: Lower Yellowstone

#### HUC: 10100004

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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation

F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 10100004  **Watershed:** Lower Yellowstone

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<tr>
<th>TMDL Planning Area</th>
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<th>Waterbody Name/Location</th>
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<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
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<th>Source Name *</th>
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**AqL**=Aquatic Life;  **Ag**=Agriculture;  **DW**=Drinking Water;  **Rec**=Primary Contact Recreation

**F**=Fully Supporting;  **T**=Threatened;  **N**=Not Fully Supporting;  **I**=Insufficient Information;  **X**=Not Assessed;  **-**=Beneficial Use Not Assigned

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# Appendix A: Impaired Waters

**HUC:** 10100004  **Watershed:** Lower Yellowstone

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<th>Size</th>
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<th>Beneficial Use</th>
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<th>Source Name *</th>
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**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

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### Appendix A: Impaired Waters

**HUC:** 1010004  **Watershed:** Lower Yellowstone

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<th>Size</th>
<th>Units</th>
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<th>Source Name *</th>
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**AqL**—Aquatic Life;  **Ag**—Agriculture;  **DW**—Drinking Water;  **Rec**—Primary Contact Recreation

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**HUC:** 10100004  **Watershed:** Lower Yellowstone

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<th>Size</th>
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<th>Source Name</th>
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<td>C-3</td>
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Solids (Suspended/Bedload)

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*A The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.*

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**AqL**=Aquatic Life; **Ag**=Agriculture; **DW**=Drinking Water; **Rec**=Primary Contact Recreation

**F**=Fully Supporting; **T**=Threatened; **N**=Not Fully Supporting; **I**=Insufficient Information; **X**=Not Assessed; **-**=Beneficial Use Not Assigned
### Appendix A: Impaired Waters

**HUC:** 10100005  
**Watershed:** Lower Yellowstone

<table>
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<tr>
<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<tbody>
<tr>
<td>O’ Fallon</td>
<td>MT42L001_010</td>
<td>PENNEL CREEK, headwaters to mouth (O’Fallon Creek)</td>
<td>5</td>
<td>65.97</td>
<td>MILES</td>
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<td>N</td>
<td>Total Dissolved Solids</td>
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<tr>
<td>O’ Fallon</td>
<td>MT42L001_020</td>
<td>SANDSTONE CREEK, headwaters to mouth (O’Fallon Creek)</td>
<td>5</td>
<td>72.78</td>
<td>MILES</td>
<td>C-3</td>
<td>N</td>
<td>Nitrate/Nitrite (Nitrite + Nitrate as N)</td>
<td>Agriculture</td>
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</table>

_AqL_ = Aquatic Life; _Ag_ = Agriculture; _DW_ = Drinking Water; _Rec_ = Primary Contact Recreation
_F_ = Fully Supporting; _T_ = Threatened; _N_ = Not Fully Supporting; _I_ = Insufficient Information; _X_ = Not Assessed; _- _ = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
# Appendix A: Impaired Waters

**HUC:** 10110201  **Upper Little Missouri**  **Watershed:** Little Missouri/Belle Fourche

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<th>Size Units</th>
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<th>Cause Name *</th>
<th>Source Name *</th>
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<tbody>
<tr>
<td>Little Missouri</td>
<td>MT39F001_010</td>
<td>THOMPSON CREEK, Wyoming border to mouth (Little Missouri River)</td>
<td>5</td>
<td>41.22 MILES</td>
<td>C-3</td>
<td>N</td>
<td>-</td>
<td>X</td>
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<td></td>
<td>MT39F001_020</td>
<td>LITTLE MISSOURI RIVER, Wyoming border to South Dakota border</td>
<td>5</td>
<td>106.1 MILES</td>
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<td>N</td>
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AqL = Aquatic Life;  Ag = Agriculture;  DW = Drinking Water;  Rec = Primary Contact Recreation

F = Fully Supporting;  T = Threatened;  N = Not Fully Supporting;  I = Insufficient Information;  X = Not Assessed;  - = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 10110204  Beaver  
**Watershed:** Little Missouri/Belle Fourche

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<th>Units</th>
<th>Use Class</th>
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<th>Cause Name *</th>
<th>Source Name *</th>
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<tbody>
<tr>
<td>Little Missouri</td>
<td>MT39G002_010</td>
<td>LAMESTEER NATIONAL WILDLIFE REFUGE</td>
<td>5</td>
<td>73.6</td>
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<td>C-3</td>
<td>N</td>
<td>-</td>
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*AqL= Aquatic Life;  Ag= Agriculture;  DW= Drinking Water;  Rec= Primary Contact Recreation  
F= Fully Supporting;  T= Threatened;  N= Not Fully Supporting;  I= Insufficient Information;  X= Not Assessed;  = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
Montana Department of Environmental Quality

Kootenai Sub-Major Basin
Columbia River Basin

<table>
<thead>
<tr>
<th>USGS HUC</th>
<th>HUC NAME</th>
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<tr>
<td>17010101</td>
<td>Middle Kootenai</td>
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<tr>
<td>17010102</td>
<td>Fisher</td>
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<tr>
<td>17010103</td>
<td>Yaak</td>
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<tr>
<td>17010104</td>
<td>Lower Kootenai</td>
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<td>17010105</td>
<td>Moyie</td>
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<td>17010106</td>
<td>Elk</td>
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</table>
## Appendix A: Impaired Waters

### Watershed: Kootenai

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<th>Waterbody Name/Location</th>
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<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<tbody>
<tr>
<td>Kootenai</td>
<td>MT76D001_010</td>
<td>KOOTENAI RIVER, Libby Dam to Yaak River</td>
<td>5</td>
<td>44.64</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>Other flow regime alterations</td>
<td>Impacts from Hydrostructure Flow Regulation/modification</td>
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<tr>
<td>Kootenai</td>
<td>MT76D002_010</td>
<td>STANLEY CREEK, headwaters to mouth (Lake Creek)</td>
<td>4A</td>
<td>6.3</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>Copper</td>
<td>Impacts from Abandoned Mine Lands (Inactive)</td>
</tr>
<tr>
<td>Kootenai</td>
<td>MT76D002_020</td>
<td>DRY CREEK, 1 mile upstream from State Highway 56 to mouth (Lake Creek)</td>
<td>4C</td>
<td>2.1</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>Other flow regime alterations</td>
<td>Highways, Roads, Bridges, Infrastructure (New Construction)</td>
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<tr>
<td>Kootenai</td>
<td>MT76D002_030</td>
<td>KEELER CREEK, headwaters to Lake Creek</td>
<td>4C</td>
<td>9.15</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>Low flow alterations</td>
<td>Forest Roads (Road Construction and Use)</td>
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<tr>
<td>Kootenai</td>
<td>MT76D002_040</td>
<td>SNOWSHOE CREEK, Cabinet Wilderness boundary to mouth (Big Cherry Creek)</td>
<td>4A</td>
<td>3.62</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>Alteration in stream-side or littoral vegetative covers</td>
<td>Impacts from Abandoned Mine Lands (Inactive)</td>
</tr>
<tr>
<td>Kootenai</td>
<td>MT76D002_050</td>
<td>BIG CHERRY CREEK, Snowshoe Creek to Mouth (Libby Creek)</td>
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<td>13.07</td>
<td>MILES</td>
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<td>Alteration in stream-side or littoral vegetative covers</td>
<td>Forest Roads (Road Construction and Use)</td>
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<tr>
<td>Kootenai</td>
<td>MT76D002_061</td>
<td>LIBBY CREEK, from 1 mi above Howard Creek to Highway 2 bridge</td>
<td>4C</td>
<td>11.24</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>Alteration in stream-side or littoral vegetative covers</td>
<td>Impacts from Abandoned Mine Lands (Inactive)</td>
</tr>
<tr>
<td>Kootenai</td>
<td>MT76D002_062</td>
<td>LIBBY CREEK, from the Highway 2 bridge to mouth (Kootenai River)</td>
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<td>14.8</td>
<td>MILES</td>
<td>B-1</td>
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<td>Physical substrate habitat alterations</td>
<td>Place Mining</td>
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<tr>
<td>Kootenai</td>
<td>MT76D002_070</td>
<td>LAKE CREEK, Bull Lake outlet to mouth (Kootenai River)</td>
<td>4A</td>
<td>17.57</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>Copper</td>
<td>Forest Roads (Road Construction and Use)</td>
</tr>
</tbody>
</table>

*The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.*
### Appendix A: Impaired Waters

**HUC:** 17010101  **Watershed:** Kootenai

<table>
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<th>TMDL Planning Area</th>
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<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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</thead>
<tbody>
<tr>
<td>Kootenai</td>
<td>MT76D002_070</td>
<td>LAKE CREEK, Bull Lake outlet to mouth (Kootenai River)</td>
<td>4A</td>
<td>17.57</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>F</td>
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<td>Kootenai</td>
<td>MT76D002_080</td>
<td>BOBTAIL CREEK, headwaters to mouth (Kootenai River)</td>
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<td>11.53</td>
<td>MILES</td>
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<td>F</td>
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<td>Other flow regime alterations</td>
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<td>Kootenai</td>
<td>MT76D002_100</td>
<td>CRIPPLE HORSE CREEK, headwaters to mouth (Lake Koocanusa)</td>
<td>4C</td>
<td>12.62</td>
<td>MILES</td>
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<td>Low flow alterations</td>
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<td>Physical substrate habitat alterations</td>
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<td>Kootenai</td>
<td>MT76D003_010</td>
<td>LAKE KOOCANUSA</td>
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<td>2887.4</td>
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<td>Tobacco</td>
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<td>TOBACCO RIVER, confluence of Grave Creek &amp; Fortine Creek to mouth (Lake Koocanusa)</td>
<td>4A</td>
<td>14.21</td>
<td>MILES</td>
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<td>Tobacco</td>
<td>MT76D004_020</td>
<td>FORTINE CREEK, headwaters to mouth (Grave Creek)</td>
<td>4A</td>
<td>33.46</td>
<td>MILES</td>
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<td>Tobacco</td>
<td>MT76D004_030</td>
<td>EDNA CREEK, headwaters to mouth (Fortine Creek)</td>
<td>4A</td>
<td>10.55</td>
<td>MILES</td>
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<td>Tobacco</td>
<td>MT76D004_040</td>
<td>SWAMP CREEK, headwaters to mouth (Fortine Creek)</td>
<td>4A</td>
<td>11.94</td>
<td>MILES</td>
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Appendix A: Impaired Waters

**HUC:** 17010101  **Watershed:** Kootenai

<table>
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<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name</th>
<th>Source Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tobacco</td>
<td>MT76D004_040</td>
<td>SWAMP CREEK, headwaters to mouth (Fortine Creek)</td>
<td>4A</td>
<td>11.94</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>F</td>
<td>F</td>
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</tbody>
</table>
| Tobacco            | MT76D004_050 | LIME CREEK, headwaters to mouth (Fortine Creek) | 4A | 4.92 | MILES | B-1 | N | F | F | N | Silviculture Harvesting, Forest Roads (Road Construction and Use), Grazing in Riparian or Shoreline Zones
| Tobacco            | MT76D004_060 | GRAVE CREEK, Foundation Creek to mouth (Fortine Creek) | 4A | 17.43 | MILES | B-1 | N | F | X | N | Silviculture Harvesting, Flow Alterations from Water Diversions, Forest Roads (Road Construction and Use)
| Tobacco            | MT76D004_070 | THERRIAUT CREEK, headwaters to mouth (Tobacco River) | 4A | 9.71 | MILES | B-1 | N | F | F | F | Grazing in Riparian or Shoreline Zones, Irrigated Crop Production
| Tobacco            | MT76D004_080 | DEEP CREEK, headwaters to mouth (Fortine Creek) | 4A | 11.02 | MILES | A-1 | N | F | F | N | Grazing in Riparian or Shoreline Zones, Silviculture Harvesting, Sedimentation/Siltation
| Tobacco            | MT76D004_091 | SINCLAIR CREEK, confluence of unnamed tributary, Lat -114.945 Long 48.908 to mouth (Tobacco River) | 4A | 7.9 | MILES | B-1 | N | X | X | X | Grazing in Riparian or Shoreline Zones, Highway/Road/Bridge Runoff (Non-construction Related)

**Legend:**
- **AqL** = Aquatic Life
- **Ag** = Agriculture
- **DW** = Drinking Water
- **Rec** = Primary Contact Recreation
- **F** = Fully Supporting
- **T** = Threatened
- **N** = Not Fully Supporting
- **I** = Insufficient Information
- **X** = Not Assessed
- * = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 17010102  **Watershed:** Kootenai

<table>
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<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fisher</td>
<td>MT76C001_010</td>
<td>FISHER RIVER, the Silver Butte/Pleasant Valley junction to mouth (Kootenai River)</td>
<td>4C</td>
<td>33.78</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>F</td>
<td>F</td>
</tr>
<tr>
<td>Fisher</td>
<td>MT76C001_020</td>
<td>WOLF CREEK, headwaters to mouth (Fisher River)</td>
<td>4A</td>
<td>39.26</td>
<td>MILES</td>
<td>B-1</td>
<td>N</td>
<td>F</td>
<td>X</td>
</tr>
<tr>
<td>Fisher</td>
<td>MT76C001_030</td>
<td>RAVEN CREEK, headwaters to mouth (Pleasant Valley Fisher River)</td>
<td>4A</td>
<td>3.05</td>
<td>MILES</td>
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<td>F</td>
<td>F</td>
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## Appendix A: Impaired Waters

### HUC: 17010103  Yaak  
**Watershed:** Kootenai

### Table of Impaired Waters

<table>
<thead>
<tr>
<th>TMDL Planning Area</th>
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<th>Source Name *</th>
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### Notes

- **AqL** = Aquatic Life  
- **Ag** = Agriculture  
- **DW** = Drinking Water  
- **Rec** = Primary Contact Recreation

- **F** = Fully Supporting  
- **T** = Threatened  
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## Appendix A: Impaired Waters

**HUC:** 17010104  **Lower Kootenai**  
**Watershed:** Kootenai

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<th>Units</th>
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<td>Other flow regime alterations</td>
<td>Impacts from Hydrostructure Flow Regulation/modification Upstream Impoundments (e.g., PI-566 NRCS Structures)</td>
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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed
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Montana Department of Environmental Quality

Pend Oreille Sub-Major Basin
Columbia River Basin

<table>
<thead>
<tr>
<th>USGS HUC</th>
<th>HUC NAME</th>
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<td>Upper Clark Fork</td>
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<td>17010202</td>
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<td>17010206</td>
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<td>17010213</td>
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# Appendix A: Impaired Waters

**HUC:** 17010201  Upper Clark Fork  
**Watershed:** Pend Oreille

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<th>Size</th>
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<th>Source Name *</th>
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*AqL* = Aquatic Life; *Ag* = Agriculture; *DW* = Drinking Water; *Rec* = Primary Contact Recreation  
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### Appendix A: Impaired Waters

**HUC:** 17010201  **Watershed:** Pend Oreille

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## Appendix A: Impaired Waters

**HUC:** 17010201  **Watershed:** Pend Oreille

### MILL CREEK, line between sections 27-28 T4N R11W to Mill-Willow Bypass diversion

<table>
<thead>
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<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Units</th>
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<td>WILLOW CREEK, headwaters to T4N R10W S30</td>
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<td>Grazing in Riparian or Shoreline Zones, Mill Tailings, Natural Sources</td>
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<td>Upper Clark Fork</td>
<td>MT76G002_062</td>
<td>WILLOW CREEK, T4N R10W S30 to mouth (Mill Creek), T4N R10W S11</td>
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<td>7.12</td>
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<td>Agriculture, Atmospheric Deposition - Toxics, Grazing in Riparian or Shoreline Zones, Mill Tailings</td>
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**Appendix A: Impaired Waters**

**HUC:** 17010201  **Watershed:** Pend Oreille

<table>
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<th>Beneficial Use</th>
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**HUC:** 17010201  **Watershed:** Pend Oreille

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<th>Category</th>
<th>Size Units</th>
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<th>Cause Name *</th>
<th>Source Name *</th>
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*AqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation*  
F=Fully Supporting;  T=Threatened;  N=Not Fully Supporting;  I=Insufficient Information;  X=Not Assessed;  * = Beneficial Use Not Assigned  
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 17010201  **Watershed:** Pend Oreille

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<tr>
<th>TMDL Planning Area</th>
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<th>Waterbody Name/Location</th>
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<th>Size</th>
<th>Units</th>
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<th>Beneficial Use AqL Ag DW Rec</th>
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**AqL** = Aquatic Life; **Ag** = Agriculture; **DW** = Drinking Water; **Rec** = Primary Contact Recreation

F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

**HUC:** 17010201  **Watershed:** Pend Oreille

### TMDL Planning Area

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## Appendix A: Impaired Waters

HUC: 17010201  Upper Clark Fork  Watershed: Pend Oreille

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<th>Units</th>
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<th>Beneficial Use</th>
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<th>Source Name *</th>
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## Appendix A: Impaired Waters

### HUC: 17010202  Flint-Rock  Watershed: Pend Oreille

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## Appendix A: Impaired Waters

**Watershed:** Pend Oreille

### TMDL Planning Area

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<tr>
<th>TMDL Planning Area</th>
<th>ID305B</th>
<th>Waterbody Name/Location</th>
<th>Category</th>
<th>Size</th>
<th>Use Class</th>
<th>Beneficial Use</th>
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<th>Source Name *</th>
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## Appendix A: Impaired Waters

**HUC:** 17010202  **Flint-Rock**  
**Watershed:** Pend Oreille

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<td>Flint</td>
<td>MT76E003_012</td>
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### Appendix A: Impaired Waters

**HUC:** 17010202  **Watershed:** Pend Oreille

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## Appendix A: Impaired Waters

### HUC: 17010202 Flint-Rock  
**Watershed:** Pend Oreille

#### TMDL Planning Area

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<th>Cause Name *</th>
<th>Source Name *</th>
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## Appendix A: Impaired Waters

**HUC:** 17010202  **Watershed:** Pend Oreille

### TMDL Planning Area | ID305B | Waterbody Name/Location | Category | Size | Units | Use Class | Beneficial Use | Cause Name | Source Name |
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*AqL* = Aquatic Life;  *Ag* = Agriculture;  *DW* = Drinking Water;  *Rec* = Primary Contact Recreation

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### Appendix A: Impaired Waters

**HUC:** 17010202  **Watershed:** Pend Oreille

#### TMDL Planning Area

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<th>Category</th>
<th>Size</th>
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<th>Beneficial Use</th>
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<th>Source Name *</th>
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## Appendix A: Impaired Waters

### HUC: 17010203  Blackfoot  Watershed: Pend Oreille

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**HUC:** 17010203  **Watershed:** Pend Oreille

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<td>4A</td>
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---

AqL = Aquatic Life;  Ag = Agriculture;  DW = Drinking Water;  Rec = Primary Contact Recreation

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## Appendix A: Impaired Waters

**HUC:** 17010203  **Watershed:** Pend Oreille

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<th>TMDL Planning Area</th>
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<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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</thead>
</table>
| Nevada Creek       | MT76F003_011 | NEVADA CREEK, headwaters to Nevada Lake | 4A | 19.84 | MILES | B-1 | N | F | F | N | Physical substrate habitat alterations  
Sols (Suspension/Bedload)  
Temperature, water  
Total Kjeldahl Nitrogen (TKN) |
| Nevada Creek       | MT76F003_012 | NEVADA CREEK, Nevada Lake to mouth (Blackfoot River) | 4A | 27.95 | MILES | B-1 | N | F | F | N | Low flow alterations  
Nitrogen (Total)  
Phosphorus (Total)  
Physical substrate habitat alterations  
Sedimentary/Siltation  
Temperature, water  
Total Kjeldahl Nitrogen (TKN) |
| Nevada Creek       | MT76F003_021 | JEFFERSON CREEK, headwaters to 1 mile above confluence with Madison Gulch | 4A | 3.72 | MILES | B-1 | N | F | F | F | Alteration in stream-side or littoral vegetative covers  
Sedimentary/Siltation |
| Nevada Creek       | MT76F003_022 | JEFFERSON CREEK, 1 mile above Madison Gulch to mouth (Nevada Creek) | 4A | 3.39 | MILES | B-1 | N | F | F | N | Alteration in stream-side or littoral vegetative covers  
Aluminum  
Iron  
Low flow alterations  
Nitrogen (Total)  
Phosphorus (Total)  
Sedimentary/Siltation  
Sols (Suspension/Bedload) |
| Nevada Creek       | MT76F003_030 | GALLAGHER CREEK, headwaters to mouth (Nevada Creek) | 4A | 7.34 | MILES | B-1 | N | F | F | N | Alteration in stream-side or littoral vegetative covers  
Low flow alterations  
Nitrogen (Total)  
Phosphorus (Total) |

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## Appendix A: Impaired Waters

**HUC:** 17010203  **Watershed:** Pend Oreille

### TMDL Planning Area

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<th>Source Name *</th>
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# Appendix A: Impaired Waters

**HUC:** 17010203  **Watershed:** Pend Oreille

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# Appendix A: Impaired Waters

**HUC:** 17010203  **Blackfoot**  
**Watershed:** Pend Oreille

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<th>Category</th>
<th>Size</th>
<th>Units</th>
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**HUC:** 17010203  **Watershed:** Pend Oreille

### TMDL Planning Area

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Appendix A: Impaired Waters

HUC: 17010204  Middle Clark Fork  Watershed:  Pend Oreille

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AqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation
F=Fully Supporting;  T=Threatened;  N=Not Fully Supporting;  I=Insufficient Information;  X=Not Assessed;  * = Beneficial Use Not Assigned
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.

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### Appendix A: Impaired Waters

**HUC:** 17010204  **Watershed:** Pend Oreille

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**Legend:**
- **AqL** = Aquatic Life
- **Ag** = Agriculture
- **DW** = Drinking Water
- **Rec** = Primary Contact Recreation

**Footnotes:**
- *F* = Fully Supporting
- *T* = Threatened
- *N* = Not Fully Supporting
- *I* = Insufficient Information
- *X* = Not Assessed
- *-* = Beneficial Use Not Assigned

*The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.*
# Appendix A: Impaired Waters

## HUC: 17010204  Middle Clark Fork  Watershed: Pend Oreille

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**Watershed:** Pend Oreille

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AqL = Aquatic Life  
Ag = Agriculture  
DW = Drinking Water  
Rec = Primary Contact Recreation

N = Not Fully Supporting  
I = Insufficient Information  
X = Not Assessed  
- = Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

**HUC:** 17010204  **Watershed:** Pend Oreille

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### Appendix A: Impaired Waters

**HUC:** 17010205  **Watershed:** Pend Oreille

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*AqL*—Aquatic Life;  *Ag*—Agriculture;  *DW*—Drinking Water;  *Rec*—Primary Contact Recreation

F—Fully Supporting;  T—Threatened;  N—Not Fully Supporting;  I—Insufficient Information;  X—Not Assessed;  *- Beneficial Use Not Assigned

* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 17010205  **Watershed:** Pend Oreille

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**AqL**=Aquatic Life;  **Ag**=Agriculture;  **DW**=Drinking Water;  **Rec**=Primary Contact Recreation

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## Appendix A: Impaired Waters

### Watershed: Pend Oreille

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**Notes:**
- AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
- F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed; * = Beneficial Use Not Assigned
- * The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
### Appendix A: Impaired Waters

**HUC:** 17010205  **Bitterroot**  
**Watershed:** Pend Oreille

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<th>Source Name *</th>
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# Appendix A: Impaired Waters

**HUC:** 17010205  **Watershed:** Pend Oreille

## Table: Impaired Waters

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### Appendix A: Impaired Waters

**HUC:** 17010205  **Watershed:** Pend Oreille

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<th>Source Name *</th>
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Alteration in stream-side or littoral vegetative covers, Sedimentation/Siltation

- Forest Roads (Road Construction and Use)
- Silviculture Activities
- Streambank Modifications/destabilization
## Appendix A: Impaired Waters

### HUC: 17010206  North Fork Flathead  Watershed: Pend Oreille

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AqL=Aquatic Life; Ag=Agriculture; DW=Drinking Water; Rec=Primary Contact Recreation
F=Fully Supporting; T=Threatened; N=Not Fully Supporting; I=Insufficient Information; X=Not Assessed; *= Beneficial Use Not Assigned

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### Appendix A: Impaired Waters

#### HUC: 17010208 Flathead Lake  
**Watershed:** Pend Oreille

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## Appendix A: Impaired Waters

**HUC:** 17010208  **Flathead Lake**  
**Watershed:** Pend Oreille

### Flathead Lake Watershed

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<th>Size</th>
<th>Units</th>
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### Appendix A: Impaired Waters

**HUC:** 17010209  **Watershed:** Pend Oreille

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<th>Beneficial Use</th>
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<th>Source Name *</th>
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*AqL* = Aquatic Life;  
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*Rec* = Primary Contact Recreation

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## Appendix A: Impaired Waters

**Watershed:** Pend Oreille

### TMDL Planning Area

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## Appendix A: Impaired Waters

**HUC:** 17010211  **Watershed:** Pend Oreille

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### Appendix A: Impaired Waters

**HUC:** 17010212  **Watershed:** Pend Oreille

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<th>Source Name *</th>
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*aqL=Aquatic Life;  Ag=Agriculture;  DW=Drinking Water;  Rec=Primary Contact Recreation*

*The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.*
# Appendix A: Impaired Waters

**HUC:** 17010213  **Lower Clark Fork**  
**Watershed:** Pend Oreille

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<th>Size</th>
<th>Units</th>
<th>Use Class</th>
<th>Beneficial Use</th>
<th>Cause Name *</th>
<th>Source Name *</th>
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<td>CLARK FORK RIVER, Noxon Dam to Noxon Bridge</td>
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<td>Prospect Creek</td>
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<td>Lower Clark Fork Tributaries</td>
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<td>Physical substrate habitat alterations</td>
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*AqL = Aquatic Life; Ag = Agriculture; DW = Drinking Water; Rec = Primary Contact Recreation
F = Fully Supporting; T = Threatened; N = Not Fully Supporting; I = Insufficient Information; X = Not Assessed
* The impairment cause and source names in this appendix are listed alphabetically. There is no implied relationship between the listed causes and sources. See individual assessment reports for details.
## Appendix A: Impaired Waters

### HUC: 17010213  Lower Clark Fork  Watershed: Pend Oreille

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<td>Lower Clark Fork Tributaries</td>
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**Notes:**
- **AqL** = Aquatic Life
- **Ag** = Agriculture
- **DW** = Drinking Water
- **Rec** = Primary Contact Recreation
- **F** = Fully Supporting
- **T** = Threatened
- **N** = Not Fully Supporting
- **I** = Insufficient Information
- **X** = Not Assessed
- **-** = Beneficial Use Not Assigned

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## Appendix A: Impaired Waters

### Pend Oreille Watershed: Lower Clark Fork

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**Appendix A: Impaired Waters**

**HUC:** 17010213  **Watershed:** Pend Oreille

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<th>Size</th>
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<th>Source Name *</th>
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