### **Appendix A Index for Impaired Waters Sub-Basin Reports**

			T		
St. Mary	10010001	Belly		10060004	West Fork Poplar
	10010002	St. Mary	Lower	10060005	Charlie-Little Muddy
	10020001	Red Rock	Missouri	10060006	Big Muddy
Ξ	10020002	Beaverhead		10060007	Brush Lake
sor	10020003	Ruby		10070001	Yellowstone Headwaters
Mis	10020004	Big Hole	one	10070002	Upper Yellowstone
er ľ	10020005	Jefferson	Upper	10070003	Shields
Upper Missouri	10020006	Boulder	Upper Yellowstone	10070004	Upper Yellowstone-Lake
ر	10020007	Madison	, ∀е	10070005	Stillwater
	10020008	Gallatin		10070006	Clarks Fork Yellowstone
-L	10030101	Upper Missouri		10070007	Upper Yellowstone-Pomeys Pillar
Missouri-Sun- Smith	10030102	Upper Missouri-Dearborn	e e	10070008	Pryor
souri-S Smith	10030103	Smith	stor	10080010	Bighorn Lake
SSC	10030104	Sun	ow.	10080014	Shoshone
Ξ	10030105	Belt	Middle Yellowstone	10080015	Lower Bighorn
	10030201	Two Medicine	<u>e</u>	10080016	Little Bighorn
18	10030202	Cut Bank	lppi	10090101	Upper Tongue
Marias	10030203	Marias	Σ	10090102	Lower Tongue
Ŝ	10030204	Willow		10100003	Rosebud
	10030205	Teton		10090207	Middle Powder
·=	10040101	Bullwhacker-Dog	ne	10090208	Little Powder
nos	10040102	Arrow	/sto	10090209	Lower Powder
/liss	10040103	Judith	<u>0</u>	10090210	Mizpah
e N	10040104	Fort Peck Reservoir	≺el	10100001	Lower Yellowstone-Sunday
Middle Missouri	10040105	Big Dry	er	10100002	Big Porcupine
Σ	10040106	Little Dry	Lower Yellowstone	10100004	Lower Yellowstone
_	10040201	Upper Musselshell	-	10100005	O'Fallon
Musselshell	10040202	Middle Musselshell	i.	10110201	Upper Little Missouri
sels	10040203	Flatwillow	sor	10110202	Boxelder
Insa	10040204	Box Elder	Mis	10110203	Middle Little Missouri
Σ	10040205	Lower Musselshell	Little Missouri	10110204	Beaver
	10050001	Milk Headwaters	Lit	10120202	Lower Belle Fourche
	10050002	Upper Milk		17010101	Upper Kootenai
	10050003	Wild Horse Lake	ja:	17010102	Fisher
	10050004	Middle Milk	Kootenai	17010103	Yaak
	10050005	Big Sandy	<b>ζ</b> ος	17010104	Lower Kootenai
	10050006	Sage	_	17010105	Moyie
	10050007	Lodge		17010201	Upper Clark Fork
*	10050008	Battle	Upper	17010202	Flint-Rock
Milk	10050009	Peoples	Clark	17010203	Blackfoot
	10050010	Cottonwood	Fork	17010205	Bitterroot
	10050010	Whitewater		17010206	North Fork Flathead
	10050011	Lower Milk	_	17010200	Middle Fork Flathead
	10050012	Frenchman	Flathead	17010207	Flathead Lake
	10050014	Beaver	ath	17010200	South Fork Flathead
	10050011	Rock	Ë	17010200	Stillwater
	10050016	Porcupine		17010210	Swan
	10060001	Prairie Elk-Wolf	Lower	17010211	Middle Clark Fork
Lower	10060001	Redwater	Clark	17010204	Lower Flathead
Missouri	10060002	Poplar	Fork	17010212	Lower Clark Fork
	10000003			11010213	LOWEI CIAIN FUIN

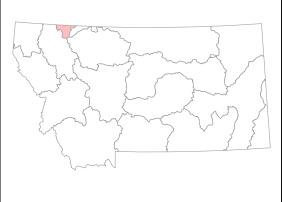
# Belly River Saint Mary River

### Saint Mary Sub-Major Basin

### Missouri River Basin

USGS HUC HUC NAME

10010001 10010002 Belly River St. Mary River



Montana Department of Environmental Quality

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# Appendix A: Impaired Waters HUC 10010002 St. Mary Watershed Saint Mary TMDL Planning Area ID305B Waterbody Name/Location Size Units Use Class AqL AG DW Rec Cause Name Source Name

A-1

 $P \quad F \quad X \quad X$ 

Alterations in wetland habitats

Other anthropogenic substrate alterations

Channelization

Construction)

Redevelopment)

Highways, Roads, Bridges, Infrasturcture (New

Site Clearance (Land Development or

MILES

10.55

Cut Bank - Two Medicine MT40T002\_010

DIVIDE CREEK, headwaters to mouth

(Saint Mary River)

# **Boulder River** Jefferson River Big Hole River Gallatin River Beaverhead River Ruby River Madison River Red Rock River

## **Upper Missouri Sub-Major Basin**

### Missouri River Basin

USGS HUC

1100 NAME
Red Rock River
Beaverhead River
Ruby River
Big Hole River
Jefferson River
Boulder River
Madison River
Gallatin River

HUC NAME



Montana Department of Environmental Quality

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<b>HUC</b> 10020001	Red Rock	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Red Rock	MT41A001_010	RED ROCK RIVER, Lima Dam to Clark Canyon Reservoir	5	51.81	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones  Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Impacts from Hydrostructure Flow
											Physical substrate habitat alterations	Regulation/modification Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
											Temperature, water	
											Zinc	
Red Rock	MT41A001_020	RED ROCK RIVER, Lower Red Rock Lake to Lima Dam	5	43.82	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Temperature, water	
Red Rock	MT41A002_010	CLARK CANYON RESERVOIR	4C	4888	ACRES	B-1	Р	F	F	Р	Other flow regime alterations	Drought-related Impacts
												Irrigated Crop Production
Red Rock	MT41A003_010	MEDICINE LODGE CREEK, headwaters	s 5	34.64	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		to mouth (Horse Prairie Creek)									vegetative covers  Low flow alterations	Irrigated Crop Production
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Temperature, water	
Red Rock	MT41A003_020	MUDDY CREEK, confluence of	5	11.08	MILES	B-1	Р	F	F	Р	Turbidity	Agriculture
		Sourdough and Wilson Creek to mouth (Big Sheep Creek), T14S R10W S10										Streambank Modifications/destablization
Red Rock	MT41A003_090	HORSE PRAIRIE CREEK, headwaters t	0 5	46.67	MILES	B-1	N	F	N	Р	Arsenic	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Clark Canyon Res)									Cadmium	Irrigated Crop Production
											Copper	
											Lead	

<b>HUC</b> 10020001	Red Rock	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Red Rock	MT41A003_090	HORSE PRAIRIE CREEK, headwaters to	0 5	46.67	MILES	B-1	N	F	N	Р	Mercury	
		mouth (Clark Canyon Res)									Zinc	
Red Rock	MT41A003_100	BLOODY DICK CREEK, headwaters to mouth (Horse Prairie Creek)	5	30.32	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
Red Rock	MT41A003_150	SHEEP CREEK, Muddy Creek to mouth (Red Rock River)	5	10.98	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		(rod rosk rurs.)									Excess Algal Growth	Irrigated Crop Production
											Low flow alterations	Other Recreational Pollution Sources
											Nonnative Fish, Shellfish, or Zooplankton	
											Sedimentation/Siltation	
Red Rock	MT41A004_010	PRICE CREEK, headwaters to mouth (Red Rock River)	5	10.52	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral vegetative covers	Flow Alterations from Water Diversions
		(									Other flow regime alterations	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
Red Rock	MT41A004_030	FISH CREEK, headwaters to mouth (Metzel Creek)	5	7.88	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		(									Chlorophyll-a	Unspecified Unpaved Road or Trail
											Sedimentation/Siltation	
Red Rock	MT41A004_040	CORRAL CREEK, headwaters to mouth (Red Rock Creek)	5	4.29	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		(Red Rock Creek)									Phosphorus (Total)	Unspecified Unpaved Road or Trail
											Sedimentation/Siltation	
Red Rock	MT41A004_050	EAST FORK CLOVER CREEK, headwaters to mouth (Clover Creek)	5	5.78	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
Red Rock	MT41A004_060	HELL ROARING CREEK, headwaters to mouth (Red Rock River)	4C	10.17	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
Red Rock	MT41A004_070	LONG CREEK, headwaters to mouth	5	23.94	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Red Rock River)									vegetative covers Other flow regime alterations	Irrigated Crop Production

<b>HUC</b> 10020001	Red Rock	Water	rshed	Upper	Missouri	i Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Red Rock	MT41A004_070	LONG CREEK, headwaters to mouth (Red Rock River)	5	23.94	MILES	B-1	N	F	F	Р	Sedimentation/Siltation	Unspecified Unpaved Road or Trail
Red Rock	MT41A004_080	O'DELL CREEK, headwaters to mouth	5	16.09	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Agriculture
		(Lower Red Rock Lake)									vegetative covers Turbidity	Grazing in Riparian or Shoreline Zones
												Loss of Riparian Habitat
Red Rock	MT41A004_090	PEET CREEK, headwaters to mouth	5	10.13	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Animal Feeding Operations (NPS)
		(Red Rock River)									vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Other flow regime alterations	Irrigated Crop Production
											Phosphorus (Total)	
											Sedimentation/Siltation	
Red Rock	MT41A004_100	TOM CREEK, headwaters to mouth	5	6.6	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Upper Red Rock Lake)									vegetative covers  Low flow alterations	Irrigated Crop Production
											Sedimentation/Siltation	
Red Rock	MT41A004_110	RED ROCK CREEK, headwaters to	5	18.38	MILES	B-1	Р	Х	Х	Х	Alteration in stream-side or littoral	Agriculture
		mouth (Upper Red Rock Lake)									vegetative covers Turbidity	Grazing in Riparian or Shoreline Zones
												Loss of Riparian Habitat
Red Rock	MT41A004_130	JONES CREEK, headwaters to mouth	5	8.33	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Winslow Creek)									vegetative covers Excess Algal Growth	Irrigated Crop Production
											Other flow regime alterations	
											Phosphorus (Total)	
											Sedimentation/Siltation	
Red Rock	MT41A004_140	BEAN CREEK, headwaters to Mouth	5	6.62	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Channelization
		(Red Rock River), T14S R3E S7									vegetative covers Low flow alterations	Flow Alterations from Water Diversions
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
Red Rock	MT41A005_020	LOWER RED ROCK LAKE	5	1126	ACRES	B-1	N	Х	Х	N	Other flow regime alterations	Agriculture
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
												Low Water Crossing

### **Appendix A: Impaired Waters** Upper Missouri Tribs. **HUC** 10020001 Red Rock Watershed TMDL Planning Area Category Size ID305B Waterbody Units Use AqL AG DW Rec Cause Name Source Name Name/Location Class MT41A005\_020 LOWER RED ROCK LAKE 1126 ACRES B-1 Red Rock 5 N X X NRangeland Grazing Upstream Source Red Rock MT41A005\_030 UPPER RED ROCK LAKE 2206.1 ACRES B-1 Ν Χ Χ N Other flow regime alterations Agriculture Sedimentation/Siltation Grazing in Riparian or Shoreline Zones Rangeland Grazing

Upstream Source

HUC 10020002	Beaverhead	Water	rshed	Upper	Missouri	Tribs.						
MDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Seaverhead	MT41B001_010	BEAVERHEAD RIVER, Clark Canyon Dam to Grasshopper Creek	5	12.32	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
											Lead	Dam or Impoundment
											Low flow alterations	Impacts from Abandoned Mine Lands (Inactive)
												Irrigated Crop Production
seaverhead	MT41B001_020	BEAVERHEAD RIVER, Grasshopper	5	66.04	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Agriculture
		Creek to mouth (Jefferson River)									vegetative covers Low flow alterations	Grazing in Riparian or Shoreline Zones
											Physical substrate habitat alterations	Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
											Temperature, water	Site Clearance (Land Development or Redevelopment)
Seaverhead	MT41B002_010	GRASSHOPPER CREEK, headwaters t mouth (Beaverhead River)	to 5	60.18	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
		moun (Beavement Niver)									Cadmium	Grazing in Riparian or Shoreline Zones
											Copper	Irrigated Crop Production
											Low flow alterations	Mine Tailings
											Zinc	Streambank Modifications/destablization
seaverhead	MT41B002_020	FARLIN CREEK, headwaters to mouth (Grasshopper Creek), T6S R12W S7	5	6.1	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
seaverhead	MT41B002_030	BLACKTAIL DEER CREEK, headwaters	s 5	42.88	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Channelization
		to mouth (Beaverhead River)									vegetative covers Low flow alterations	Flow Alterations from Water Diversions
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
											Temperature, water	Highway/Road/Bridge Runoff (Non-construction Related) Irrigated Crop Production
												Livestock (Grazing or Feeding Operations)
seaverhead	MT41B002_040	EAST FORK BLACKTAIL DEER CREEI headwaters to mouth (Blacktail Deer Creek)	K, 4C	21.24	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
seaverhead	MT41B002_060	WEST FORK BLACKTAIL DEER	5	19.07	MILES	B-1	Р	N	N	Р	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		CREEK, headwaters to mouth (Blacktail	l								vegetative covers	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10020002	Beaverhead	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Beaverhead	MT41B002_060	WEST FORK BLACKTAIL DEER CREEK, headwaters to mouth (Blacktail Deer Creek)	5	19.07	MILES	B-1	Р	N	N	Р	Chlorophyll-a Sedimentation/Siltation	Mine Tailings
Beaverhead	MT41B002_070	WEST FORK DYCE CREEK, headwaters to mouth (Dyce Creek)	5	3.95	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Manganese Nitrogen (Total) Sedimentation/Siltation	Forest Roads (Road Construction and Use)  Grazing in Riparian or Shoreline Zones  Impacts from Abandoned Mine Lands (Inactive)  Placer Mining
Beaverhead	MT41B002_080	SPRING CREEK, headwaters to mouth (Beaverhead River)	5	15.67	MILES	B-1	Р	Р	N	Р	Alteration in stream-side or littoral vegetative covers Arsenic Chlorophyll-a Low flow alterations Nitrogen (Total)	Silviculture Harvesting  Agriculture  Impacts from Abandoned Mine Lands (Inactive)  Irrigated Crop Production
Beaverhead	MT41B002_090	RATTLESNAKE CREEK, from the Dillon PWS off-channel well T7S R10W S11 to the mouth (Van Camp Slough)	5	9.52	MILES	B-1	Р	F	N	Р	Sedimentation/Siltation  Alteration in stream-side or littoral vegetative covers Cadmium  Copper Lead  Low flow alterations	Grazing in Riparian or Shoreline Zones Irrigated Crop Production Subsurface (Hardrock) Minining
											Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation Solids (Suspended/Bedload)	
Beaverhead	MT41B002_091	RATTLESNAKE CREEK, headwaters to Dillon PWS off-channel well, T7S R10W S11	5	17.95	MILES	A-1	P	F	N	F	Alteration in stream-side or littoral vegetative covers Cadmium  Copper  Lead  Nitrogen (Total)	Grazing in Riparian or Shoreline Zones Irrigated Crop Production Subsurface (Hardrock) Minining

<b>HUC</b> 10020002	Beaverhead	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Beaverhead	MT41B002_091	RATTLESNAKE CREEK, headwaters to Dillon PWS off-channel well, T7S R10W	5	17.95	MILES	A-1	Р	F	N	F	Phosphorus (Total)	
		S11									Sedimentation/Siltation	
Beaverhead	MT41B002_100	FRENCH CREEK, headwaters to mouth (Rattlesnake Creek)	5	6.55	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
Beaverhead	MT41B002_110	CLARK CANYON CREEK, headwaters to mouth (Beaverhead River), T9S R10W S28	5	8.07	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
Beaverhead	MT41B002_120	RESERVOIR CREEK, headwaters to mouth (Grasshopper Creek)	5	12.76	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Sedimentation/Siltation	
Beaverhead	MT41B002_131	STONE CREEK, confluence with unnamed creek in T6S R7W S34 near	5	6.53	MILES	B-1	Р	Р	N	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
		Beaverhead/Madison county border									Arsenic	Crop Production (Crop Land or Dry Land)
											Chlorophyll-a	Surface Mining
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Unspecified Unpaved Road or Trail
											Phosphorus (Total)	
											Sedimentation/Siltation	
Beaverhead	MT41B002_132	STONE CREEK, Left Fork and Middle Fork to confluence of un-named	5	7.07	MILES	B-1	Р	F	F	N	Alteration in stream-side or littoral vegetative covers	Agriculture
		tributary, T6S R7W S34									Low flow alterations	Grazing in Riparian or Shoreline Zones
											Nitrates	Highway/Road/Bridge Runoff (Non-construction Related)
											Sedimentation/Siltation	Highways, Roads, Bridges, Infrasturcture (New
											Turbidity	Construction) Irrigated Crop Production
Beaverhead	MT41B002_140	DYCE CREEK, confluence of East and	5	4.13	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		West Forks to Grasshopper Creek									vegetative covers Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	
											Sedimentation/Siltation	

<b>HUC</b> 10020002	Beaverhead	Water	shed	Upper I	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Beaverhead	MT41B002_160	STEEL CREEK, headwaters to mouth (Driscol Creek), T6S R12W S18	5	3.66	MILES	B-1	N	Р	N	N	Alteration in stream-side or littoral vegetative covers Arsenic	Grazing in Riparian or Shoreline Zones Subsurface (Hardrock) Minining
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Solids (Suspended/Bedload)	
Beaverhead	MT41B002_170	TAYLOR CREEK, headwaters to mouth (Grasshopper Creek)	5	11.73	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
Beaverhead	MT41B002_180	SCUDDER CREEK, headwaters to mouth (Grasshopper Creek), T6S R12W S19	5	5.62	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	

<b>HUC</b> 10020003	Ruby	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Ruby	MT41C001_010	RUBY RIVER, Ruby Dam to mouth (Beaverhead River)	5	48.03	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations	Flow Alterations from Water Diversions  Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	Irrigated Crop Production
											Sedimentation/Siltation	
											Temperature, water	
Ruby	MT41C001_020	RUBY RIVER, confluence of East, West, and Middle Forks to Ruby Reservoir	5	41.79	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		and made remote ready received									Phosphorus (Total)	Unspecified Unpaved Road or Trail
											Sedimentation/Siltation	
Ruby	MT41C002_010	WISCONSIN CREEK, headwaters to mouth (Ruby River)	5	13.14	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		modiff (Ruby River)									Arsenic	Irrigated Crop Production
											Copper	Mine Tailings
											Lead	Unspecified Unpaved Road or Trail
											Low flow alterations	
											Mercury	
											Sedimentation/Siltation	
Ruby	MT41C002_020	MILL CREEK, headwaters to mouth	5	21.68	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Ruby River)									vegetative covers Low flow alterations	Impacts from Abandoned Mine Lands (Inactive)
											Nitrogen (Total)	Irrigated Crop Production
											Phosphorus (Total)	Unspecified Unpaved Road or Trail
											Sedimentation/Siltation	
											Temperature, water	
Ruby	MT41C002_030	INDIAN CREEK, headwaters to mouth	4A	12.44	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Channelization
		(Leonard Slough)									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Irrigated Crop Production
												Unspecified Unpaved Road or Trail
Ruby	MT41C002_040	ALDER GULCH, headwaters to mouth (Ruby River)	5	20.65	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral vegetative covers	Dredge Mining

<b>HUC</b> 10020003	Ruby	Water	rshed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Ruby	MT41C002_040	ALDER GULCH, headwaters to mouth	5	20.65	MILES	B-1	N	F	F	Р	Chlorophyll-a	Forest Roads (Road Construction and Use)
		(Ruby River)									Lead	Grazing in Riparian or Shoreline Zones
											Manganese	Mill Tailings
											Mercury	Mine Tailings
											Nitrogen (Total)	Placer Mining
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Ruby	MT41C002_050	RAMSHORN CREEK, headwaters to	5	15.2	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Channelization
		mouth (Ruby River)									vegetative covers Lead	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Irrigated Crop Production
											Phosphorus (Total)	Mine Tailings
											Sedimentation/Siltation	Placer Mining
												Unspecified Unpaved Road or Trail
Ruby	MT41C002_060	CURRANT CREEK, headwaters to mouth (Ramshorn Creek), T4S R4W S3	5 5	3.72	MILES	B-1	N	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones Mine Tailings
											Lead	Unspecified Unpaved Road or Trail
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
Ruby	MT41C002_090	CALIFORNIA CREEK, headwaters to	5	10.94	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		mouth (Ruby River), T5S R4W S30									vegetative covers Phosphorus (Total)	Placer Mining
											Sedimentation/Siltation	
Ruby	MT41C002_100	GARDEN CREEK, headwaters to mouth (Ruby Reservoir)	n 5	7.72	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		, ,									Nitrogen (Total)	Unspecified Unpaved Road or Trail
											Phosphorus (Total)	
											Sedimentation/Siltation	

**HUC** 10020003 Ruby Watershed Upper Missouri Tribs. Category Size TMDL Planning Area ID305B Waterbody Units Use AgL AG DW **Cause Name** Source Name Name/Location Class MT41C002\_110 MORMON CREEK, headwaters to mouth 5 7.86 MILES B-1 Р F F Alteration in stream-side or littoral Grazing in Riparian or Shoreline Zones Ruby (Upper end of Ruby River Reservoir ) vegetative covers Phosphorus (Total) Sedimentation/Siltation Ruby MT41C003 020 COAL CREEK, headwaters to mouth 9.35 MILES B-1 Alteration in stream-side or littoral Grazing in Riparian or Shoreline Zones (Middle Fork Ruby River) vegetative covers Sedimentation/Siltation Ruby MT41C003 030 COTTONWOOD CREEK, headwaters to 5 11.15 MILES B-1 Alteration in stream-side or littoral Channelization mouth (Ruby River) vegetative covers Irrigated Crop Production Low flow alterations Rangeland Grazing Nitrogen (Total) Unspecified Unpaved Road or Trail Sedimentation/Siltation EAST FORK RUBY RIVER, headwaters 5 MILES Ruby MT41C003\_040 10.3 B-1 F Alteration in stream-side or littoral Grazing in Riparian or Shoreline Zones to mouth (Ruby River) vegetative covers Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation WARM SPRINGS CREEK, headwaters 4A Ruby MT41C003\_050 8.48 MILES B-1 Р F F Alteration in stream-side or littoral Agriculture to mouth (Ruby River) vegetative covers Grazing in Riparian or Shoreline Zones Sedimentation/Siltation Unspecified Unpaved Road or Trail MT41C003 060 SWEETWATER CREEK, headwaters to 5 MILES B-1 F Alteration in stream-side or littoral Irrigated Crop Production Ruby 24.72 Ν mouth (Ruby River) vegetative covers Rangeland Grazing Chlorophyll-a Unspecified Unpaved Road or Trail Low flow alterations Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation Temperature, water Ruby MT41C003\_080 WEST FORK RUBY RIVER, headwaters 4A 7.92 MILES B-1 Sedimentation/Siltation Rangeland Grazing to mouth (Ruby River) Ruby MT41C003 090 MIDDLE FORK RUBY RIVER. Divide 11.82 MILES B-1 F Alteration in stream-side or littoral Grazing in Riparian or Shoreline Zones Creek to mouth (Ruby River) vegetative covers

<b>HUC</b> 10020003	Ruby	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Ruby	MT41C003_090	MIDDLE FORK RUBY RIVER, Divide Creek to mouth (Ruby River)	5	11.82	MILES	B-1	Р	F	F	F	Nitrogen (Total)	Unspecified Unpaved Road or Trail
		order to mount (ready revor)									Phosphorus (Total)	
											Sedimentation/Siltation	
Ruby	MT41C003_110	POISON CREEK, headwaters to mouth	5	6.2	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Natural Sources
		(Ruby River), T11S R3W S18									vegetative covers Cadmium	Placer Mining
											Lead	Rangeland Grazing
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
Ruby	MT41C003_120	BASIN CREEK, headwaters to mouth (Ruby River), T11S R3W S20	5	5.4	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Sedimentation/Siltation	
Ruby	MT41C003_130	BURNT CREEK, headwaters to mouth (Ruby River), T10S R3W S21	5	5.62	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Sedimentation/Siltation	
Ruby	MT41C003_140	HAWKEYE CREEK, headwaters to	5	4.23	MILES	B-1	Р	F	F	F	Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
		mouth (Middle Fork Ruby River)										Source Unknown
Ruby	MT41C003_150	SHOVEL CREEK, headwaters to mouth (Cabin Creek)	4A	5.61	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Rangeland Grazing

<b>HUC</b> 10020004	Big Hole	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Big Hole	MT41D001_010	BIG HOLE RIVER, Divide Creek to	5	49.27	MILES	B-1	N	F	N	Р	Cadmium	Acid Mine Drainage
		mouth (Jefferson River)									Copper	Dam Construction (Other than Upstream Flood
											Lead	Control Projects) Grazing in Riparian or Shoreline Zones
											Low flow alterations	Habitat Modification - other than Hydromodification
											Physical substrate habitat alterations	Highway/Road/Bridge Runoff (Non-construction
											Temperature, water	Related) Highways, Roads, Bridges, Infrasturcture (New
											Zinc	Construction) Impacts from Abandoned Mine Lands (Inactive)
												Irrigated Crop Production
												Streambank Modifications/destablization
Middle Big Hole	MT41D001_020	BIG HOLE RIVER, Divide Creek to	4A	44.39	MILES	A-1	N	F	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		Pintlar Creek									vegetative covers Copper	Agriculture
											Lead	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Physical substrate habitat alterations	Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation	Irrigated Crop Production
											Temperature, water	Rangeland Grazing
Upper Big Hole	MT41D001_030	BIG HOLE RIVER, headwaters to Pintlar Creek	4A	65.16	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
		Cleek									Low flow alterations	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Sedimentation/Siltation	Irrigated Crop Production
											Temperature, water	Loss of Riparian Habitat
												Rangeland Grazing
Lower Big Hole	MT41D002_010	TRAPPER CREEK, headwaters to mouth	n 4A	18.98	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		(Big Hole River)									vegetative covers Arsenic	Channelization
											Cadmium	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Copper	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Impacts from Hydrostructure Flow Regulation/modification
											Low flow alterations	Irrigated Crop Production

<b>HUC</b> 10020004	Big Hole	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Big Hole	MT41D002_010	TRAPPER CREEK, headwaters to mouth	1 4A	18.98	MILES	B-1	N	F	N	Р	Physical substrate habitat alterations	Mine Tailings
		(Big Hole River)									Sedimentation/Siltation	Unspecified Unpaved Road or Trail
											Zinc	
Lower Big Hole	MT41D002_020	CAMP CREEK, headwaters to mouth (Big Hole River)	5	15.6	MILES	B-1	Р	Р	N	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		(big fible Kiver)									Arsenic	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Unspecified Unpaved Road or Trail
											Phosphorus (Total)	
											Sedimentation/Siltation	
Lower Big Hole	MT41D002_030	CANYON CREEK, headwaters to mouth	4C	18.41	MILES	B-1	Х	Х	Х	Р	Low flow alterations	Agriculture
		(Big Hole River)										Irrigated Crop Production
Lower Big Hole	MT41D002_040	DIVIDE CREEK, headwaters to mouth	4A	13.99	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		(Big Hole River)									vegetative covers  Low flow alterations	Flow Alterations from Water Diversions
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Temperature, water	
											Total Kjehldahl Nitrogen (TKN)	
Lower Big Hole	MT41D002_050	MOOSE CREEK, headwaters to mouth	4A	16.99	MILES	B-1	N	Х	Х	Р	Low flow alterations	Irrigated Crop Production
		(Big Hole River at Maiden Rock)									Sedimentation/Siltation	
Lower Big Hole	MT41D002_060	GROSE CREEK, headwaters to mouth	4A	4.93	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		(Big Hole River)									vegetative covers Nitrogen (Total)	Crop Production (Crop Land or Dry Land)
											Other flow regime alterations	Unspecified Unpaved Road or Trail
											Phosphorus (Total)	
											Sedimentation/Siltation	
Lower Big Hole	MT41D002_070	SASSMAN GULCH, headwaters to the end of the stream reach in T4S R9W S9	5	3.89	MILES	B-1	N	F	F	F	Arsenic	Impacts from Abandoned Mine Lands (Inactive)

<b>HUC</b> 10020004	Big Hole	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
ower Big Hole	MT41D002_090	BIRCH CREEK, headwaters to National Forest Boundary	4A	13.91	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Agriculture
											Low flow alterations	Grazing in Riparian or Shoreline Zones
											Physical substrate habitat alterations  Sedimentation/Siltation	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
												Streambank Modifications/destablization
ower Big Hole	MT41D002_100	BIRCH CREEK, National Forest	4A	10.67	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Channelization
		Boundary to mouth (Big Hole River)									vegetative covers  Low flow alterations	Dam or Impoundment
											Other anthropogenic substrate alterations	Impacts from Hydrostructure Flow Regulation/modification
											Physical substrate habitat alterations	Irrigated Crop Production
											Sedimentation/Siltation	
wer Big Hole	MT41D002_110	WILLOW CREEK, headwaters to mouth	4C	23.39	MILES	B-1	Х	Х	Х	Р	Low flow alterations	Agriculture
		(Big Hole River), T4S R8W S1										Irrigated Crop Production
ower Big Hole	MT41D002_120	WICKIUP CREEK, headwaters to mouth	5	4.09	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		(Camp Creek), T2S R8W S1									vegetative covers Bottom Deposits	Grazing in Riparian or Shoreline Zones
											Copper	Subsurface (Hardrock) Minining
											Lead	
											Mercury	
											Phosphorus (Total)	
ower Big Hole	MT41D002_140	SOAP CREEK, headwaters to mouth	4A	8.24	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Big Hole River), T2S R9W S10									vegetative covers Nitrogen (Total)	Irrigated Crop Production
											Phosphorus (Total)	Unspecified Unpaved Road or Trail
											Sedimentation/Siltation	
liddle Big Hole	MT41D002_150	CHARCOAL CREEK, headwaters to	5	4.06	MILES	A-1	Р	F	F	F	Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
		mouth (Big Hole River)									Phosphorus (Total)	Unspecified Unpaved Road or Trail
											Sedimentation/Siltation	
ower Big Hole	MT41D002_160	ROCHESTER CREEK, headwaters to mouth (Big Hole River), T3S R6W S29	4A	14.92	MILES	B-1	Р	F	N	F	Arsenic	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10020004	Big Hole	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Big Hole	MT41D002_160	ROCHESTER CREEK, headwaters to	4A	14.92	MILES	B-1	Р	F	N	F	Copper	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Big Hole River), T3S R6W S29									Lead	Subsurface (Hardrock) Minining
											Mercury	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Lower Big Hole	MT41D002_180	LOST CREEK, headwaters to mouth	4A	7.84	MILES	B-1	Р	Р	N	F	Alteration in stream-side or littoral	Mine Tailings
		(Lost Creek Canal/Ditch), T4S R9W S15	)								vegetative covers Arsenic	Rangeland Grazing
											Nitrogen (Total)	Unspecified Unpaved Road or Trail
											Phosphorus (Total)	
											Sedimentation/Siltation	
Middle Big Hole	MT41D003_020	JERRY CREEK, headwaters to mouth	5	12.69	MILES	A-1	N	F	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		(Big Hole River)									vegetative covers Copper	Agriculture
											Excess Algal Growth	Grazing in Riparian or Shoreline Zones
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification
											Physical substrate habitat alterations	Irrigated Crop Production
											Sedimentation/Siltation	On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Rangeland Grazing
												Silviculture Activities
												Site Clearance (Land Development or Redevelopment)
Middle Big Hole	MT41D003_030	DELANO CREEK, headwaters to mouth (Jerry Creek)	4A	2.32	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
Middle Big Hole	MT41D003_040	DEEP CREEK, headwaters to mouth (Bi Hole River)	g 4A	9.21	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Irrigated Crop Production
		Hole MVel)									Low flow alterations	Rangeland Grazing
											Sedimentation/Siltation	Streambank Modifications/destablization
Middle Big Hole	MT41D003_050	FRENCH CREEK, headwaters to mouth (Deep Creek)	4A	10.08	MILES	A-1	N	Х	N	Х	Arsenic	Acid Mine Drainage

<b>HUC</b> 10020004	Big Hole	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Big Hole	MT41D003_050	FRENCH CREEK, headwaters to mouth	4A	10.08	MILES	A-1	N	х	N	х	Copper	Atmospheric Depositon - Toxics
		(Deep Creek)									Sedimentation/Siltation	Contaminated Sediments
												Impacts from Abandoned Mine Lands (Inactive)
Middle Big Hole	MT41D003_070	CALIFORNIA CREEK, headwaters to mouth (French Creek-Deep Creek)	5	8.28	MILES	B-1	N	N	N	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
		modui (French Creek-Deep Creek)									Arsenic	Atmospheric Depositon - Toxics
											Copper	Contaminated Sediments
											Iron	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Impacts from Abandoned Mine Lands (Inactive)
											Other anthropogenic substrate alterations	Impacts from Hydrostructure Flow Regulation/modification
											Physical substrate habitat alterations	Irrigated Crop Production
											Sedimentation/Siltation	Natural Sources
											Turbidity	Placer Mining
												Rangeland Grazing
												Silviculture Activities
												Unspecified Unpaved Road or Trail
Middle Big Hole	MT41D003_080	OREGON CREEK, headwaters to mouth	ı 5	3.09	MILES	A-1	N	N	N	F	Alteration in stream-side or littoral	Acid Mine Drainage
		(California Creek-French Creek-Deep Creek)									vegetative covers Arsenic	Agriculture
											Copper	Atmospheric Depositon - Toxics
											Lead	Channelization
											Other anthropogenic substrate alterations	Dredge Mining
											Physical substrate habitat alterations	Erosion from Derelict Land (Barren Land)
											Sedimentation/Siltation	Forest Roads (Road Construction and Use)
												Highways, Roads, Bridges, Infrasturcture (New Construction) Impacts from Abandoned Mine Lands (Inactive)
												Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
												Mine Tailings
												Natural Sources

<b>HUC</b> 10020004	Big Hole	Waters	shed	Upper	Missour	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Big Hole	MT41D003_080	OREGON CREEK, headwaters to mouth (California Creek-French Creek-Deep	5	3.09	MILES	A-1	N	N	N	F		Silviculture Activities
		Creek)										Streambank Modifications/destablization
												Unspecified Unpaved Road or Trail
Middle Big Hole	MT41D003_090	SIXMILE CREEK, headwaters to mouth (California Creek)	4A	4.4	MILES	A-1	Р	F	F	F	Physical substrate habitat alterations	Rangeland Grazing
		(California Creek)									Sedimentation/Siltation	Silviculture Activities
												Streambank Modifications/destablization
												Unspecified Unpaved Road or Trail
Middle Big Hole	MT41D003_110	SEVENMILE CREEK, headwaters to mouth (Deep Creek)	4A	6.43	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Natural Sources
		точт (Беер Стеек)									Sedimentation/Siltation	Rangeland Grazing
												Streambank Modifications/destablization
Middle Big Hole	MT41D003_120	TWELVEMILE CREEK, headwaters to	5	9.09	MILES	A-1	Р	F	F	F	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
		mouth (Deep Creek)										Silviculture Harvesting
Middle Big Hole	MT41D003_130	CORRAL CREEK, headwaters to mouth (Deep Creek)	4A	5.2	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Natural Sources
		(Беер Стеек)									Physical substrate habitat alterations	Rangeland Grazing
											Sedimentation/Siltation	Silviculture Activities
Middle Big Hole	MT41D003_160	FISHTRAP CREEK, confluence of West		5.85	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
		& Middle Forks to mouth (Big Hole River)	)								vegetative covers Low flow alterations	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Sedimentation/Siltation	
Middle Big Hole	MT41D003_170	PINTLAR CREEK, headwaters to mouth (Big Hole River)	5	21.25	MILES	A-1	Р	F	F	Р	Low flow alterations	Grazing in Riparian or Shoreline Zones
		(big fible River)									Other flow regime alterations	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	Impacts from Hydrostructure Flow Regulation/modification
											Temperature, water	Irrigated Crop Production
												Loss of Riparian Habitat
												Natural Sources
Middle Big Hole	MT41D003_200	WISE RIVER, headwaters to mouth (Big Hole River)	4A	26.67	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Agriculture

<b>HUC</b> 10020004	Big Hole	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Big Hole	MT41D003_200	WISE RIVER, headwaters to mouth (Big	4A	26.67	MILES	A-1	Р	F	F	Р	Cadmium	Channelization
		Hole River)									Copper	Grazing in Riparian or Shoreline Zones
											Lead	Highways, Roads, Bridges, Infrasturcture (New
											Low flow alterations	Construction) Impacts from Hydrostructure Flow
											Physical substrate habitat alterations	Regulation/modification Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
												Rangeland Grazing
Middle Big Hole	MT41D003_210	PATTENGAIL CREEK, headwaters to mouth (Wise River)	4A	20.04	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Physical substrate habitat alterations	Dam Construction (Other than Upstream Flood Control Projects) Highways, Roads, Bridges, Infrasturcture (New Construction)
											Sedimentation/Siltation	
Middle Big Hole	MT41D003_220	ELKHORN CREEK, headwaters to	4A	7.52	MILES	A-1	N	F	F	F	Arsenic	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Jacobson Creek)									Cadmium	Mill Tailings
											Copper	Mine Tailings
											Lead	
											Sedimentation/Siltation	
											Zinc	
Middle Big Hole	MT41D003_230	GOLD CREEK, headwaters to mouth (Wise River)	5	4.92	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
North Fork Big Hole	MT41D004_010	NORTH FORK BIG HOLE RIVER, headwaters to mouth (Big Hole River)	4A	25.92	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations	Grazing in Riparian or Shoreline Zones  Highway/Road/Bridge Runoff (Non-construction Related)
											Sedimentation/Siltation	Irrigated Crop Production
												Loss of Riparian Habitat
												Silviculture Activities
North Fork Big Hole	MT41D004_020	MUSSIGBROD CREEK, headwaters to	5	14.62	MILES	A-1	N	F	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		mouth (North Fork Big Hole River)									vegetative covers Lead	Agriculture

HUC 10020004	Big Hole	Waters	shed	Upper	Missouri	Tribs.						
MDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
orth Fork Big Hole	MT41D004_020	MUSSIGBROD CREEK, headwaters to	5	14.62	MILES	A-1	N	F	N	Р	Low flow alterations	Grazing in Riparian or Shoreline Zones
		mouth (North Fork Big Hole River)									Other anthropogenic substrate alterations	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	Impacts from Hydrostructure Flow Regulation/modification
											Sedimentation/Siltation	Irrigated Crop Production
												Loss of Riparian Habitat
												Natural Sources
												Rangeland Grazing
orth Fork Big Hole	MT41D004_030	JOHNSON CREEK, headwaters to mouth (North Fork Big Hole River)	5	15.7	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		mount (Notarr olk big flole (NVer)									Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Silviculture Harvesting
											Sedimentation/Siltation	
orth Fork Big Hole	MT41D004_040	SCHULTZ CREEK, headwaters to mouth	n 5	3.28	MILES	A-1	Р	F	F	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use)
		(Johnson Creek)										Grazing in Riparian or Shoreline Zones
												Silviculture Harvesting
orth Fork Big Hole	MT41D004_060	TIE CREEK, headwaters to mouth (North	n 5	16.49	MILES	A-1	Р	F	F	F	Nitrogen (Total)	Rangeland Grazing
		Fork Big Hole River)									Physical substrate habitat alterations	Silviculture Activities
											Sedimentation/Siltation	Unspecified Unpaved Road or Trail
orth Fork Big Hole	MT41D004_070	TRAIL CREEK, headwaters to Joseph	4A	13.07	MILES	A-1	N	F	F	F	Physical substrate habitat alterations	Grazing in Riparian or Shoreline Zones
		Creek									Sedimentation/Siltation	Impacts from Abandoned Mine Lands (Inactive)
												Silviculture Activities
												Streambank Modifications/destablization
												Unspecified Unpaved Road or Trail
orth Fork Big Hole	MT41D004_080	TRAIL CREEK, Joseph Creek to mouth	4A	10.88	MILES	A-1	Р	F	F	F	Physical substrate habitat alterations	Grazing in Riparian or Shoreline Zones
		(North Fork Big Hole River)									Sedimentation/Siltation	Impacts from Abandoned Mine Lands (Inactive)
												Silviculture Activities
												Streambank Modifications/destablization

<b>HUC</b> 10020004	Big Hole	Water	shed	Upper	Missour	i Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
North Fork Big Hole	MT41D004_090	JOSEPH CREEK, headwaters to mouth	5	7.29	MILES	A-1	Р	F	N	F	Copper	Channelization
		(Trail Creek)									Lead	Highways, Roads, Bridges, Infrasturcture (New
											Physical substrate habitat alterations	Construction) Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation	Silviculture Harvesting
North Fork Big Hole	MT41D004_100	RUBY CREEK, headwaters to mouth	4A	18.8	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral	Dredge Mining
		(North Fork Big Hole River)									vegetative covers Low flow alterations	Forest Roads (Road Construction and Use)
											Physical substrate habitat alterations	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
												Loss of Riparian Habitat
												Rangeland Grazing
												Silviculture Activities
												Unspecified Unpaved Road or Trail
Upper Big Hole	MT41D004_110	SWAMP CREEK, headwaters to mouth	5	24.51	MILES	A-1	Р	F	F	N	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Big Hole River)									vegetative covers  Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Loss of Riparian Habitat
											Phosphorus (Total)	
											Sedimentation/Siltation	
Upper Big Hole	MT41D004_120	ROCK CREEK, headwaters to mouth	5	25.62	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral	Agriculture
		(Big Hole River)									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	Impacts from Hydrostructure Flow
											Phosphorus (Total)	Regulation/modification Irrigated Crop Production
											Physical substrate habitat alterations	Loss of Riparian Habitat
											Sedimentation/Siltation	
Upper Big Hole	MT41D004_140	MINER CREEK, headwaters to mouth	4A	21.88	MILES	A-1	Р	1	ı	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use)
		(Big Hole River)										Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10020004	Big Hole	Water	rshed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Big Hole	MT41D004_150	GOVERNOR CREEK, headwaters to mouth (Warm Springs Creek)	5	18.91	MILES	A-1	N	F	F	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
											Copper	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Habitat Modification - other than Hydromodification
											Other anthropogenic substrate alterations	Impacts from Hydrostructure Flow Regulation/modification
											Physical substrate habitat alterations	Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
Upper Big Hole	MT41D004_160	PINE CREEK, headwaters to mouth (Andrus Creek)	5	5.37	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Phosphorus (Total)	Rangeland Grazing
											Sedimentation/Siltation	
Upper Big Hole	MT41D004_170	FOX CREEK, headwaters to mouth	5	6.85	MILES	A-1	Р	F	F	F	Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
		(Governor Creek)									Sedimentation/Siltation	
Upper Big Hole	MT41D004_180	WARM SPRINGS CREEK, headwaters	5	20	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		to mouth (Big Hole River)									vegetative covers Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Loss of Riparian Habitat
											Phosphorus (Total)	
											Sedimentation/Siltation	
Upper Big Hole	MT41D004_190	STEEL CREEK, headwaters to mouth	5	16.69	MILES	A-1	N	F	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		(Big Hole River)									vegetative covers Cadmium	Agriculture
											Copper	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Habitat Modification - other than Hydromodification
											Nitrogen (Total)	Impacts from Abandoned Mine Lands (Inactive)
											Other anthropogenic substrate alterations	Impacts from Hydrostructure Flow Regulation/modification
											Phosphorus (Total)	Irrigated Crop Production
											Physical substrate habitat alterations	Loss of Riparian Habitat
											Sedimentation/Siltation	Rangeland Grazing
Upper Big Hole	MT41D004_200	FRANCIS CREEK, headwaters to mout (Steel Creek)	h 4A	8.81	MILES	A-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10020004	Big Hole	Waters	shed	Upper I	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Big Hole	MT41D004_200	FRANCIS CREEK, headwaters to mouth (Steel Creek)	4A	8.81	MILES	A-1	Р	F	F	F	Nitrogen (Total) Phosphorus (Total)	
Upper Big Hole	MT41D004_210	McVEY CREEK, headwaters to mouth (Big Hole River)	5	9.48	MILES	A-1	Р	F	F	F	Sedimentation/Siltation  Alteration in stream-side or littoral vegetative covers Nitrogen (Total)  Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
Upper Big Hole	MT41D004_220	DOOLITTLE CREEK, headwaters to mouth (Big Hole River)	4A	5.59	MILES	A-1	Р	F	F	Р	Sedimentation/Siltation  Alteration in stream-side or littoral vegetative covers Low flow alterations  Sedimentation/Siltation	Agriculture Highways, Roads, Bridges, Infrasturcture (New Construction) Irrigated Crop Production
Middle Big Hole	MT41D004_230	SAWLOG CREEK, headwaters to mouth (Big Hole River)	5	4.79	MILES	A-1	N	F	F	F	Alteration in stream-side or littoral vegetative covers Phosphorus (Total) Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones Unspecified Unpaved Road or Trail

<b>HUC</b> 10020005	Jefferson	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Jefferson	MT41G001_011	JEFFERSON RIVER, headwaters to	5	66.3	MILES	B-1	N	F	N	Р	Copper	Dam or Impoundment
		confluence of Jefferson Slough									Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Impacts from Hydrostructure Flow
											Physical substrate habitat alterations	Regulation/modification Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
											Solids (Suspended/Bedload)	Natural Sources
											Temperature, water	Streambank Modifications/destablization
Lower Jefferson	MT41G001_012	JEFFERSON RIVER, confluence of	5	53.6	MILES	B-1	N	F	N	Р	Copper	Dam or Impoundment
		Jefferson Slough to mouth (Missouri River)									Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Impacts from Hydrostructure Flow
											Physical substrate habitat alterations	Regulation/modification Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
											Solids (Suspended/Bedload)	Natural Sources
											Temperature, water	Streambank Modifications/destablization
Upper Jefferson	MT41G002_010	BIG PIPESTONE CREEK, headwaters to		22.46	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		mouth (Jefferson Slough), T1N R4W S1	1								vegetative covers Cause Unknown	Channelization
											Nitrogen (Total)	Dam or Impoundment
											Other anthropogenic substrate alterations	Forest Roads (Road Construction and Use)
											Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Physical substrate habitat alterations	Habitat Modification - other than Hydromodification
											Sedimentation/Siltation	Highway/Road/Bridge Runoff (Non-construction Related)
											Temperature, water	Highways, Roads, Bridges, Infrasturcture (New
											Total Suspended Solids (TSS)	Construction) Irrigated Crop Production
												Loss of Riparian Habitat
												Municipal Point Source Discharges
												Sediment Resuspension (Clean Sediment)
												Source Unknown

<b>HUC</b> 10020005	Jefferson	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Jefferson	MT41G002_010	BIG PIPESTONE CREEK, headwaters to mouth (Jefferson Slough), T1N R4W S11		22.46	MILES	B-1	Р	F	F	Р		Streambank Modifications/destablization Unspecified Unpaved Road or Trail
Upper Jefferson	MT41G002_020	HALFWAY CREEK, headwaters to mouth (Big Pipestone Creek-Jefferson River)	5	7.9	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones  Loss of Riparian Habitat  Unspecified Unpaved Road or Trail
Upper Jefferson	MT41G002_030	HELLS CANYON CREEK, headwaters to mouth (Jefferson River)	• 4A	13.28	MILES	B-1	P	F	F	Р	Low flow alterations  Physical substrate habitat alterations  Sedimentation/Siltation	Flow Alterations from Water Diversions Grazing in Riparian or Shoreline Zones Irrigated Crop Production Natural Sources Silviculture Activities Unspecified Unpaved Road or Trail
Upper Jefferson	MT41G002_040	LITTLE PIPESTONE CREEK, headwaters to mouth (Big Pipestone Creek)	5	16.86	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation	Channelization  Grazing in Riparian or Shoreline Zones  Highway/Road/Bridge Runoff (Non-construction Related)
Lower Jefferson	MT41G002_050	NORTH WILLOW CREEK, headwaters to mouth (Willow Creek)	5	17.62	MILES	B-1	N	F	N	P	Alteration in stream-side or littoral vegetative covers Lead Low flow alterations Mercury Physical substrate habitat alterations	Agriculture Channelization Grazing in Riparian or Shoreline Zones Impacts from Abandoned Mine Lands (Inactive) Irrigated Crop Production Natural Sources Subsurface (Hardrock) Minining
Lower Jefferson	MT41G002_060	SOUTH BOULDER RIVER, headwaters to mouth (Jefferson River)	5	23.32	MILES	B-1	Р	F	F	P	Arsenic Copper Lead Low flow alterations Mercury	Acid Mine Drainage  Contaminated Sediments  Impacts from Abandoned Mine Lands (Inactive)  Impacts from Hydrostructure Flow Regulation/modification Mine Tailings

<b>HUC</b> 10020005	Jefferson	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Jefferson	MT41G002_060	SOUTH BOULDER RIVER, headwaters to mouth (Jefferson River)	5	23.32	MILES	B-1	Р	F	F	Р	Phosphorus (Total)	
Lower Jefferson	MT41G002_080	WILLOW CREEK, North and South Fork	5	15.28	MILES	B-1	N	F	F	Р	Low flow alterations	Acid Mine Drainage
		confluence to mouth (Jefferson River)									Temperature, water	Flow Alterations from Water Diversions
											Zinc	Impacts from Abandoned Mine Lands (Inactive)
												Irrigated Crop Production
Lower Jefferson	MT41G002_090	NORWEGIAN CREEK, headwaters to	5	10.82	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral	Animal Feeding Operations (NPS)
		mouth (Willow Creek Reservoir)									vegetative covers Arsenic	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	Impacts from Abandoned Mine Lands (Inactive)
											Phosphorus (Total)	Irrigated Crop Production
											Sedimentation/Siltation	
											Temperature, water	
Upper Jefferson	MT41G002_100	FISH CREEK, headwaters to mouth (Jefferson Canal), T1S R5W S12	4A	19.87	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
											vegetative covers Low flow alterations	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
												Irrigated Crop Production
Upper Jefferson	MT41G002_110	CHERRY CREEK, headwaters to mouth (Jefferson River)	n 5	6.88	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
											vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Irrigated Crop Production
											Zinc	Loss of Riparian Habitat
												Source Unknown
Lower Jefferson	MT41G002_130	SOUTH WILLOW CREEK, headwaters to mouth (Willow Creek)	to 5	16.2	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Agriculture
											vegetative covers Excess Algal Growth	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Highway/Road/Bridge Runoff (Non-construction Related)
											Physical substrate habitat alterations	Irrigated Crop Production
											Sedimentation/Siltation	Natural Sources
											Zinc	

<b>HUC</b> 10020005	Jefferson	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Jefferson	MT41G002_140	WHITETAIL CREEK, Whitetail Reservoir to mouth (Jeferson Slough)	5	23.4	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Aluminum	Flow Alterations from Water Diversions  Irrigated Crop Production
											Ammonia (Un-ionized)	Rangeland Grazing
											Chlorophyll-a	Subsurface (Hardrock) Minining
											Copper	Upstream Source
											Lead	
											Low flow alterations	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Silver	
Lower Jefferson	MT41G002_150	CHARCOAL CREEK, headwaters to mouth (Pony Creek)	5	2.72	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
											vegetative covers Sedimentation/Siltation	Unspecified Unpaved Road or Trail
Upper Jefferson	MT41G002_160	FITZ CREEK, headwaters to mouth (Little Whitetail Creek)	5	4.71	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral vegetative covers Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	

<b>HUC</b> 10020006	Boulder	Waters	shed	Upper	Missouri Tribs.							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Boulder - Elkhorn	MT41E001_010	BOULDER RIVER, headwaters to Basin	5	24.38	MILES	B-1	Р	F	N	F	Cadmium	Acid Mine Drainage
		Creek									Copper	Impacts from Abandoned Mine Lands (Inactive)
											Iron	
											Lead	
											Zinc	
Boulder - Elkhorn	MT41E001_021	BOULDER RIVER, Basin Creek to Town of Boulder	5	9.28	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage
		or Bodidoi									Cadmium	Channelization
											Copper	Habitat Modification - other than Hydromodification
											Iron	Highways, Roads, Bridges, Infrasturcture (New
											Lead	Construction) Impacts from Abandoned Mine Lands (Inactive)
											Silver	Mill Tailings
											Zinc	Mine Tailings
Boulder - Elkhorn	MT41E001_022	BOULDER RIVER, Town of Boulder to	5	35.85	MILES	B-1	N	Р	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		Cottonwood Creek									vegetative covers Copper	Contaminated Sediments
											Iron	Grazing in Riparian or Shoreline Zones
											Lead	Habitat Modification - other than Hydromodification
											Low flow alterations	Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation	Impacts from Hydrostructure Flow
											Silver	Regulation/modification Irrigated Crop Production
											Temperature, water	Loss of Riparian Habitat
											Zinc	
Boulder - Elkhorn	MT41E001_030	BOULDER RIVER, Cottonwood Creek to		14.12	MILES	B-1	N	Р	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		the mouth (Jefferson Slough), T1N R3W S2									vegetative covers Arsenic	Contaminated Sediments
											Cadmium	Forest Roads (Road Construction and Use)
											Copper	Grazing in Riparian or Shoreline Zones
											Lead	Highways, Roads, Bridges, Infrasturcture (New
											Low flow alterations	Construction) Impacts from Abandoned Mine Lands (Inactive)

<b>HUC</b> 10020006	Boulder	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Boulder - Elkhorn	MT41E001_030	BOULDER RIVER, Cottonwood Creek to the mouth (Jefferson Slough), T1N R3W		14.12	MILES	B-1	N	Р	N	Р	Sedimentation/Siltation	Impacts from Hydrostructure Flow Regulation/modification
		S2									Temperature, water	Irrigated Crop Production
											Zinc	Mill Tailings
Boulder - Elkhorn	MT41E002_010	UNCLE SAM GULCH, headwaters to mouth (Cataract Creek)	5	2.89	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage
		mouth (Catalact Cleek)									Arsenic	Agriculture
											Cadmium	Forest Roads (Road Construction and Use)
											Copper	Habitat Modification - other than Hydromodification
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Nitrogen, Nitrate	Silviculture Activities
											Other flow regime alterations	Subsurface (Hardrock) Minining
											Sedimentation/Siltation	
											Turbidity	
											Zinc	
Boulder - Elkhorn	MT41E002_020	CATARACT CREEK, headwaters to	5	11.72	MILES	B-1	N	Р	N	F	Arsenic	Acid Mine Drainage
		mouth (Boulder River)									Cadmium	Contaminated Sediments
											Copper	Forest Roads (Road Construction and Use)
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Mercury	Loss of Riparian Habitat
											Nitrogen, Nitrate	Mine Tailings
											Sedimentation/Siltation	Rangeland Grazing
											Zinc	Silviculture Activities
												Silviculture Harvesting
Boulder - Elkhorn	MT41E002_030	BASIN CREEK, headwaters to mouth (Boulder River)	5	16.7	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage
		(Bodider River)									Arsenic	Contaminated Sediments
											Copper	Forest Roads (Road Construction and Use)
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Mercury	Loss of Riparian Habitat

<b>HUC</b> 10020006	Boulder	Water	rshed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Boulder - Elkhorn	MT41E002_030	BASIN CREEK, headwaters to mouth	5	16.7	MILES	B-1	N	Р	N	F	Sedimentation/Siltation	Mine Tailings
		(Boulder River)									Zinc	Rangeland Grazing
												Silviculture Activities
												Silviculture Harvesting
Boulder - Elkhorn	MT41E002_040	HIGH ORE CREEK, headwaters to mouth (Boulder River)	5	6.65	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage
		mouth (Boulder River)									Arsenic	Channelization
											Cadmium	Contaminated Sediments
											Copper	Forest Roads (Road Construction and Use)
											Lead	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Mercury	Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation	Loss of Riparian Habitat
											Temperature, water	Mine Tailings
											Total Suspended Solids (TSS)	Rangeland Grazing
											Zinc	Silviculture Activities
Boulder - Elkhorn	MT41E002_050	LOWLAND CREEK, headwaters to mouth (Boulder River)	5	14.25	MILES	B-1	N	F	F	F	Alteration in stream-side or littoral	Channelization
		mouth (Boulder River)									vegetative covers Aluminum	Dredge Mining
											Copper	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	Streambank Modifications/destablization
											Silver	
Boulder - Elkhorn	MT41E002_061	ELKHORN CREEK, headwaters to Woo	od 5	8.16	MILES	B-1	N	Р	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		Gulch									vegetative covers Arsenic	Channelization
											Cadmium	Dredge Mining
											Copper	Grazing in Riparian or Shoreline Zones
											Lead	Habitat Modification - other than Hydromodification
											Low flow alterations	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Sedimentation/Siltation	Impacts from Abandoned Mine Lands (Inactive)
											Zinc	

<b>HUC</b> 10020006	Boulder	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Boulder - Elkhorn	MT41E002_062	ELKHORN CREEK, Wood Gulch to the		3.56	MILES	B-1	N	Р	N	N	Cadmium	Acid Mine Drainage
		mouth (Unnamed Canal/Ditch), T5N R3V S21	V								Copper	Grazing in Riparian or Shoreline Zones
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Impacts from Hydrostructure Flow
											Sedimentation/Siltation	Regulation/modification Irrigated Crop Production
											Zinc	
Boulder - Elkhorn	MT41E002_070	BISON CREEK, headwaters to mouth	5	25.36	MILES	B-1	N	F	F	F	Alteration in stream-side or littoral	Agriculture
		(Boulder River)									vegetative covers Copper	Channelization
											Iron	Highways, Roads, Bridges, Infrasturcture (New
											Nitrates	Construction) Impacts from Abandoned Mine Lands (Inactive)
Boulder - Elkhorn	MT41E002_080	LITTLE BOULDER RIVER, headwaters	5	16.3	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Agriculture
		to mouth (Boulder River)									vegetative covers Cause Unknown	Dredge Mining
											Copper	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Physical substrate habitat alterations	Impacts from Abandoned Mine Lands (Inactive)
											Zinc	Source Unknown
Boulder - Elkhorn	MT41E002_090	NORTH FORK LITTLE BOULDER	5	12.09	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		RIVER, headwaters to mouth (Little Boulder)									vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
Boulder - Elkhorn	MT41E002_100	MUSKRAT CREEK, headwaters to	5	12.83	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Boulder River)									vegetative covers Copper	Rangeland Grazing
											Lead	
Boulder - Elkhorn	MT41E002_110	McCARTHY CREEK, headwaters to	5	6.44	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Dam or Impoundment
		mouth (Boulder River)									vegetative covers Fish-Passage Barrier	Flow Alterations from Water Diversions
											Low flow alterations	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	Sediment Resuspension (Clean Sediment)
											Sedimentation/Siltation	Source Unknown

<b>HUC</b> 10020006	Boulder	Water	shed	Upper l	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Boulder - Elkhorn	MT41E002_130	NURSERY CREEK, headwaters (east	5	1.4	MILES	B-1	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Agriculture
		branch) to mouth (Muskrat Creek)									Nitrogen (Total)	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Natural Sources
												Watershed Runoff following Forest Fire
Boulder - Elkhorn	MT41E002_140	BIG LIMBER GULCH, headwaters to	5	2.62	MILES	B-1	Х	F	N	Х	Lead	Acid Mine Drainage
		mouth (Cataract Creek-Boulder River)									Mercury	Impacts from Abandoned Mine Lands (Inactive)

<b>HUC</b> 10020007	Madison	Water	shed	Upper	Missouri	i Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Madison	MT41F001_010	MADISON RIVER, Ennis Dam to mouth (Missouri River)	5	41.31	MILES	B-1	Р	F	N	F	Alteration in stream-side or littoral vegetative covers	Agriculture
		(									Copper	Dam Construction (Other than Upstream Flood Control Projects)
											Lead	Dam or Impoundment
											Sedimentation/Siltation	Impacts from Abandoned Mine Lands (Inactive)
											Temperature, water	Impacts from Hydrostructure Flow Regulation/modification Natural Sources
Madison	MT41F002_020	ELK CREEK, headwaters to mouth	5	18.33	MILES	B-1	Ν	F	F	N	Alteration in stream-side or littoral	Agriculture
		(Madison River)									vegetative covers Nitrates	Animal Feeding Operations (NPS)
											Other anthropogenic substrate alterations	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	Habitat Modification - other than Hydromodification
											Physical substrate habitat alterations	Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
											Temperature, water	Natural Sources
											Turbidity	Non-irrigated Crop Production
												Streambank Modifications/destablization
Madison	MT41F002_030	HOT SPRINGS CREEK, headwaters to	5	17.44	MILES	B-1	Х	Х	N	N	Arsenic	Acid Mine Drainage
		mouth (Madison River)									Low flow alterations	Flow Alterations from Water Diversions
												Impacts from Abandoned Mine Lands (Inactive)
												Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
Madison	MT41F004_010	BLAINE SPRING CREEK, headwaters to	0 5	8.86	MILES	B-1	Р	F	F	Р	Excess Algal Growth	Aquaculture (Permitted)
		mouth (Madison River)									Low flow alterations	Flow Alterations from Water Diversions
											Nitrogen (Total)	Streambank Modifications/destablization
											Phosphorus (Total)	
											Sedimentation/Siltation	
Madison	MT41F004_020	O'DELL SPRING CREEK, headwaters to	0 5	13.03	MILES	B-1	Р	F	N	F	Alteration in stream-side or littoral	Agriculture
		mouth (Madison River)									vegetative covers Arsenic	Channelization

<b>HUC</b> 10020007	Madison	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Madison	MT41F004_020	O'DELL SPRING CREEK, headwaters to	5	13.03	MILES	B-1	Р	F	N	F	High Flow Regime	Grazing in Riparian or Shoreline Zones
		mouth (Madison River)									Other anthropogenic substrate alterations	Habitat Modification - other than Hydromodification
											Physical substrate habitat alterations	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
												Source Unknown
<i>M</i> adison	MT41F004_040	INDIAN CREEK, Lee Metcalf Wilderness boundary to mouth (Madison River)	4C	6.34	MILES	B-1	Р	F	F	Р	Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
Madison	MT41F004_050	JACK CREEK, headwaters to mouth	5	15.18	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Madison River)									vegetative covers Low flow alterations	Irrigated Crop Production
											Physical substrate habitat alterations	Natural Sources
											Sedimentation/Siltation	Streambank Modifications/destablization
Madison	MT41F004_060	NORTH MEADOW CREEK, headwaters	5	18.53	MILES	B-1	F	F	F	Р	Low flow alterations	Channelization
		to mouth (Enis Lake)									Phosphorus (Total)	Irrigated Crop Production
											Physical substrate habitat alterations	Natural Sources
											Sedimentation/Siltation	Streambank Modifications/destablization
Madison	MT41F004_070	SOUTH MEADOW CREEK, headwaters	5	12.98	MILES	B-1	N	F	F	Р	Aquatic Plants - Native	Agriculture
		to mouth (Enis Lake)									Chlorophyll-a	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Irrigated Crop Production
											Physical substrate habitat alterations	
<i>M</i> adison	MT41F004_080	RUBY CREEK, headwaters to mouth (Madison River)	4C	15.91	MILES	B-1	N	F	F	Р	Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
Madison	MT41F004_100	WEST FORK MADISON RIVER,	5	39.41	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral	Agriculture
		headwaters to mouth (Madison River)									vegetative covers Arsenic	Flow Alterations from Water Diversions
											Cadmium	Forest Roads (Road Construction and Use)
											Lead	Impacts from Hydrostructure Flow Regulation/modification
											Low flow alterations	Irrigated Crop Production

<b>HUC</b> 10020007	Madison	Waters	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Madison	MT41F004_100	WEST FORK MADISON RIVER,	5	39.41	MILES	B-1	N	F	N	Р	Other anthropogenic substrate alterations	Natural Sources
		headwaters to mouth (Madison River)									Physical substrate habitat alterations	Rangeland Grazing
											Temperature, water	Source Unknown
												Streambank Modifications/destablization
												Unspecified Unpaved Road or Trail
Madison	MT41F004_110	ELK RIVER, headwaters to mouth (West Fork Madison River)	5	15.59	MILES	B-1	Р	F	F	F	Bottom Deposits	Grazing in Riparian or Shoreline Zones
		TOR Madison River)										Unspecified Unpaved Road or Trail
Madison	MT41F004_120	GAZELLE CREEK, headwaters to mouth (West Fork Madison River)	4C	9.65	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(west Fork Madison River)									vegetative covers	Silviculture Harvesting
Madison	MT41F004_130	MOORE CREEK, springs to mouth (Fletcher Channel), T5S R1W S15	5	15.83	MILES	B-1	Х	F	N	N	Arsenic	Acid Mine Drainage
		(Fletcher Channel), 155 KTW 515									Escherichia coli	Agriculture
												Grazing in Riparian or Shoreline Zones
												Impacts from Abandoned Mine Lands (Inactive)
												Natural Sources
Madison	MT41F004_140	ANTELOPE CREEK, headwaters to mouth (Cliff Lake)	5	9.48	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
		modif (Cilii Lake)									Low flow alterations	Channelization
											Sedimentation/Siltation	Flow Alterations from Water Diversions
												Grazing in Riparian or Shoreline Zones
												Loss of Riparian Habitat
												Unspecified Unpaved Road or Trail
Madison	MT41F004_150	BUFORD CREEK, headwaters to confluence with West Fork Madison River	5	4.36	MILES	B-1	Р	F	N	F	Arsenic	Grazing in Riparian or Shoreline Zones
		confidence with west for madison tive									Sedimentation/Siltation	Natural Sources
Madison	MT41F005_030	ENNIS LAKE, to the Ennis Lake Dam, T4S R1E S20	5	3780.8	ACRES	B-1	Р	F	N	Р	Cause Unknown	Acid Mine Drainage
		140 KIE 020									Chromium (total)	Habitat Modification - other than Hydromodification
											Low flow alterations	Impacts from Abandoned Mine Lands (Inactive)
											Other anthropogenic substrate alterations	Impacts from Hydrostructure Flow Regulation/modification

<b>HUC</b> 10020007	Madison	Water	shed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Madison	MT41F005_030	ENNIS LAKE, to the Ennis Lake Dam, T4S R1E S20	5	3780.8	ACRES	B-1	Р	F	N	Р	Physical substrate habitat alterations	Natural Sources Source Unknown
Madison	MT41F006_010	SOUTH FORK MADISON RIVER, headwaters to Hebgen Lake	5	23.3	MILES	B-1	F	F	N	F	Arsenic	Natural Sources
Madison	MT41F006_020	RED CANYON CREEK, headwaters to mouth (Hebgen Lake)	5	6.27	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations Physical substrate habitat alterations Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones  Natural Sources  Silviculture Activities
Madison	MT41F006_030	WATKINS CREEK, headwaters to moutl (Hebgen Lake)	h 4C	7.08	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral vegetative covers Low flow alterations Other anthropogenic substrate alterations Physical substrate habitat alterations	Agriculture Grazing in Riparian or Shoreline Zones Loss of Riparian Habitat Streambank Modifications/destablization

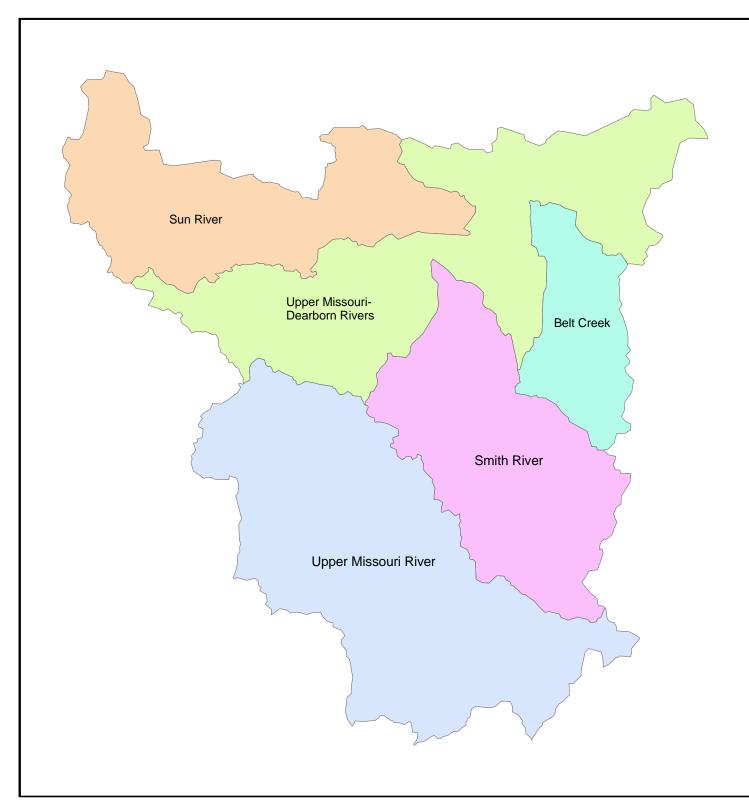
HUC 10020008	Gallatin	Waters	snea	Opper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
ower Gallatin	MT41H001_010	GALLATIN RIVER, Spanish Creek to mouth (Missouri River)	4C	48.12	MILES	B-1	Р	F	F	N	Low flow alterations	Irrigated Crop Production
Lower Gallatin	MT41H002_010	CAMP CREEK, headwaters to mouth	5	29.55	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		(Gallatin River)									vegetative covers Escherichia coli	Animal Feeding Operations (NPS)
											Low flow alterations	Channelization
											Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Other anthropogenic substrate alterations	Irrigated Crop Production
											Physical substrate habitat alterations	Natural Sources
											Sedimentation/Siltation	
ower Gallatin	MT41H002_020	GODFREY CREEK, headwaters to	5	9	MILES	B-1	Р	Р	F	N	Alteration in stream-side or littoral	Agriculture
		mouth (Moreland Ditch), T1S R3E S12									vegetative covers Escherichia coli	Animal Feeding Operations (NPS)
											Excess Algal Growth	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
ower Gallatin	MT41H002_031	SOUTH COTTONWOOD CREEK, Middle Creek Assoc Ditch diversion to mouth (Gallatin River)	4C	6.26	MILES	B-1	Р	F	F	Р	Low flow alterations	Irrigated Crop Production
ower Gallatin	MT41H003_010	EAST GALLATIN RIVER, confluence of		7.3	MILES	B-1	Р	F	F	F	Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
		Rocky and Bear Creeks to Bridger Creek									Phosphorus (Total)	Municipal (Urbanized High Density Area)
												Residential Districts
												Yard Maintenance
Lower Gallatin	MT41H003_020	EAST GALLATIN RIVER, Bridger Creek	5	25.52	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		to Smith Creek									vegetative covers Excess Algal Growth	Irrigated Crop Production
											Low flow alterations	Municipal Point Source Discharges
											Nitrogen (Total)	Yard Maintenance
											Phosphorus (Total)	
											pH	

<b>HUC</b> 10020008	Gallatin	Watersl	hed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Gallatin	MT41H003_030	EAST GALLATIN RIVER, Smith Creek to mouth (Gallatin River)	5	13.54	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones  Municipal Point Source Discharges
											рН	
Lower Gallatin	MT41H003_040	SOURDOUGH CREEK, confluence of Limestone Creek and Bozeman Creek to the mouth (East Gallatin River), T2S R6E	5	4.88	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Channelization Grazing in Riparian or Shoreline Zones
		S6									Escherichia coli	Irrigated Crop Production
											Nitrogen (Total)	Loss of Riparian Habitat
											Phosphorus (Total)	Septage Disposal
											Sedimentation/Siltation	Yard Maintenance
Lower Gallatin	MT41H003_050	JACKSON CREEK, headwaters to mouth (Rocky Creek)	5	8.55	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Crop Production (Crop Land or Dry Land)
		(Noony Croon)									Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Sedimentation/Siltation	
Lower Gallatin	MT41H003_060	SMITH CREEK, confluence of Ross and Reese Creeks to mouth (East Gallatin River)	5	6.76	MILES	B-1	Р	F	Х	N	Alteration in stream-side or littoral vegetative covers Escherichia coli	Agriculture
											Nitrates	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Lower Gallatin	MT41H003_070	REESE CREEK, headwaters to mouth (Smith Creek)	5	8.28	MILES	B-1	Р	F	F	N	Escherichia coli	Agriculture
		(Silliul Cleek)									Nitrates	
											Solids (Suspended/Bedload)	
Lower Gallatin	MT41H003_080	ROCKY CREEK, confluence of Jackson	5	7.94	MILES	B-1	Р	F	Х	F	Alteration in stream-side or littoral	Agriculture
		and Timberline Creeks to mouth (East Gallatin River)									vegetative covers Other anthropogenic substrate alterations	Channelization
											Physical substrate habitat alterations	Highways, Roads, Bridges, Infrasturcture (New
											Sedimentation/Siltation	Construction)
Lower Gallatin	MT41H003_081	BEAR CREEK, headwaters to mouth (Rocky Creek)	5	10.15	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10020008	Gallatin	Waters	shed	Upper	Missour	i Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Gallatin	MT41H003_081	BEAR CREEK, headwaters to mouth	5	10.15	MILES	B-1	Р	F	F	Р	Excess Algal Growth	Unspecified Unpaved Road or Trail
		(Rocky Creek)									Phosphorus (Total)	
											Sedimentation/Siltation	
											Solids (Suspended/Bedload)	
Lower Gallatin	MT41H003_090	THOMPSON CREEK (Thompson Spring), headwaters to mouth (East Gallatin River)	5	7.42	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	
											Sedimentation/Siltation	
Lower Gallatin	MT41H003_100	DRY CREEK, headwaters to mouth (East	t 5	20.09	MILES	B-1	Р	F	F	N	Alteration in stream-side or littoral	Agriculture
		Gallatin River)									vegetative covers Cause Unknown	Channelization
											Nitrogen (Total)	Source Unknown
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Lower Gallatin	MT41H003_110	BRIDGER CREEK, headwaters to mouth (East Gallatin River)	5	21.46	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Grazing in Riparian or Shoreline Zones
		(East Gallatill River)									Nitrogen (Total)	Impacts from Resort Areas (Winter and Non-winter Resorts)
											Phosphorus (Total)	Unspecified Unpaved Road or Trail
Lower Gallatin	MT41H003_120	STONE CREEK, headwaters to mouth	5	6.06	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Bridger Creek)									vegetative covers Sedimentation/Siltation	Silviculture Harvesting
Lower Gallatin	MT41H003_129	HYALITE CREEK, headwaters to the top	5	7.04	MILES	A-1	Р	F	F	Р	Nitrogen (Total)	Rangeland Grazing
		of Hyalite Reservoir, T4S R6E S23									Phosphorus (Total)	Silviculture Harvesting
												Unspecified Unpaved Road or Trail
Lower Gallatin	MT41H003_130	HYALITE CREEK, Hyalite Reservoir to	5	8.76	MILES	A-1	Р	F	F	Р	Nitrogen (Total)	Rangeland Grazing
		the Bozeman water supply diversion ditch, T3S R5E S23									Phosphorus (Total)	Silviculture Harvesting
												Unspecified Unpaved Road or Trail
Lower Gallatin	MT41H003_132	HYALITE CREEK, Bozeman water supply intake to the mouth (East Gallatin	4C	20.99	MILES	B-1	х	х	х	Р	Low flow alterations	Irrigated Crop Production

<b>HUC</b> 10020008	Gallatin	Waters	hed	Upper	Missouri	Tribs.						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Jpper Gallatin	MT41H005_010	STORM CASTLE CREEK, headwaters to the mouth (Gallatin River), T4S R4E S33	5	14.19	MILES	B-1	Р	F	х	F	Phosphorus (Total)	Forest Roads (Road Construction and Use)
		the mount (Sanatin Niver), 140 N42 866									Physical substrate habitat alterations	Natural Sources
												Silviculture Activities
Jpper Gallatin	MT41H005_020	TAYLOR FORK, Lee Metcalf Wilderness boundary to mouth (Gallatin River)	5	13.98	MILES	B-1	Р	Χ	Х	F	Physical substrate habitat alterations	Silviculture Activities
		, , , , , , , , , , , , , , , , , , , ,									Sedimentation/Siltation	Site Clearance (Land Development or Redevelopment)
											Solids (Suspended/Bedload)	
Jpper Gallatin	MT41H005_030	CACHE CREEK, headwaters to mouth (Taylor Fork)	5	4.66	MILES	B-1	Р	F	Х	F	Alteration in stream-side or littoral vegetative covers	Agriculture
		(12)1011 2111									Physical substrate habitat alterations	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Silviculture Activities
											Solids (Suspended/Bedload)	
Jpper Gallatin	MT41H005_040	WEST FORK GALLATIN RIVER, confluence Middle and North Forks to	5	3.87	MILES	B-1	Р	F	F	N	Chlorophyll-a	On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
		mouth (Gallatin River)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Activities
											Nitrogen (Total)	Site Clearance (Land Development or Redevelopment)
											Phosphorus (Total)  Sedimentation/Siltation	
											Sedimentation/Silitation	
Jpper Gallatin	MT41H005_050	MIDDLE FORK WEST FORK GALLATIN RIVER, headwaters to mouth (West Fork	4A	6.23	MILES	B-1	Р	F	F	N	Alteration in stream-side or littoral vegetative covers	Animal Feeding Operations (NPS)
		Gallatin River)									Escherichia coli	Highway/Road/Bridge Runoff (Non-construction Related)
											Fecal Coliform  Nitrate/Nitrite (Nitrite + Nitrate as N)	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Solids (Suspended/Bedload)	On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
											Condo (Casponaca Zoalcaa)	Unspecified Urban Stormwater  Wastes from Pets
												Waterfowl
	NT 441 loop ooo	0011711 5001/14/507 5001/10/14 47/14	_			5.4		_	_	_	An or a contract to	
Jpper Gallatin	MT41H005_060	SOUTH FORK WEST FORK GALLATIN RIVER, headwaters to mouth (West Fork	5	14.57	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)  On-site Treatment Systems (Septic Systems and
		Gallatin River)									Chlorophyll-a  Nitrate/Nitrite (Nitrite + Nitrate as N)	Similar Decencentralized Systems)  Silviculture Activities
											Phosphorus (Total)	Silviculture Activities  Site Clearance (Land Development or
												Redevelopment)

#### **Appendix A: Impaired Waters** Upper Missouri Tribs. **HUC** 10020008 Gallatin Watershed Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class MT41H005\_060 SOUTH FORK WEST FORK GALLATIN 5 14.57 MILES P F F P Upper Gallatin B-1 Physical substrate habitat alterations RIVER, headwaters to mouth (West Fork Sedimentation/Siltation Gallatin River)



# Missouri-Sun-Smith Sub-Major Basin

#### Missouri River Basin

USGS HUC	HUC NAME
10030101	Upper Missouri River
10030102	Upper Missouri-Dearborn
	Rivers
10030103	Smith River
10030104	Sun River
10030105	Belt Creek



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<b>HUC</b> 10030101	Upper Missouri	Water	shed	Missou	uri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Missouri River	MT41I001_011	MISSOURI RIVER, headwaters to	5	21.95	MILES	B-1	Р	F	N	F	Arsenic	Grazing in Riparian or Shoreline Zones
		Toston Dam									Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Municipal Point Source Discharges
											Sedimentation/Siltation	Natural Sources
												Non-irrigated Crop Production
Missouri River	MT41I001_012	MISSOURI RIVER, Toston Dam to Canyon Ferry Reservoir	5	22.6	MILES	B-1	Р	F	N	F	Alteration in stream-side or littoral vegetative covers	Agriculture
		Carryon i erry Neservon									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
											Copper	Irrigated Crop Production
											Lead	
											Low flow alterations	
											Sedimentation/Siltation	
Canyon Ferry	MT41I002_010	AVALANCHE CREEK, headwaters to	4C	16.71	MILES	B-1	Х	Х	Х	Р	Low flow alterations	Agriculture
		mouth (Canyon Ferry Reservoir)										Irrigated Crop Production
Canyon Ferry	MT41I002_020	BATTLE CREEK, headwaters to mouth	5	22.76	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Sixteenmile Creek)									vegetative covers Low flow alterations	Irrigated Crop Production
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Temperature, water	
Canyon Ferry	MT41I002_030	BEAVER CREEK, headwaters to mouth	5	14.74	MILES	B-1	N	F	N	Р	Cadmium	Agriculture
		(Canyon Ferry Reservoir)									Chromium (total)	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Irrigated Crop Production
											Low flow alterations	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Phosphorus (Total)	
											Silver	
											Zinc	
Canyon Ferry	MT41I002_041	CONFEDERATE GULCH, headwaters to	0 5	10.04	MILES	B-1	N	F	Х	Р	Alteration in stream-side or littoral	Agriculture

<b>HUC</b> 10030101	Upper Missouri	Water	shed	Missou	uri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Missouri River	MT41I001_011	MISSOURI RIVER, headwaters to	5	21.95	MILES	B-1	Р	F	N	F	Arsenic	Grazing in Riparian or Shoreline Zones
		Toston Dam									Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Municipal Point Source Discharges
											Sedimentation/Siltation	Natural Sources
												Non-irrigated Crop Production
Missouri River	MT41I001_012	MISSOURI RIVER, Toston Dam to Canyon Ferry Reservoir	5	22.6	MILES	B-1	Р	F	N	F	Alteration in stream-side or littoral vegetative covers	Agriculture
		Carryon i erry Neservon									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
											Copper	Irrigated Crop Production
											Lead	
											Low flow alterations	
											Sedimentation/Siltation	
Canyon Ferry	MT41I002_010	AVALANCHE CREEK, headwaters to	4C	16.71	MILES	B-1	Х	Х	Х	Р	Low flow alterations	Agriculture
		mouth (Canyon Ferry Reservoir)										Irrigated Crop Production
Canyon Ferry	MT41I002_020	BATTLE CREEK, headwaters to mouth	5	22.76	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Sixteenmile Creek)									vegetative covers Low flow alterations	Irrigated Crop Production
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Temperature, water	
Canyon Ferry	MT41I002_030	BEAVER CREEK, headwaters to mouth	5	14.74	MILES	B-1	N	F	N	Р	Cadmium	Agriculture
		(Canyon Ferry Reservoir)									Chromium (total)	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Irrigated Crop Production
											Low flow alterations	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Phosphorus (Total)	
											Silver	
											Zinc	
Canyon Ferry	MT41I002_041	CONFEDERATE GULCH, headwaters to	0 5	10.04	MILES	B-1	N	F	Х	Р	Alteration in stream-side or littoral	Agriculture

<b>HUC</b> 10030101	Upper Missouri	Waters	shed	Missou	ıri-Sun-S	mith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Canyon Ferry	MT41I002_041	CONFEDERATE GULCH, headwaters to	5	10.04	MILES	B-1	N	F	Х	Р	vegetative covers	Channelization
		Hunter Gulch									Cadmium	Dredge Mining
											Nitrates	Highway/Road/Bridge Runoff (Non-construction
											Other flow regime alterations	Related) Highways, Roads, Bridges, Infrasturcture (New
											Physical substrate habitat alterations	Construction) Impacts from Abandoned Mine Lands (Inactive)
												Placer Mining
Canyon Ferry	MT41I002_042	CONFEDERATE GULCH, Hunter Gulch	5	5.21	MILES	B-1	N	X	Х	N	Low flow alterations	Agriculture
		to mouth (Canyon Ferry Reservoir)									Nitrates	Dredge Mining
											Phosphorus (Total)	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	Irrigated Crop Production
Canyon Ferry	MT41I002_050	CROW CREEK, National Forest	5	15.89	MILES	B-1	N	N	F	N	Alteration in stream-side or littoral	Agriculture
		boundary to mouth (Missouri River)									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	Habitat Modification - other than Hydromodification
											Phosphorus (Total)	Irrigated Crop Production
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Canyon Ferry	MT41I002_060	CROW CREEK, Crow Creek Falls to	5	10.15	MILES	B-1	Р	F	F	F	Copper	Channelization
		National Forest boundary									Lead	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	Placer Mining
Deep Creek	MT41I002_070	DEEP CREEK, National Forest Boundary	4A	20.35	MILES	B-1	Р	F	F	F	Low flow alterations	Flow Alterations from Water Diversions
		to mouth (Missouri River)									Sedimentation/Siltation	Loss of Riparian Habitat
												Streambank Modifications/destablization
Canyon Ferry	MT41I002_080	DRY CREEK, headwaters to mouth	5	21.56	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		(Missouri River)									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	Irrigated Crop Production
											Sedimentation/Siltation	

<b>HUC</b> 10030101	Upper Missouri	Water	shed	Missou	ıri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Canyon Ferry	MT41I002_080	DRY CREEK, headwaters to mouth (Missouri River)	5	21.56	MILES	B-1	Р	F	F	Р	Temperature, water	
Canyon Ferry	MT41I002_090	HELLGATE GULCH, headwaters to mouth (Canyon Ferry Reservoir)	5	11.6	MILES	B-1	N	F	N	Х	Alteration in stream-side or littoral vegetative covers	Agriculture
		moduli (Canyon Ferry Reservoir)									Mercury	Grazing in Riparian or Shoreline Zones
											Other anthropogenic substrate alterations	Highway/Road/Bridge Runoff (Non-construction Related)
											Physical substrate habitat alterations	Highways, Roads, Bridges, Infrasturcture (New Construction) Impacts from Abandoned Mine Lands (Inactive)
												Mine Tailings
												Natural Sources
												Other Recreational Pollution Sources
												Silviculture Activities
Canyon Ferry	MT41I002_100	INDIAN CREEK, headwaters to mouty	5	8.01	MILES	B-1	Х	N	N	Х	Arsenic	Acid Mine Drainage
		(Missouri River)									Cadmium	Dredge Mining
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Mercury	Mine Tailings
Canyon Ferry	MT41I002_110	MAGPIE CREEK, headwaters to mouth	5	12.76	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		(Canyon Ferry Reservoir)									vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
Canyon Ferry	MT41I002_120	SIXTEENMILE CREEK, Lost Creek to	5	49.61	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Channelization
		mouth (Missouri River)									vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Sedimentation/Siltation	
Canyon Ferry	MT41I002_130	WHITE GULCH, headwaters to mouth	5	13.26	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Canyon Ferry Reservoir)									vegetative covers Low flow alterations	Irrigated Crop Production
											Sedimentation/Siltation	Placer Mining
Canyon Ferry	MT41I002_140	WILSON CREEK, 3.3 miles upstream to mouth (Crow Creek)	5	3.3	MILES	B-1	х	Х	N	Х	Mercury	Impacts from Abandoned Mine Lands (Inactive)

<b>HUC</b> 10030101	Upper Missouri	Water	shed	Missou	ıri-Sun-S	mith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Canyon Ferry	MT41I002_150	CAVE GULCH, headwaters to mouth	5	6.42	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Channelization
		(Canyon Ferry Reservoir)									vegetative covers Nitrogen (Total)	Placer Mining
											Phosphorus (Total)	Source Unknown
											Sedimentation/Siltation	Unspecified Unpaved Road or Trail
Canyon Ferry	MT41I002_170	EAST FORK INDIAN CREEK, headwaters to mouth (Indian Creek)	5	5.87	MILES	B-1	Х	Х	N	Х	Arsenic	Acid Mine Drainage
		neadwaters to mouth (mulan Greek)									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
											Lead	
											Mercury	
Missouri River	MT41I003_010	CANYON FERRY RESERVOIR	5	32810	ACRES	B-1	F	Р	N	N	Ammonia (Un-ionized)	Acid Mine Drainage
											Arsenic	Agriculture
											Excess Algal Growth	Impacts from Abandoned Mine Lands (Inactive)
											Thallium	Internal Nutrient Recycling
												Municipal Point Source Discharges
												Natural Sources
												On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Site Clearance (Land Development or Redevelopment)
Missouri River	MT41I004_030	MISSOURI RIVER, Holter Dam to Little Prickly Pear Creek	5	2.84	MILES	B-1	Р	F	F	F	Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
		FILENTY FEAT CIEEK									Other flow regime alterations	Municipal Point Source Discharges
											Phosphorus (Total)	Natural Sources
											Sedimentation/Siltation	On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Upstream Impoundments (e.g., PI-566 NRCS Structures)
Holter	MT41I005_011	BEAVER CREEK, headwaters to confluence of Bridge Creek	5	13.8	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)
		confidence of bridge creek									Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	
											Sedimentation/Siltation	
Holter	MT41I005_012	BEAVER CREEK, Nelson to mouth (Missouri River below Hauser Dam)	5	5.51	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10030101	Upper Missouri	Water	shed	Missou	ıri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Holter	MT41I005_012	BEAVER CREEK, Nelson to mouth (Missouri River below Hauser Dam)	5	5.51	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Irrigated Crop Production
Canyon Ferry	MT41I005_020	TROUT CREEK, headwaters to mouth	5	20.52	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Hauser Lake)									vegetative covers Sedimentation/Siltation	Loss of Riparian Habitat
												Unspecified Unpaved Road or Trail
Holter	MT41I005_030	FALLS GULCH, headwaters to mouth (Holter Lake), T14N R3W S16	5	3.18	MILES	B-1	N	F	N	Х	Mercury	Impacts from Abandoned Mine Lands (Inactive)
Holter	MT41I005_040	VIRGINIA CREEK, headwaters to mouth (Canyon Creek)	5	8.25	MILES	B-1	Р	F	N	F	Copper	Impacts from Abandoned Mine Lands (Inactive)
		(Carryon Creek)									Lead	
											Zinc	
Holter	MT41I005_051	LITTLE PRICKLY PEAR CREEK, North	5	23.9	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Agriculture
		and South Forks to Clark Creek									vegetative covers Other flow regime alterations	Flow Alterations from Water Diversions
											Physical substrate habitat alterations	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
											Temperature, water	Loss of Riparian Habitat
												Silviculture Activities
Holter	MT41I005_052	LITTLE PRICKLY PEAR CREEK, Clark	5	10.23	MILES	B-1	N	F	F	F	Alteration in stream-side or littoral	Channelization
		Creek to mouth (Missouri River)									vegetative covers Other flow regime alterations	Flow Alterations from Water Diversions
											Physical substrate habitat alterations	Highways, Roads, Bridges, Infrasturcture (New
											Temperature, water	Construction) Loss of Riparian Habitat
Holter	MT41I005 060	FOOL HEN CREEK, headwaters to	5	1.78	MILES	B-1	N	N	N	Х	Cadmium	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Virgina Creek-Canyon Creek- Little Prickly Pear Creek)									Copper	Mill Tailings
		,,									Lead	Subsurface (Hardrock) Minining
											Mercury	•
											Silver	
											Zinc	
Holter	MT41I005_080	WOODSIDING GULCH, headwaters to mouth (Little Prickly Pear Creek), T13N R4W S33	5	2.19	MILES	B-1	Р	F	F	F	Phosphorus (Total)	Forest Roads (Road Construction and Use)

<b>HUC</b> 10030101	Upper Missouri	Waters	shed	Missou	ıri-Sun-S	mith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lake Helena	MT41I006_020	PRICKLY PEAR CREEK, Helena WWTP	5	4.15	MILES	I	N	F	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		Discharge Ditch to Lake Helena									vegetative covers Ammonia (Un-ionized)	Agriculture
											Arsenic	Contaminated Sediments
											Cadmium	Flow Alterations from Water Diversions
											Copper	Grazing in Riparian or Shoreline Zones
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Industrial Point Source Discharge
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Municipal Point Source Discharges
											Nitrogen (Total)	
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Temperature, water	
											Zinc	
Lake Helena	MT41I006_030	PRICKLY PEAR CREEK, Highway 433	5	6.54	MILES	1	N	Р	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
		(Wylie Dr.) Crossing to Helena WWTP Discharge									vegetative covers Ammonia (Un-ionized)	Contaminated Sediments
											Arsenic	Grazing in Riparian or Shoreline Zones
											Cadmium	Habitat Modification - other than Hydromodification
											Copper	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Industrial Point Source Discharge
											Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	On-site Treatment Systems (Septic Systems and
											Phosphorus (Total)	Similar Decencentralized Systems)
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Temperature, water	
											Zinc	
Lake Helena	MT41I006_040	PRICKLY PEAR CREEK, Lump Gulch to County Road Wylie Drive	5	10.84	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage

<b>HUC</b> 10030101	Upper Missouri	Waters	shed	Missou	ıri-Sun-S	mith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lake Helena	MT41I006_040	PRICKLY PEAR CREEK, Lump Gulch to	5	10.84	MILES	B-1	N	Р	N	F	Aluminum	Channelization
		County Road Wylie Drive									Antimony	Contaminated Sediments
											Arsenic	Highways, Roads, Bridges, Infrasturcture (New
											Cadmium	Construction) Impacts from Abandoned Mine Lands (Inactive)
											Copper	Industrial Point Source Discharge
											Lead	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Temperature, water	
											Zinc	
Lake Helena	MT41I006_050	PRICKLY PEAR CREEK, Spring Creek	5	7.05	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral	Acid Mine Drainage
		to Lump Gulch									vegetative covers Arsenic	Impacts from Abandoned Mine Lands (Inactive)
											Cadmium	Mine Tailings
											Copper	Placer Mining
											Lead	Streambank Modifications/destablization
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_060	PRICKLY PEAR CREEK, headwaters to	5	8.84	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral	Acid Mine Drainage
		Spring Creek									vegetative covers Cadmium	Highways, Roads, Bridges, Infrasturcture (New
											Lead	Construction) Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	Placer Mining
											Total Suspended Solids (TSS)	Streambank Modifications/destablization
Lake Helena	MT41I006_070	GOLCONDA CREEK, headwaters to	5	2.92	MILES	B-1	N	F	N	Х	Cadmium	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Prickly Pear Creek), T7N R3W S8									Copper	Mine Tailings
											Lead	Subsurface (Hardrock) Minining
											Zinc	

<b>HUC</b> 10	0030101	Upper Missouri	Waters	shed	Missou	ıri-Sun-S	mith						
TMDL Plann	ing Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lake Helena		MT41I006_080	SPRING CREEK, Corbin Creek to mouth	5	1.74	MILES	B-1	N	N	N	Р	Alteration in stream-side or littoral	Acid Mine Drainage
			(Prickly Pear Creek)									vegetative covers Aluminum	Channelization
												Arsenic	Contaminated Sediments
												Cadmium	Grazing in Riparian or Shoreline Zones
												Copper	Impacts from Abandoned Mine Lands (Inactive)
												Lead	Mine Tailings
												Low flow alterations	
												Mercury	
												Nitrogen (Total)	
												Phosphorus (Total)	
												Physical substrate habitat alterations	
												Silver	
												Total Suspended Solids (TSS)	
												Zinc	
Lake Helena		MT41I006_090		5	2.82	MILES	B-1	N	Р	N	N	Alteration in stream-side or littoral	Agriculture
			(Spring Creek)									vegetative covers Arsenic	Dam or Impoundment
												Cadmium	Mill Tailings
												Copper	Mine Tailings
												Lead	
												Silver	
												Solids (Suspended/Bedload)	
												Temperature, water	
												Zinc	
												рН	
Lake Helena		MT41I006_100	MIDDLE FORK WARM SPRINGS	5	2.82	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral	Impacts from Abandoned Mine Lands (Inactive)
			CREEK, headwaters to mouth (Warm Springs Creek-Prickly Pear Creek)									vegetative covers Arsenic	Mine Tailings
												Cadmium	Unspecified Unpaved Road or Trail
												Copper	

<b>HUC</b> 10030101	Upper Missouri	Water	shed	Missou	ıri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lake Helena	MT41I006_100	MIDDLE FORK WARM SPRINGS	5	2.82	MILES	B-1	N	F	N	F	Lead	
		CREEK, headwaters to mouth (Warm Springs Creek-Prickly Pear Creek)									Mercury	
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_110	WARM SPRINGS CREEK, the Middle	4A	4.17	MILES	B-1	Р	F	N	F	Arsenic	Grazing in Riparian or Shoreline Zones
		Fork to mouth (Prickly Pear Creek)									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Mine Tailings
											Sedimentation/Siltation	Unspecified Unpaved Road or Trail
											Zinc	
Lake Helena	MT41I006_120	CLANCY CREEK, headwaters to mouth	5	12.82	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral	Acid Mine Drainage
		(Prickly Pear Creek)									vegetative covers Arsenic	Animal Feeding Operations (NPS)
											Cadmium	Contaminated Sediments
											Copper	Grazing in Riparian or Shoreline Zones
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Mercury	Unspecified Unpaved Road or Trail
											Other anthropogenic substrate alterations	
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_130	LUMP GULCH, headwaters to mouth	5	14.68	MILES	B-1	N	F	N	Х	Cadmium	Acid Mine Drainage
		(Prickly Pear Creek)									Copper	Impacts from Abandoned Mine Lands (Inactive)
											Lead	
											Mercury	
											Total Suspended Solids (TSS)	
											Zinc	
Lake Helena	MT41I006_141	TENMILE CREEK, headwaters to confluence of Spring Creek	5	6.72	MILES	A-1	Р	F	N	F	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage
		. <del>-</del>									Arsenic	Forest Roads (Road Construction and Use)
											Cadmium	Highway/Road/Bridge Runoff (Non-construction Related)

<b>HUC</b> 10030101	Upper Missouri	Water	shed	Missou	ıri-Sun-S	mith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lake Helena	MT41I006_141	TENMILE CREEK, headwaters to	5	6.72	MILES	A-1	Р	F	N	F	Copper	Impacts from Abandoned Mine Lands (Inactive)
		confluence of Spring Creek									Lead	Mine Tailings
											Mercury	
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_142	TENMILE CREEK, Spring Creek to Helena Water Treatment Plant, Lat	4A	7.32	MILES	B-1	N	N	N	N	Arsenic	Acid Mine Drainage
		46.573 Long -112.214									Cadmium	Highway/Road/Bridge Runoff (Non-construction Related)
											Copper	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Impacts from Hydrostructure Flow
											Low flow alterations	Regulation/modification
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_143	TENMILE CREEK, Helena Water Treatment Plant to mouth (Prickly Pear	5	16.38	MILES	B-1	Р	F	N	Р	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage
		Creek)									Arsenic	Channelization
											Cadmium	Habitat Modification - other than Hydromodification
											Copper	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification
											Mercury	Irrigated Crop Production
											Nitrogen (Total)	Site Clearance (Land Development or Redevelopment)
											Nutrient/Eutrophication Biological Indicators Phosphorus (Total)	Redevelopmenty
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_150	SILVER CREEK, headwaters to T11N	5	22.1	MILES	B-1	N	F	N	Р	Arsenic	Agriculture
		R4W S30 / S31 to Lake Helena									DDE	Dredge Mining
											Low flow alterations	Irrigated Crop Production
												- •

<b>HUC</b> 10030101	Upper Missouri	Waters	shed	Missou	uri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lake Helena	MT41I006_150	SILVER CREEK, headwaters to T11N	5	22.1	MILES	B-1	N	F	N	Р	Mercury	Mill Tailings
		R4W S30 / S31 to Lake Helena									Other anthropogenic substrate alterations	Subsurface (Hardrock) Minining
Lake Helena	MT41I006_160	SEVENMILE CREEK, headwaters to	5	8.45	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Agriculture
		mouth (Tenmile Creek)									vegetative covers Arsenic	Channelization
											Copper	Grazing in Riparian or Shoreline Zones
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Streambank Modifications/destablization
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_180	NORTH FORK WARM SPRINGS CREEK, headwaters to mouth	5	2.7	MILES	B-1	Р	F	N	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		(Warmsprings Creek)									Arsenic	Natural Sources
											Cadmium	
											Organic Enrichment (Sewage) Biological Indicators Other anthropogenic substrate alterations	
											Sedimentation/Siltation	
											Zinc	
Lake Helena	MT41I006_190	JACKSON CREEK, headwaters to moutl (McClellan Creek-Prickly Pear Creek)	h 5	2.32	MILES	B-1	Р	F	F	F	Zinc	Impacts from Abandoned Mine Lands (Inactive)
Lake Helena	MT41I006_210	JENNIES FORK, headwaters to mouth	5	1.36	MILES	B-1	Р	F	N	F	Lead	Forest Roads (Road Construction and Use)
		(Silver Creek)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	Natural Sources
											Sedimentation/Siltation	Source Unknown
												Subsurface (Hardrock) Minining
Lake Helena	MT41I006_220	SKELLY GULCH, headwaters to mouth	5	7.81	MILES	B-1	Р	F	F	F	Arsenic	Impacts from Abandoned Mine Lands (Inactive)
		(Greenhorn Creek/Sevenmile Creek), T10N R5W S2									Sedimentation/Siltation	Unspecified Unpaved Road or Trail

<b>HUC</b> 10030101	Upper Missouri	Waters	shed	Missou	ıri-Sun-S	mith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lake Helena	MT41I006_230	GRANITE CREEK, headwaters to mouth	5	2.49	MILES	B-1	Х	Х	N	Х	Arsenic	Acid Mine Drainage
		(Sevenmile Creek)									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
Lake Helena	MT41I007_010	LAKE HELENA	4A	1600	ACRES	B-1	Р	F	N	Х	Arsenic	Acid Mine Drainage
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Nitrogen (Total)	Impacts from Hydrostructure Flow Regulation/modification
											Phosphorus (Total)	Irrigated Crop Production
												Municipal Point Source Discharges
												Natural Sources
												Rangeland Grazing
Missouri River	MT41I007_020	HOLTER LAKE Hauser Dam to Holter	5	4358	ACRES	B-1	F	Х	Х	Р	Mercury	Atmospheric Depositon - Toxics
		Lake Spillway										Historic Bottom Deposits (Not Sediment)
												Impacts from Abandoned Mine Lands (Inactive)
												Inappropriate Waste Disposal
												Placer Mining
												Source Unknown
Missouri River	MT41I007_040	HAUSER LAKE	5	3190	ACRES	B-1	Р	Х	N	F	Arsenic	Acid Mine Drainage
											DDT	Agriculture
											Endosulfan sulfate	Atmospheric Depositon - Toxics
											Endrin aldehyde	Contaminated Sediments
											Mercury	Dam Construction (Other than Upstream Flood Control Projects)
											Nitrogen, Nitrate	Grazing in Riparian or Shoreline Zones
											Oxygen, Dissolved	Highway/Road/Bridge Runoff (Non-construction Related)
											Phosphorus (Total)	Impacts from Abandoned Mine Lands (Inactive)
												Impacts from Hydrostructure Flow Regulation/modification Mine Tailings
												Municipal Point Source Discharges
												Natural Sources

Appendix A: In	ppendix A: Impaired Waters											
<b>HUC</b> 10030101	Upper Missouri		Watershed	Missou	ıri-Sun-S	mith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Catego	ry Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Missouri River	MT41I007_040	HAUSER LAKE	5	3190	ACRES	B-1	Р	х	N	F		On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Silviculture Activities
												Source Unknown

<b>HUC</b> 10030102	Upper Missouri	-Dearborn Water	rshed	Missou	uri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Missouri River	MT41Q001_011	MISSOURI RIVER, Sun River to	5	6.99	MILES	B-2	N	F	N	F	Chromium (total)	Contaminated Sediments
		Rainbow Dam									Mercury	Dam Construction (Other than Upstream Flood
											Physical substrate habitat alterations	Control Projects) Industrial Point Source Discharge
											Polychlorinated biphenyls	Industrial/Commercial Site Stormwater Discharge
											Sedimentation/Siltation	(Permitted) Irrigated Crop Production
											Selenium	
											Solids (Suspended/Bedload)	
											Turbidity	
Missouri River	MT41Q001_013	MISSOURI RIVER, Rainbow Dam to	5	9.12	MILES	B-3	N	F	N	F	Arsenic	Contaminated Sediments
		Morony Dam									Copper	Dam or Impoundment
											Polychlorinated biphenyls	Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation	Industrial Point Source Discharge
											Temperature, water	Natural Sources
											Turbidity	Post-development Erosion and Sedimentation
Missouri River	MT41Q001_014	MISSOURI RIVER, Morony Dam to	5	54.62	MILES	B-3	N	F	N	N	Aluminum	Agriculture
		Marias River									Arsenic	Dam or Impoundment
											Cadmium	Industrial Point Source Discharge
											Chlorophyll-a	Streambank Modifications/destablization
											Copper	
											Iron	
											Lead	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Zinc	
Missouri River	MT41Q001_021	MISSOURI RIVER, Little Prickly Pear	5	20.93	MILES	B-1	Р	F	N	F	Arsenic	Grazing in Riparian or Shoreline Zones
		Creek to Sheep Creek									Nitrogen (Total)	Impacts from Hydrostructure Flow Regulation/modification

<b>HUC</b> 10030102	Upper Missouri-Dearborn		shed	Missou	ıri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Missouri River	MT41Q001_021	MISSOURI RIVER, Little Prickly Pear	5	20.93	MILES	B-1	Р	F	N	F	Other flow regime alterations	Irrigated Crop Production
		Creek to Sheep Creek									Sedimentation/Siltation	Natural Sources
Missouri River	MT41Q001_022	MISSOURI RIVER, Sheep Creek to Sun River	5	65.3	MILES	B-1	P	F	F	F	Sedimentation/Siltation	Agriculture  Dam Construction (Other than Upstream Flood Control Projects) Highway/Road/Bridge Runoff (Non-construction Related) Impacts from Hydrostructure Flow Regulation/modification Natural Sources  Streambank Modifications/destablization
Benton Lake	MT41Q002_010	LAKE CREEK, headwaters to mouth (Benton Lake)	5	19.03	MILES	B-3	N	N	N	Р	Cadmium Other flow regime alterations Salinity Sedimentation/Siltation Selenium Zinc	Agriculture Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
Missouri Cascade	MT41Q002_020	COTTONWOOD CREEK, 1 mile above Stockett to mouth (Sand Coulee Creek- Missouri River)	4A	4.32	MILES	B-1	N	F	N	X	Aluminum Cadmium Iron Nickel Zinc	Acid Mine Drainage Subsurface (Hardrock) Minining
Missouri Cascade	MT41Q002_030	NUMBER FIVE COULEE, headwaters to mouth (Cottonwood Creek)	5	13.68	MILES	B-1	N	F	N	X	Aluminum Cadmium Iron Lead Nickel Zinc	Acid Mine Drainage Impacts from Abandoned Mine Lands (Inactive) Subsurface (Hardrock) Minining
Missouri Cascade	MT41Q002_040	SAND COULEE CREEK, confluence wit Cottonwood Creek to the mouth (Missouri River)	h 5	18.63	MILES	B-1	N	Р	Ν	х	Lead	Agriculture

HUC	10030102	Upper Missouri-	-Dearborn Water	shed	Missou	ıri-Sun-S	mith						
TMDL Pla	anning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Missouri C	Cascade	MT41Q002_040	SAND COULEE CREEK, confluence with	h 5	18.63	MILES	B-1	N	Р	N	х	Salinity	Impacts from Abandoned Mine Lands (Inactive)
			Cottonwood Creek to the mouth (Missouri River)									Zinc	Subsurface (Hardrock) Minining
Missouri C	Choteau	MT41Q002_050	BOX ELDER CREEK, Spring Creek to mouth (Missouri River)	5	17.47	MILES	B-3	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
			moun (wissoun River)									Sedimentation/Siltation	
Missouri C	Cascade	MT41Q002_060	SAND COULEE, headwaters to mouth (Sand Coulee Creek)	4A	5.94	MILES	B-1	N	Р	N	Х	Aluminum	Acid Mine Drainage
			(Sand Coulee Creek)									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
												Copper	Subsurface (Hardrock) Minining
												Iron	
												Nickel	
												Salinity	
												Zinc	
Dearborn		MT41Q003_010	DEARBORN RIVER, Falls Creek to mouth (Missouri River)	5	48.26	MILES	B-1	N	F	F	Р	Temperature, water	Impacts from Hydrostructure Flow Regulation/modification
Dearborn		MT41Q003_020	MIDDLE FORK DEARBORN RIVER, headwaters to mouth (Dearborn River)	4A	14.51	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
			nodanatore te modan (Boarson 11170)										Habitat Modification - other than Hydromodification
Dearborn		MT41Q003_030	SOUTH FORK DEARBORN RIVER, headwaters to mouth (Dearborn River)	4A	16.14	MILES	B-1	Р	F	х	F	Low flow alterations	Flow Alterations from Water Diversions
			neadwaters to modiff (Dearboth River)									Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
													Habitat Modification - other than Hydromodification
Dearborn		MT41Q003_040	FLAT CREEK, Henry Creek to mouth	4A	15.92	MILES	B-1	Р	F	Х	F	High Flow Regime	Flow Alterations from Water Diversions
			(Dearborn River)									Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
													Habitat Modification - other than Hydromodification
Benton La	ake	MT41Q005_020	BENTON LAKE	5	5600	ACRES	B-3	N	Р	N	Р	Excess Algal Growth	Agriculture
												Nitrogen (Total)	Irrigated Crop Production
												Salinity	
												Selenium	
												Sulfates	

<b>HUC</b> 10030103	Smith	Waters	shed	Missou	ıri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Smith	MT41J001_010	SMITH RIVER, North and South Forks to	5	98.1	MILES	B-1	Р	F	F	Р	Escherichia coli	Agriculture
		Hound Creek									Low flow alterations	Irrigated Crop Production
											Phosphorus (Total)	Rangeland Grazing
Smith	MT41J001_020	SMITH RIVER, Hound Creek to mouth (Missouri River)	5	24.14	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
		(IVIISSOUII RIVEI)									Low flow alterations	Grazing in Riparian or Shoreline Zones
											Other anthropogenic substrate alterations	Irrigated Crop Production
											Phosphorus (Total)	Rangeland Grazing
											Physical substrate habitat alterations	
											Temperature, water	
Smith	MT41J002_011	NORTH FORK SMITH RIVER, Lake	5	23	MILES	B-1	F	Χ	F	N	Chlorophyll-a	Source Unknown
		Sutherlin to mouth (Smith River), T9N R6E S21									Escherichia coli	
											Nitrogen (Total)	
											Phosphorus (Total)	
Smith	MT41J002_020	HOUND CREEK, Spring Creek to mouth (Smith River)	5	6.71	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	
Smith	MT41J002_030	SHEEP CREEK, headwaters to mouth	5	41.31	MILES	B-1	N	F	F	N	Aluminum	Impacts from Abandoned Mine Lands (Inactive)
		(Smith River)									Escherichia coli	Natural Sources
											Iron	Sand/gravel/rock Mining or Quarries
												Source Unknown
Smith	MT41J002_040	BEAVER CREEK, headwaters to mouth (Smith River)	5	20.58	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
Smith	MT41J002_050	BENTON GULCH, headwaters to mouth (Smith River)	5	13.41	MILES	B-1	Х	Х	Х	N	Escherichia coli	Source Unknown

HUC	10030103	Smith	Water	shed	Missou	ri-Sun-S	mith						
TMDL PI	lanning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Smith		MT41J002_060	ELK CREEK, headwaters to mouth	5	10.41	MILES	B-1	Р	F	F	F	Low flow alterations	Irrigated Crop Production
			(Camas Creek)									Nitrogen (Total)	Livestock (Grazing or Feeding Operations)
												Phosphorus (Total)	
												Sedimentation/Siltation	
												Temperature, water	
Smith		MT41J002_070	THOMPSON GULCH, headwaters to mouth (Smith River)	5	10.81	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
												Sedimentation/Siltation	
Smith		MT41J002_081	NEWLAN CREEK, Newlan Reservoir to	5	9.01	MILES	B-1	Р	F	F	N	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
			mouth (Smith River)									vegetative covers Escherichia coli	Irrigated Crop Production
												Low flow alterations	
												Sedimentation/Siltation	
												Temperature, water	
Smith		MT41J002_082	NEWLAN CREEK, headwaters to	5	13.3	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
			Newlan Reservoir									vegetative covers Cadmium	Impacts from Abandoned Mine Lands (Inactive)
												Nitrogen (Total)	Transfer of Water from an Outside Watershed
												Phosphorus (Total)	
												Sedimentation/Siltation	
												Solids (Suspended/Bedload)	
Smith		MT41J002_100	LITTLE CAMAS CREEK, headwaters to	5	3.82	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Rangeland Grazing
			mouth (Camas Creek)									Nitrogen (Total)	
												Temperature, water	
Smith		MT41J002_110	CAMAS CREEK, junction of Big and Little Camas Creeks to mouth (Smith River)	5	14.28	MILES	B-1	Х	Х	Х	N	Escherichia coli	Source Unknown
Smith		MT41J002_120	MOOSE CREEK, headwaters to mouth (Sheep Creek)	5	11.63	MILES	B-1	Р	F	F	F	Nitrogen (Total)	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10030104	Sun	Water	shed	Missou	uri-Sun-S	Smith						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Sun	MT41K001_010	SUN RIVER, Gibson Dam to Muddy Creek	4A	83.01	MILES	B-1	N	F	F	F	Alteration in stream-side or littoral vegetative covers	Agriculture
											Other flow regime alterations	Channelization
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
											Temperature, water	Impacts from Hydrostructure Flow Regulation/modification
Sun	MT41K001_020	SUN RIVER, Muddy Creek to mouth (Missouri River)	4A	17.3	MILES	B-3	Ν	Р	F	Р	Nitrogen (Total)	Agriculture
		(MISSOUII RIVEL)									Other flow regime alterations	Channelization
											Phosphorus (Total)	Irrigated Crop Production
											Sedimentation/Siltation	Rangeland Grazing
											Total Suspended Solids (TSS)	
Sun	MT41K002_010	MUDDY CREEK, headwaters to mouth	4A	35.84	MILES	1	N	Р	Р	N	Nitrogen (Total)	Agriculture
		(Sun River)									Phosphorus (Total)	Channel Erosion/Incision from Upstream
											Salinity	Hydromodifications Habitat Modification - other than Hydromodification
											Sedimentation/Siltation	Streambank Modifications/destablization
											Selenium	
											Sulfates	
											Temperature, water	
											Total Dissolved Solids	
Sun	MT41K002_020	FORD CREEK, from mouth 2 miles upstream (Smith Creek-Elk Creek-Sun River)	4A	2.48	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Other anthropogenic substrate alterations	Channel Erosion/Incision from Upstream Hydromodifications Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Streambank Modifications/destablization
Sun	MT41K002_040	HUBER COULEE, headwaters to mouth (Sun River Valley Ditch)	5	3.6	MILES	B-1	х	Х	Х	N	Escherichia coli	Leaking Underground Storage Tanks  Manure Runoff
												ivianure kunott

HUC	10030105	Belt	Waters	shed	Missou	ıri-Sun-S	mith						
TMDL Pla	nning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	. AG	DW	Rec	Cause Name	Source Name
Belt		MT41U001_011	BELT CREEK, headwaters to Big Otter Creek	5	50.77	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral vegetative covers Arsenic	Acid Mine Drainage Channelization
													Grazing in Riparian or Shoreline Zones
												Cadmium Chromium (total)	Highways, Roads, Bridges, Infrasturcture (New
												Copper	Construction) Impacts from Abandoned Mine Lands (Inactive)
												Lead	impacts from Abandoned wife Lands (mactive)
												Salinity	
												Sedimentation/Siltation	
												Zinc	
Belt		MT41U001_012	BELT CREEK, Big Otter Creek to mouth (Missouri River)	5	39.44	MILES	B-2	N	Р	N	Р	Alteration in stream-side or littoral vegetative covers	Acid Mine Drainage
												Arsenic	Channelization
												Cadmium	Grazing in Riparian or Shoreline Zones
												Chromium (total)	Highways, Roads, Bridges, Infrasturcture (New Construction)
												Copper	Impacts from Abandoned Mine Lands (Inactive)
												Iron	
												Lead	
												Other anthropogenic substrate alterations	
												Salinity	
												Sedimentation/Siltation	
												Zinc	
Belt		MT41U002_010	CARPENTER CREEK, headwaters to mouth (Belt Creek)	5	6.05	MILES	B-1	N	Х	Ν	Х	Arsenic	Acid Mine Drainage
			mouth (Beit Creek)									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
												Copper	Mine Tailings
												Iron	
												Lead	
												Mercury	
												Silver	
												Zinc	

<b>HUC</b> 1003010	05 Belt	Water	shed	Missou	uri-Sun-S	Smith						
TMDL Planning Are	a ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Belt	MT41U002_020	GALENA CREEK, headwaters to mouth (Dry Fork Belt Creek)	5	3.47	MILES	B-1	N	N	N	N	Antimony	Acid Mine Drainage
		(DIY FOIR Bell Cleek)									Arsenic	Impacts from Abandoned Mine Lands (Inactive)
											Cadmium	Mine Tailings
											Copper	
											Iron	
											Lead	
											Zinc	
Belt	MT41U002_030	DRY FORK BELT CREEK, headwaters	5	18.88	MILES	B-1	N	N	N	Р	Arsenic	Acid Mine Drainage
		to mouth (Belt Creek)									Cadmium	Contaminated Sediments
											Copper	Highway/Road/Bridge Runoff (Non-construction
											Iron	Related) Mine Tailings
											Lead	Post-development Erosion and Sedimentation
											Sedimentation/Siltation	
											Zinc	
Belt	MT41U002_040	LITTLE BELT CREEK, three miles	5	3.24	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		upstream to mouth (Belt Creek)									vegetative covers Chlorophyll-a	Irrigated Crop Production
											Low flow alterations	Loss of Riparian Habitat
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
Belt	MT41U002_050	BIG OTTER CREEK, headwaters to	5	33.49	MILES	B-1	Р	х	Х	F	Alteration in stream-side or littoral	Channelization
		mouth (Belt Creek)									vegetative covers Nitrates	Grazing in Riparian or Shoreline Zones
											Physical substrate habitat alterations	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Sedimentation/Siltation	•

# Cut Bank Creek Willow Creek Two Medicine River Marias River Teton River

# Marias Sub-Major Basin

#### Missouri River Basin

USGS HUC	HUC NAME
10030201	Two Medicine River
10030202	Cut Bank Creek
10030203	Marias River
10030204	Willow Creek
10030205	Teton River



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<b>HUC</b> 10030201	Two Medicine	Waters	shed	Marias								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Cut Bank - Two Medicine	MT41M002_080	BIRCH CREEK, Blacktail Creek to mouth (Two Medicine River)	n 5	37.2	MILES	B-1	Р	F	F	Р	Low flow alterations  Nitrate/Nitrite (Nitrite + Nitrate as N)	Irrigated Crop Production
Cut Bank - Two Medicine	MT41M002_100	SOUTH FORK DUPUYER CREEK, Bob Marshall Wilderness boundary to mouth (Dupuyer Creek)	4C	7.36	MILES	B-1	N	F	F	F	Cause Unknown	Source Unknown
Cut Bank - Two Medicine	MT41M002_110	DUPUYER CREEK, confluence of South	5	39.28	MILES	B-1	N	F	F	Р	Low flow alterations	Agriculture
		Fork Dupuyer Creek and Middle Fork Dupuyer Creek to the mouth (Birch									Nitrate/Nitrite (Nitrite + Nitrate as N)	Crop Production (Crop Land or Dry Land)
		Creek)									Sedimentation/Siltation	Flow Alterations from Water Diversions
											Temperature, water	Irrigated Crop Production

<b>HUC</b> 10030202	Cut Bank	Water	shed	Marias								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Cut Bank - Two Medicine	MT41L001_010	OLD MAIDS COULEE, headwaters to	5	17.6	MILES	B-1	N	N	F	N	Ammonia (Total)	Crop Production (Crop Land or Dry Land)
		mouth (Cutbank Creek)									Chloride	Municipal Point Source Discharges
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Phosphorus (Total)	
											Specific Conductance	
											Total Dissolved Solids	
Cut Bank - Two Medicine	MT41L001_040	CUT BANK CREEK, Blackfeet	5	21.07	MILES	B-2	N	F	F	N	Low flow alterations	Flow Alterations from Water Diversions
		Reservation boundary to mouth (Marias River)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Irrigated Crop Production
											Temperature, water	Municipal Point Source Discharges
												Non-irrigated Crop Production

<b>HUC</b> 10030203	Marias	Water	shed	Marias								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Marias - Willow	MT41P002_030	PONDERA COULEE, headwaters to mouth (Marias River)	5	135.95	MILES	B-2	Р	Х	x	Х	Alteration in stream-side or littoral vegetative covers Physical substrate habitat alterations	Agriculture
											Salinity	
Marias - Willow	MT41P002_050	CORRAL CREEK, headwaters to mouth (Cottonwood Creek)	5	22.98	MILES	B-2	Р	х	Х	X	Phosphorus (Total)	Agriculture

<b>HUC</b> 10030204	Willow	Water	rshed	Marias								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Marias - Willow	MT41P004_020	EAGLE CREEK, headwaters to mouth (Tiber Reservoir)	5	52.65	MILES	B-2	Р	Х	x	Х	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Agriculture Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	
											Physical substrate habitat alterations	
Marias - Willow	MT41P005_010	OILMONT WETLAND, T35N R1W S31	5	9	ACRES	B-2	Р	Х	N	X	Alteration in stream-side or littoral vegetative covers Arsenic	Highways, Roads, Bridges, Infrasturcture (New Construction) Petroleum/natural Gas Activities
											Other flow regime alterations	

HUC	10030205	Teton	Waters	shed	Marias								
TMDL PI	anning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Sun		MT41K004_030	FREEZEOUT LAKE	5	3500	ACRES	B-1	Р	Р	N	Р	Aquatic Plants - Native	Agriculture
												Phosphorus (Total)	Irrigated Crop Production
												Selenium	Source Unknown
												Sulfates	
												Total Dissolved Solids	
Teton		MT41O001_010	TETON RIVER, Muddy Creek to mouth (Marias River)	4A	121.42	MILES	B-3	Р	F	F	F	Low flow alterations	Agriculture
			(ividitas itivei)									Salinity	Channelization
												Sedimentation/Siltation	Flow Alterations from Water Diversions
												Sulfates	Highways, Roads, Bridges, Infrasturcture (New
												Total Dissolved Solids	Construction) Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
													Streambank Modifications/destablization
Teton		MT41O001_020	TETON RIVER, Deep Creek to Muddy	4A	43.92	MILES	B-2	Р	Р	F	F	Alteration in stream-side or littoral	Agriculture
			Creek									vegetative covers  Low flow alterations	Channelization
												Salinity	Crop Production (Crop Land or Dry Land)
												Sulfates	Flow Alterations from Water Diversions
												Temperature, water	Grazing in Riparian or Shoreline Zones
												Total Dissolved Solids	Impacts from Hydrostructure Flow
												Total Suspended Solids (TSS)	Regulation/modification  Municipal Point Source Discharges
													Streambank Modifications/destablization
Teton		MT41O001_030	TETON RIVER, North and South Forks	4C	31.56	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Channelization
			to Deep Creek									vegetative covers  Low flow alterations	Flow Alterations from Water Diversions
													Impacts from Hydrostructure Flow Regulation/modification Streambank Modifications/destablization
Teton		MT41O002_010	WILLOW CREEK, headwaters to mouth	4A	21.81	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Agriculture
			(Deep Creek)									vegetative covers Alterations in wetland habitats	Streambank Modifications/destablization
												Sedimentation/Siltation	

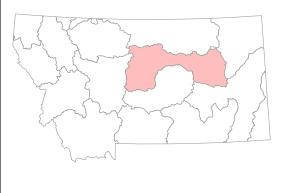
<b>HUC</b> 10030205	Teton	Waters	shed	Marias								
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Teton	MT41O002_020	DEEP CREEK, Willow Creek to mouth (Teton River)	4A	9.57	MILES	B-1	Р	F	Р	Р	Alteration in stream-side or littoral vegetative covers Alterations in wetland habitats	Agriculture Flow Alterations from Water Diversions
											Low flow alterations  Nitrogen (Total)	Impacts from Hydrostructure Flow Regulation/modification Loss of Riparian Habitat
											Phosphorus (Total)	Streambank Modifications/destablization
											Sedimentation/Siltation	
Teton	MT41O002_042	BLACKLEAF CREEK, Cow Creek to mouth (Muddy Creek)	4C	24.27	MILES	B-2	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Other flow regime alterations	Highways, Roads, Bridges, Infrasturcture (New Construction) Loss of Riparian Habitat
Teton	MT41O002_060	TETON SPRING CREEK, the city of Choteau to mouth (Teton River)	4A	4.92	MILES	B-1	Р	F	Р	Р	Alteration in stream-side or littoral vegetative covers Alterations in wetland habitats Nitrogen (Total)	Channelization Impacts from Hydrostructure Flow Regulation/modification Loss of Riparian Habitat
											Sedimentation/Siltation	Septage Disposal
												Source Unknown
												Streambank Modifications/destablization
Teton	MT41O002_070	TETON SPRING CREEK, headwaters to city of Choteau	4A	9.67	MILES	B-1	Р	F	Р	Р	Alteration in stream-side or littoral vegetative covers	Flow Alterations from Water Diversions
		only or choloda									Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification
											Sedimentation/Siltation	Loss of Riparian Habitat
											Temperature, water	
Teton	MT41O004_020	PRIEST BUTTE LAKE	4A	300	ACRES	B-2	N	N	N	Р	Salinity	Agriculture
											Selenium	Impacts from Hydrostructure Flow
											Sulfates	Regulation/modification Irrigated Crop Production
											Total Dissolved Solids	

# LISGS HUC Bullwhacker-Dog Creeks Fort Peck Reservoir Arrow Creek Big Dry Creek Judith River Little Dry Creek

## Middle Missouri Sub-Major Basin

Missouri River Basin

USGS HUC	HUC NAME
10040101 10040102 10040103 10040104 10040105 10040106	Bullwhacker-Dog Creeks Arrow Creek Judith River Fort Peck Reservoir Big Dry Creek Little Dry Creek
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<b>HUC</b> 10040101	Bullwhacker-Do	og Water	shed	Middle	Missour	i							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name	
Missouri River	MT41T001_010	MISSOURI RIVER, the Marias River to Bullwhacker Creek	5	102.05	MILES	B-3	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Copper	Agriculture Grazing in Riparian or Shoreline Zones	
											Lead	Source Unknown	
											Physical substrate habitat alterations		
Bullwhacker - Dog MT41T002_020			5	26.03	MILES	C-3	C-3 N	N			F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
		(Missouri River)									Sedimentation/Siltation		

<b>HUC</b> 10040102	Arrow	Water									
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL AG	i DW	Rec	Cause Name	Source Name
Judith - Arrow	MT41R001_010	COFFEE CREEK, headwaters to mouth (Arrow Creek)	5	40.98	MILES	C-3	N		F	Nitrate/Nitrite (Nitrite + Nitrate as N) Selenium Total Dissolved Solids	Animal Feeding Operations (NPS)  Crop Production (Crop Land or Dry Land)  Natural Sources
Judith - Arrow	MT41R001_020	ARROW CREEK, Surprise Creek to mouth (Missouri River)	5	69.7	MILES	C-3	Р		F	Iron	Natural Sources

HUC 10040103	Judith	Waters	shed	Middle	Missour	İ						
FMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
udith - Arrow	MT41S001_010	JUDITH RIVER, Big Spring Creek to	4C	72.02	MILES	B-2	Р	F	F	х	Alteration in stream-side or littoral	Agriculture
		mouth (Missouri River)									vegetative covers Physical substrate habitat alterations	Grazing in Riparian or Shoreline Zones
												Loss of Riparian Habitat
												Rangeland Grazing
udith - Arrow	MT41S001_020	JUDITH RIVER, Ross Fork to Big Spring Creek	5	16.15	MILES	B-1	Р	F	Х	Р	Alteration in stream-side or littoral vegetative covers	Animal Feeding Operations (NPS)
		Cleek									Cause Unknown	Grazing in Riparian or Shoreline Zones
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Loss of Riparian Habitat
											Physical substrate habitat alterations	Natural Sources
											Sedimentation/Siltation	Source Unknown
udith - Arrow	MT41S002_010	DRY WOLF CREEK, headwaters to	5	34.55	MILES	C-3	Р			Х	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		mouth (Wolf Creek)									vegetative covers Nitrogen (Total)	Non-irrigated Crop Production
											Nitrogen, Nitrate	
											Phosphorus (Total)	
											Salinity	
udith - Arrow	MT41S002_020	WOLF CREEK, Dry Wolf Creek to mouth (Judith River)	5	45.29	MILES	C-3	N			F	Iron	Crop Production (Crop Land or Dry Land)
		(Juditi River)									Selenium	Crop Production with Subsurface Drainage
											Total Dissolved Solids	Natural Sources
												Source Unknown
udith - Arrow	MT41S002_030	WARM SPRING CREEK, 5 miles	5	10.74	MILES	C-3	Р	х	Х	Х	Alteration in stream-side or littoral	Agriculture
		upstream to mouth (Judith River)									vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Nitrogen, Nitrate	Streambank Modifications/destablization
											Other anthropogenic substrate alterations	
											Phosphorus (Total)	
											Sedimentation/Siltation	
udith - Arrow	MT41S002_050	SAGE CREEK, headwaters to mouth	5	70.08	MILES	C-3	Р			F	Iron	Animal Feeding Operations (NPS)
		(Judith River)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Natural Sources

HUC 10040103	Judith	Water	shed	Middle	Missour	i						
MDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
udith - Arrow	MT41S002_050	SAGE CREEK, headwaters to mouth (Judith River)	5	70.08	MILES	C-3	Р			F	Nitrogen (Total)	Source Unknown
udith - Arrow	MT41S002_070	ROSS FORK JUDITH RIVER, headwaters to mouth (Judith River)	5	64.23	MILES	B-1	N	F	P	F	Alteration in stream-side or littoral vegetative covers BOD, Biochemical oxygen demand Nitrate/Nitrite (Nitrite + Nitrate as N) Sedimentation/Siltation	Channelization  Loss of Riparian Habitat  Permitted Runoff from Confined Animal Feeding Operations (CAFOs)  Source Unknown
udith - Arrow	MT41S002_080	SOUTH FORK JUDITH RIVER, headwaters to mouth	5	21.16	MILES	B-1	Р	F	Х	X	Physical substrate habitat alterations Sedimentation/Siltation	Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones Site Clearance (Land Development or Redevelopment)
udith - Arrow	MT41S002_100	LAST CHANCE CREEK, headwaters to mouth (Moccasin Creek)	5	6.17	MILES	C-3	N			X	Cyanide Iron Selenium Thallium	Acid Mine Drainage Impacts from Abandoned Mine Lands (Inactive) Mine Tailings
ig Springs	MT41S004_010	BIG SPRING CREEK, East Fork Big Spring Creek to Casino Creek	4A	6.24	MILES	B-1	Р	F	F	Р	Polychlorinated biphenyls	Aquaculture (Permitted)  Contaminated Sediments
ig Springs	MT41\$004_020	BIG SPRING CREEK, confluence of Casino Creek to mouth (Judith River)	4A	24.9	MILES	B-1	P	F	F	P	Alteration in stream-side or littoral vegetative covers Nitrogen (Total) Phosphorus (Total) Polychlorinated biphenyls Sedimentation/Siltation	Agriculture Aquaculture (Permitted) Channelization Contaminated Sediments Dam or Impoundment Grazing in Riparian or Shoreline Zones Loss of Riparian Habitat Streambank Modifications/destablization Unspecified Urban Stormwater
ig Springs	MT41S004_040	CASINO CREEK, headwaters to mouth (Big Spring Creek)	5	13.56	MILES	B-1	P	F	F	Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a Nitrogen (Total)	Animal Feeding Operations (NPS) Grazing in Riparian or Shoreline Zones Loss of Riparian Habitat

<b>HUC</b> 10040103	Judith	Waters	shed	Middle	Missour	i						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Big Springs	MT41S004_040	CASINO CREEK, headwaters to mouth (Big Spring Creek)	5	13.56	MILES	B-1	Р	F	F	Р	Phosphorus (Total)	Site Clearance (Land Development or Redevelopment)
Big Springs	MT41S004_052	COTTONWOOD CREEK, county road at T14N R18E S18 to mouth (Big Spring	5	19.97	MILES	B-1	Р	Р	Р	Р	Alteration in stream-side or littoral vegetative covers	Flow Alterations from Water Diversions
		Creek)									Excess Algal Growth	Grazing in Riparian or Shoreline Zones
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Loss of Riparian Habitat
											Nitrogen (Total)	Source Unknown
											Other flow regime alterations	
											Oxygen, Dissolved	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Total Kjehldahl Nitrogen (TKN)	

Landusky MT40E002_010 MONTANA GULCH, headwaters to Deer mouth (Rock Creek) MT40E002_022 ARMELLS CREEK, headwaters to Deer Creek  Fort Peck Area Tributaries MT40E002_022 ARMELS CREEK, headwaters to Deer Creek  Fort Peck Area Tributaries MT40E002_022 ARMELS CREEK, headwaters to Deer Screek  Area Tributaries MT40E002_022 ARMELS CREEK, headwaters to Deer Screek  Fort Peck Area Tributaries MT40E002_040 Armed Tributaries MT40E002_040 Ar	<b>HUC</b> 10040104	Fort Peck Rese	rvoir <b>Water</b>	shed	Middle	Missouri	i						
Port Peck Area Tributarine   MT40E002_010   MONTANA GULCH, headwaters to Peck Reservoir   September 1998	TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units		AqL	AG	DW	Rec	Cause Name	Source Name
Landusky   MT40E002_010   MONTANA GULCH, headwaters to Dear Rock Area Tributaries   MT40E002_020   MONTANA GULCH, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   MT40E002_020   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to mouth   South Rock Area Tributaries   ARMELLS CREEK, headwaters to Dear Rock Area Tributaries   ARMELLS CREEK,	Missouri River	MT40E001_010		5	49.02	MILES	B-3	Р	F	N	х		Agriculture
Landusky MT40E002_010 MONTANA GUILCH, headwaters to mouth (Rock Creek)  For Peck Area Tributaries MT40E002_022 ARMELLS CREEK, headwaters to Deer 8 August 1			FOR PECK RESERVOIR										Grazing in Riparian or Shoreline Zones
Copper   C												Copper	Impacts from Abandoned Mine Lands (Inactive)
Fort Peck Area Tributaries	_andusky	MT40E002_010		5	2.04	MILES	C-3	N			Х	Arsenic	Acid Mine Drainage
Fort Peck Area Tributaries			mount (Nock Creek)									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
Fort Peck Area Tributaries												Copper	
Creek  Creek  Croper  Mccury  Zinc  pH  Fort Peck Area Tributaries  MT40E002_040  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ACIG Miles S16  ACIG Miles Creek  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ACIG Miles Creek  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ACIG Miles Creek  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ACIG Miles Creek  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ACIG Miles Creek  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ACIG Miles Creek  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ACIG Miles Creek  AC												рН	
Copper Mccury Zinc pH  Fort Peck Area Tributaries MT40E002_040 COW CREEK, Als Creek to mouth (Missouri River)  ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  ALOUS R25E S16  A	Fort Peck Area Tributaries	MT40E002_022		5	19.34	MILES	C-3	N			Х	Cadmium	Impacts from Abandoned Mine Lands (Inactive)
Fort Peck Area Tributaries MT40E002_040 COW CREEK, Als Creek to mouth (Missouri River)  **Representation**  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **Landusky**  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16  **MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16			Orean									Copper	
Fort Peck Area Tributaries MT40E002_040 COW CREEK, Als Creek to mouth (Missouri River)  ADDITIONAL PROPERTY OF A LEAD COMPANY OF A LEAD CO												Mercury	
Fort Peck Area Tributaries MT40E002_040 COW CREEK, Als Creek to mouth (Missouri River) 5 34.16 MILES C-3 N F Aluminum Copper Copper Iron Lead  Landusky MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16 F (Ruby Creek), T26N R25E S16 F F Aluminum Copper Iron Lead  **Toper***  **Toper***  **Toper***  **Alteration in stream-side or littoral vegetative covers Cadmium Planates from Abandon Mine Tailings  **Lead***  **Toper***  **Copper***  **Alteration in stream-side or littoral vegetative covers Cadmium Planates from Abandon Mine Tailings  **Lead***  **Mine Tailings**  **Toper***  **Mine Tailings**  **Toper***  **Alteration in stream-side or littoral vegetative covers Cadmium Planates from Abandon Mine Tailings  **Toper***  **Alteration in stream-side or littoral vegetative covers Cadmium Planates from Abandon Mine Tailings  **Toper***  **Toper***  **Alteration in stream-side or littoral vegetative covers Cadmium Planates from Abandon Mine Tailings  **Toper***  **Toper***  **Toper***  **Toper***  **Toper***  **Toper***  **Toper***  **Toper***  **Toper**												Zinc	
(Missouri River)  (Missouri River)  (Missouri River)  (Missouri River)  (Missouri River)  (Accopper Natural Sources Iron  Lead  Lead  Acid Mine Drainage vegetative covers Cadmium Impacts from Abandon  Copper Mine Tailings  Lead  Mercury  Selenium  Zinc  pH												рН	
Landusky MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16 S18	Fort Peck Area Tributaries	MT40E002_040		5	34.16	MILES	C-3	N			F	Aluminum	Coal Mining
Landusky MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16 5 4.04 MILES C-3 N X Alteration in stream-side or littoral vegetative covers Cadmium Impacts from Abandon Copper Mine Tailings  Lead 6 Mercury Selenium 2 Selenium 2 Sinc pH			(111000 011 1 11101)									Copper	Natural Sources
Landusky MT40E002_050 ALDER GULCH, headwaters to mouth (Ruby Creek), T26N R25E S16 5 4.04 MILES C-3 N X Alteration in stream-side or littoral vegetative covers Cadmium Copper Mine Tailings  Lead Mercury Selenium Zinc pH												Iron	
(Ruby Creek), T26N R25E S16  vegetative covers Cadmium  Impacts from Abandon  Copper  Lead  Mercury  Selenium  Zinc  pH												Lead	
Cadmium Impacts from Abandon Copper Mine Tailings Lead Mercury Selenium Zinc pH	_andusky	MT40E002_050		5	4.04	MILES	C-3	N			Х		Acid Mine Drainage
Lead  Mercury  Selenium  Zinc  pH			(Ruby Creek), 126N R25E S16										Impacts from Abandoned Mine Lands (Inactive)
Mercury Selenium Zinc pH												Copper	Mine Tailings
Selenium  Zinc  pH												Lead	
Zinc pH												Mercury	
рН												Selenium	
												Zinc	
METALES AND												pH	
	_andusky	MT40E002_060	RUBY CREEK, Un-Named tributary	5	4.61	MILES	C-3	N			Х	Aluminum	Impacts from Abandoned Mine Lands (Inactive)
T25N R25E S21 to mouth (CK Creek)  Cadmium	Landusky i		125N K25E S21 to mouth (CK Creek)									Cadmium	
Copper												Copper	

<b>HUC</b> 10040104	Fort Peck Rese	ervoir <b>Water</b>	sned	Midale	Missour	1						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
_andusky	MT40E002_060	RUBY CREEK, Un-Named tributary	5	4.61	MILES	C-3	N			Х	Lead	
		T25N R25E S21 to mouth (CK Creek)									Mercury	
											Selenium	
											Zinc	
											pH	
_andusky	MT40E002_070	RUBY GULCH, headwaters to	5	2.91	MILES	C-3	N			х	Cadmium	Impacts from Abandoned Mine Lands (Inactive)
		confluence of Alder Gulch, T25N R25E S21									Chromium (total)	Mine Tailings
											Copper	
											Lead	
											Mercury	
											Selenium	
											Zinc	
											pH	
andusky	MT40E002_090	ROCK CREEK, headwaters to mouth	5	39.19	MILES	C-3	Р			Р	Alteration in stream-side or littoral	Agriculture
		(Missouri River)									vegetative covers Cadmium	Grazing in Riparian or Shoreline Zones
											Copper	Impacts from Abandoned Mine Lands (Inactive)
											Escherichia coli	
											Lead	
											Mercury	
											Selenium	
											Zinc	
											рН	
_andusky	MT40E002_100	MILL GULCH, headwaters to mouth	5	1.74	MILES	C-3	Р	Р	N	Р	Alteration in stream-side or littoral	Rangeland Grazing
		(Rock Creek)									vegetative covers Copper	Surface Mining
											Lead	
											Mercury	
											Nitrates	

<b>HUC</b> 10040104	Fort Peck Rese	ervoir <b>Water</b>	shed	Middle	Missour	i						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Landusky	MT40E002_100	MILL GULCH, headwaters to mouth	5	1.74	MILES	C-3	Р	Р	N	Р	Selenium	
		(Rock Creek)									pH	
Landusky	MT40E002_110	SULLIVAN CREEK, headwaters to mouth (Rock Creek)	4C	.85	MILES	C-3	N			N	Alteration in stream-side or littoral vegetative covers	Open Pit Mining
		mount (Nock Greek)									Fish-Passage Barrier	Subsurface (Hardrock) Minining
											Other flow regime alterations	Surface Mining
											Physical substrate habitat alterations	
Fort Peck Area Tributaries	MT40E002_130	FARGO COULEE, headwaters to mouth	5	21.11	MILES	C-3	N			F	Alteration in stream-side or littoral	Natural Sources
		(Armells Creek)									vegetative covers Aluminum	Source Unknown
											Iron	
											Lead	
											Nitrogen (Total)	
											Phosphorus (Total)	
Redwater	MT40E003_010	TIMBER CREEK, headwaters to mouth (Big Dry Creek arm of Fort Peck Res)	4A	89.42	MILES	C-3	Р			F	Nitrogen (Total)	Agriculture
		(big biy creek aiiii oi Foit Feck Res)									Phosphorus (Total)	Natural Sources
											Total Kjehldahl Nitrogen (TKN)	Source Unknown
Redwater	MT40E003_020	NELSON CREEK, headwaters to mouth	5	36.37	MILES	C-3	Р			Х	Alteration in stream-side or littoral	Agriculture
		(Big Dry Creek arm of Fort Peck Res)									vegetative covers Cadmium	Grazing in Riparian or Shoreline Zones
											Copper	Source Unknown
											Nitrates	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sulfates	
											Total Dissolved Solids	
Missouri River	MT40E004_010	FORT PECK RESERVOIR	5	245000	ACRES	B-3	N	X	N	F	Lead	Atmospheric Depositon - Toxics
											Mercury	Historic Bottom Deposits (Not Sediment)
												Impacts from Abandoned Mine Lands (Inactive)

#### **Appendix A: Impaired Waters** Big Dry **HUC** 10040105 Watershed Middle Missouri Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class MT40D001\_010 BIG DRY CREEK, Steves Fork to mouth 5 98.62 MILES C-3 Р Big and Little Dry Alteration in stream-side or littoral Agriculture (Fort Peck Reservoir) vegetative covers Municipal Point Source Discharges Ammonia (Un-ionized) Nitrogen (Total) Nitrogen, Nitrate

Phosphorus (Total)

# Lower Musselshell River Box Elder Creek (Musselshell R) Flatwillow Creek Middle Musselshell River Upper Musselshell River

### Musselshell Sub-Major Basin

#### Missouri River Basin

USGS HUC HUC NAME

10040201 Upper Musselshell River 10040202 Middle Musselshell River 10040203 Flatwillow Creek 10040204 Box Elder Creek (Musselshell R)

10040205 Lower Musselshell River



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<b>HUC</b> 10040201	Upper Musselsh	ell <b>Water</b>	shed	Mussel	shell							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper/Middle Musselshell	MT40A001_010	MUSSELSHELL RIVER, North & South	5	55.3	MILES	B-2	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		Fork confluence to Deadmans Basin Diversion Canal									vegetative covers Low flow alterations	Channelization
											Nitrogen (Total)	Irrigated Crop Production
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Upper/Middle Musselshell	MT40A001_020	MUSSELSHELL RIVER, Deadmans	5	94.49	MILES	C-3	Р			Х	Alteration in stream-side or littoral	Agriculture
		Basin Supply Canal to HUC boundary near Roundup									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	Irrigated Crop Production
											Phosphorus (Total)	Non-irrigated Crop Production
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Upper/Middle Musselshell	MT40A002_010	NORTH FORK MUSSELSHELL RIVER, headwaters to confluence with the South Fork Musselshell River		38.19	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Grazing in Riparian or Shoreline Zones  Natural Sources
Upper/Middle Musselshell	MT40A002_030	TRAIL CREEK, headwaters to mouth	5	10.1	MILES	B-1	N	F	F	Р	Chlorophyll-a	Rangeland Grazing
		(North Fork Musselshell River)									Sedimentation/Siltation	Silviculture Harvesting
												Source Unknown
Upper/Middle Musselshell	MT40A002_040	MILL CREEK, headwaters to mouth	5	4.81	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(North Fork Musselshell River)									vegetative covers Chlorophyll-a	Silviculture Harvesting
											Sedimentation/Siltation	Source Unknown
Careless Creek	MT40A002_050	CARELESS CREEK, confluence with Deadmans Basin Canal to mouth (Musselshell River)	4A	17	MILES	C-3	Р			F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Channel Erosion/Incision from Upstream Hydromodifications Impacts from Hydrostructure Flow Regulation/modification Streambank Modifications/destablization
Upper/Middle Musselshell	MT40A002_070	FISH CREEK, headwaters to mouth	5	98.64	MILES	C-3	Р			F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Flow Alterations from Water Diversions
		(Musselshell River)									Nitrogen (Total)	Rangeland Grazing
											Other flow regime alterations	Source Unknown

<b>HUC</b> 10040201	Upper Musselsh	nell Waters	shed	Mussel	shell							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW I	Rec	Cause Name	Source Name
Upper/Middle Musselshell	MT40A002_070	FISH CREEK, headwaters to mouth (Musselshell River)	5	98.64	MILES	C-3	Р			F	Phosphorus (Total)	
Upper/Middle Musselshell	MT40A002_080	PAINTED ROBE CREEK, headwaters to mouth (Musselshell River)	5	40.92	MILES	C-3	Р			Х	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Non-irrigated Crop Production Rangeland Grazing
											Salinity	
Upper/Middle Musselshell	MT40A002_090	HALF BREED CREEK, headwaters to mouth (Musselshell River)	5	18.19	MILES	C-3	Р			F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Highway/Road/Bridge Runoff (Non-construction
		mouth (wasseisheil River)									Nitrogen (Total)	Related) Livestock (Grazing or Feeding Operations)
											Other flow regime alterations	On-site Treatment Systems (Septic Systems and
											Total Kjehldahl Nitrogen (TKN)	Similar Decencentralized Systems)
Upper/Middle Musselshell	MT40A005_010	DEADMANS BASIN RESERVOIR	5	1903	ACRES	B-1	N	N	N	F	Copper	Natural Sources
											Iron	Source Unknown
											Lead	

<b>HUC</b> 10040202	Middle Mussels	hell Wate	rshed	Mussel	Ishell							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper/Middle Musselshell	MT40C001_010	MUSSELSHELL RIVER, HUC boundary near Roundup to Flatwillow Creek	y 4C	119.77	MILES	C-3	Р			F	Alteration in stream-side or littoral vegetative covers Low flow alterations	Agriculture Channelization
											Physical substrate habitat alterations	Impacts from Hydrostructure Flow Regulation/modification Streambank Modifications/destablization
Upper/Middle Musselshell	MT40C002_010	NORTH WILLOW CREEK, headwaters	5	117.27	MILES	C-3	N			F	Iron	Above Ground Storage Tank Leaks (Tank Farms)
		to mouth (Musselshell River)									Nitrogen (Total)	Natural Sources
											Phosphorus (Total)	Source Unknown
											Sedimentation/Siltation	
											Solids (Suspended/Bedload)	
											Specific Conductance	
											Sulfates	

<b>HUC</b> 10040203	Flatwillow	Water	shed	Mussel	shell							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Flatwillow - Box Elder	MT40B001_021	FLATWILLOW CREEK, headwaters to Highway 87 bridge	5	40.11	MILES	B-2	Р	F	х	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production Loss of Riparian Habitat Rangeland Grazing
Flatwillow - Box Elder	MT40B001_022	FLATWILLOW CREEK, Highway 87 bridge to mouth (Musselshell River)	5	99.88	MILES	C-3	P			P	Alteration in stream-side or littoral vegetative covers Low flow alterations  Mercury  Nitrogen, Nitrate  Physical substrate habitat alterations  Sedimentation/Siltation	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production Loss of Riparian Habitat Rangeland Grazing Source Unknown
Flatwillow - Box Elder	MT40B001_040	NORTH FORK FLATWILLOW CREEK, headwaters to confluence with South Fork	5	27.56	MILES	B-2	Р	F	F	F	Sedimentation/Siltation	Agriculture Loss of Riparian Habitat Rangeland Grazing

<b>HUC</b> 10040204	Box Elder	Water	shed	Mussel	shell							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Flatwillow - Box Elder	MT40B002_010	McDONALD CREEK, North and South Forks to mouth (Box Elder Creek)	5	89.18	MILES	C-3	Р			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	CHICAGO GULCH, headwaters to mout (Fords Creek)	h 5	2.98	MILES	C-3	Р			X	Lead Zinc pH	Acid Mine Drainage  Impacts from Abandoned Mine Lands (Inactive)
Flatwillow - Box Elder	MT40B002_030	COLLAR GULCH, headwaters to mouth (Fords Creek)	5	6.38	MILES	C-3	Р			X	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	5	3.75	MILES	C-3	N			N	Alteration in stream-side or littoral vegetative covers Antimony Arsenic Cyanide Iron	Grazing in Riparian or Shoreline Zones  Heap-leach Extraction Mining  Mine Tailings
											Mercury Sedimentation/Siltation Zinc	

<b>HUC</b> 10040205	Lower Musselsh	ell <b>Water</b>	shed	Mussel	shell						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL A	G DW	Rec	Cause Name	Source Name
Lower Musselshell	MT40C003_010	MUSSELSHELL RIVER, Flatwillow Creek to Fort Peck Reservoir	4C	75.94	MILES	C-3	Р		F	Alteration in stream-side or littoral vegetative covers Low flow alterations	Agriculture  Flow Alterations from Water Diversions  Grazing in Riparian or Shoreline Zones  Impacts from Hydrostructure Flow Regulation/modification Impacts from Resort Areas (Winter and Non-winter Resorts)  Streambank Modifications/destablization
Lower Musselshell	MT40C004_030	BLOOD CREEK, Dovetail County Road to mouth (Musselshell River)	4C	57.36	MILES	C-3	Р		Х	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones  Natural Sources

#### Frenchman Wild Horse Lodge **UMR** Creek Lake Creek Whitewater \*\* Battle Upper Rock Cottonwood Creek Creek/ Creek Sage Creek Creek River Milk River Porcupine (UMR) Creek Headwaters Middle Milk River Big Sandy Creek Lower Milk Peoples River Creek Beaver Creek

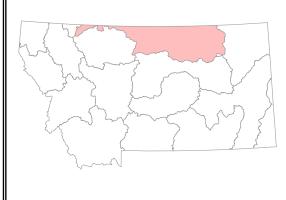
### Milk Sub-Major Basin

#### Missouri River Basin

HISCS HIIC

USGS HUC	HUC NAME
10050001	Milk River Headwaters
10050002	Upper Milk River
10050003	Wild Horse Lake
10050004	Middle Milk River
10050005	Big Sandy Creek
10050006	Sage Creek
10050007	Lodge Creek
10050008	Battle Creek
10050009	Peoples Creek
10050010	Cottonwood Creek
10050011	Whitewater Creek
10050012	Lower Milk River
10050013	Frenchman Creek
10050014	Beaver Creek (Milk R)
10050015	Rock Creek
10050016	Porcupine Creek

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HUC 10050002 Upper Milk Watershed Milk												
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Milk	MT40F003_010	MILK RIVER, Eastern, Canada border to Fresno Reservoir	5	39.66	MILES	B-3	N	F	N	F	Copper	Flow Alterations from Water Diversions
											High Flow Regime	Natural Sources
											Iron	Source Unknown
											Lead	
Upper Milk	MT40F005_010	FRESNO RESERVOIR (Milk River)	4C	5007	ACRES	B-3	Р	F	Χ	Х	Other flow regime alterations  Physical substrate habitat alterations	Impacts from Hydrostructure Flow Regulation/modification

<b>HUC</b> 10050004	Middle Milk	Waters	shed	Milk								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Milk and Tributaries	MT40J001_011	MILK RIVER, Fresno Dam to Thirtymile	5	113.28	MILES	B-3	Х	F	N	Х	Mercury	Agriculture
		Creek										Dam or Impoundment
												Natural Sources
Middle Milk and Tributaries	MT40J001_012	MILK RIVER, Thirtymile Creek to Dobsor	n 5	58.19	MILES	B-3	Х	F	N	Х	Mercury	Agriculture
		Creek										Dam or Impoundment
												Natural Sources
Middle Milk and Tributaries	MT40J001_013	MILK RIVER, Dobson Creek to	5	102.75	MILES	B-3	Х	F	N	Х	Mercury	Agriculture
		Whitewater Creek										Dam or Impoundment
												Natural Sources
Middle Milk and Tributaries	MT40J001_020	MILK RIVER, Whitewater Creek to Beaver Creek	5	38.24	MILES	B-3	Р	F	F	F	Alteration in stream-side or littoral	Crop Production (Crop Land or Dry Land)
											vegetative covers Iron	Flow Alterations from Water Diversions
											Nitrates	Irrigated Crop Production
											Other flow regime alterations	Natural Sources
												Rangeland Grazing
Middle Milk and Tributaries	MT40J002_010	BEAVER CREEK, Beaver Creek	5	24.92	MILES	B-1	N	F	N	F	Iron	Channelization
		Reservoir to mouth (Milk River)									Lead	Natural Sources
											Mercury	Source Unknown
											Other flow regime alterations	
											Sedimentation/Siltation	
											Temperature, water	
Middle Milk and Tributaries	MT40J002_020	BULLHOOK CREEK, headwaters to the Bullhook Dam, T32N R16E S16	5	24.9	MILES	B-3	N	F	F	Р	Alteration in stream-side or littoral	Habitat Modification - other than Hydromodification
											vegetative covers Nitrate/Nitrite (Nitrite + Nitrate as N)	Natural Sources
											Other flow regime alterations	Residential Districts
											Sedimentation/Siltation	Source Unknown
											Temperature, water	Streambank Modifications/destablization
Middle Milk and Tributaries	MT40J002_030	LITTLE BOXELDER CREEK, headwaters to mouth (Milk River)	5	50.17	MILES	B-1	N	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Natural Sources

#### **Appendix A: Impaired Waters HUC** 10050004 Middle Milk Watershed Milk Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Middle Milk and Tributaries MT40J002\_030 LITTLE BOXELDER CREEK, MILES 50.17 B-1 N F FNitrogen (Total) Rangeland Grazing headwaters to mouth (Milk River) Phosphorus (Total) Source Unknown Sedimentation/Siltation Temperature, water

#### **Appendix A: Impaired Waters** Big Sandy **HUC** 10050005 Watershed Milk Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class MT40H001\_010 BIG SANDY CREEK, Lonesome Lake 62.93 MILES Big Sandy - Sage B-3 P F N XMercury Agriculture Coulee to mouth (Milk River) Salinity Atmospheric Depositon - Nitrogen Sulfates Crop Production (Crop Land or Dry Land) Total Dissolved Solids Natural Sources

Source Unknown

<b>HUC</b> 10050006	Sage	Water	shed	Milk								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Big Sandy - Sage	MT40G001_011	SAGE CREEK, Laird Creek to the confluence of Russell Creek, T36N R9E	4A	9.94	MILES	B-1	Р	Р	Р	F	Alteration in stream-side or littoral vegetative covers	Agriculture
		S32									Salinity	Crop Production (Crop Land or Dry Land)
											Sulfates	Grazing in Riparian or Shoreline Zones
											Total Dissolved Solids	Irrigated Crop Production
												Natural Sources
												Non-irrigated Crop Production
g Sandy - Sage	MT40G001_012	SAGE CREEK, the section line between 1 & 12 T36N R6E to the mouth	4A	111.75	MILES	B-3	Р	Р	Р	F	Alteration in stream-side or littoral	Crop Production (Crop Land or Dry Land)
		1 & 12 130N ROE to the mouth									vegetative covers Salinity	Grazing in Riparian or Shoreline Zones
											Sulfates	Irrigated Crop Production
											Total Dissolved Solids	Natural Sources
												Non-irrigated Crop Production

<b>HUC</b> 10050007	Lodge	Water	shed	Milk								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Milk and Tributaries	MT40J003_010	LODGE CREEK, Canadian border to	5	83.08	MILES	B-3	Р	Р	N	F	Low flow alterations	Agriculture
		mouth (Milk River)									Mercury	Dam or Impoundment
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Golf Courses
											Nitrogen (Total)	Residential Districts
											Oxygen, Dissolved	Source Unknown
											Phosphorus (Total)	

#### **Appendix A: Impaired Waters HUC** 10050008 Battle Watershed Milk Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Middle Milk and Tributaries MT40J004\_010 BATTLE CREEK, Canadian border to MILES P F F F 74.33 B-3 Alteration in stream-side or littoral Agriculture mouth (Milk River) vegetative covers

Rangeland Grazing

Cause Unknown
Chlorophyll-a

Sedimentation/Siltation

Physical substrate habitat alterations

<b>HUC</b> 10050009	Peoples	Water	shed	Milk								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Milk and Tributaries	MT40I001_020	PEOPLES CREEK, headwaters to Fort Belknap Reservation boundary	5	57.19	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Grazing in Riparian or Shoreline Zones Source Unknown
											Mercury  Nitrate/Nitrite (Nitrite + Nitrate as N)  Phosphorus (Total)  Temperature, water	
Landusky	MT401001_030	BIG HORN CREEK, Zortman Mine to Fort Belknap Reservation boundary	5	1.36	MILES	B-1	N	F	N	Х	Aluminum Arsenic Cadmium Nickel Zinc	Acid Mine Drainage Impacts from Abandoned Mine Lands (Inactive) Mine Tailings Surface Mining
Landusky	MT40I001_040	KING CREEK, headwaters to Fort Belknap Reservation boundary	5	.9	MILES	B-1	N	F	F	X	Alteration in stream-side or littoral vegetative covers Physical substrate habitat alterations Selenium	Impacts from Abandoned Mine Lands (Inactive) Mine Tailings
Landusky	MT401001_050	LODGE POLE CREEK, headwaters to Fort Belknap Reservation boundary	5	4.34	MILES	B-1	N	F	N	Х	Alteration in stream-side or littoral vegetative covers Cadmium Cause Unknown Mercury	Source Unknown  Subsurface (Hardrock) Minining  Surface Mining
Landusky	MT40I002_010	SWIFT GULCH CREEK, Headwaters to mouth (South Big Horn Creek), T25N R24E S10	5	1.73	MILES	B-1	N	F	N	F	Aluminum Arsenic Cadmium Copper Cyanide Iron Lead Nickel Selenium	Impacts from Abandoned Mine Lands (Inactive) Natural Sources Open Pit Mining

### **Appendix A: Impaired Waters HUC** 10050009 Peoples Watershed Milk TMDL Planning Area Waterbody Name/Location ID305B Category Size Units Use AqL AG DW Rec Cause Name Source Name Class MT40I002\_010 SWIFT GULCH CREEK, Headwaters to 5 1.73 MILES Thallium Landusky B-1 N F N Fmouth (South Big Horn Creek), T25N R24E S10 Zinc рΗ

### **Appendix A: Impaired Waters HUC** 10050010 Cottonwood Watershed Milk Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Middle Milk and Tributaries MT40J005\_020 COTTONWOOD CREEK, Black Coulee 5 57.36 MILES P F F F Grazing in Riparian or Shoreline Zones B-3 Alteration in stream-side or littoral to mouth (Milk River) vegetative covers Natural Sources Iron Source Unknown Sedimentation/Siltation

### **Appendix A: Impaired Waters HUC** 10050011 Whitewater Watershed Milk Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Middle Milk and Tributaries MT40K001\_010 WHITEWATER CREEK, Canadian 67.63 MILES Source Unknown B-3 F F N F Mercury border to mouth (Milk River)

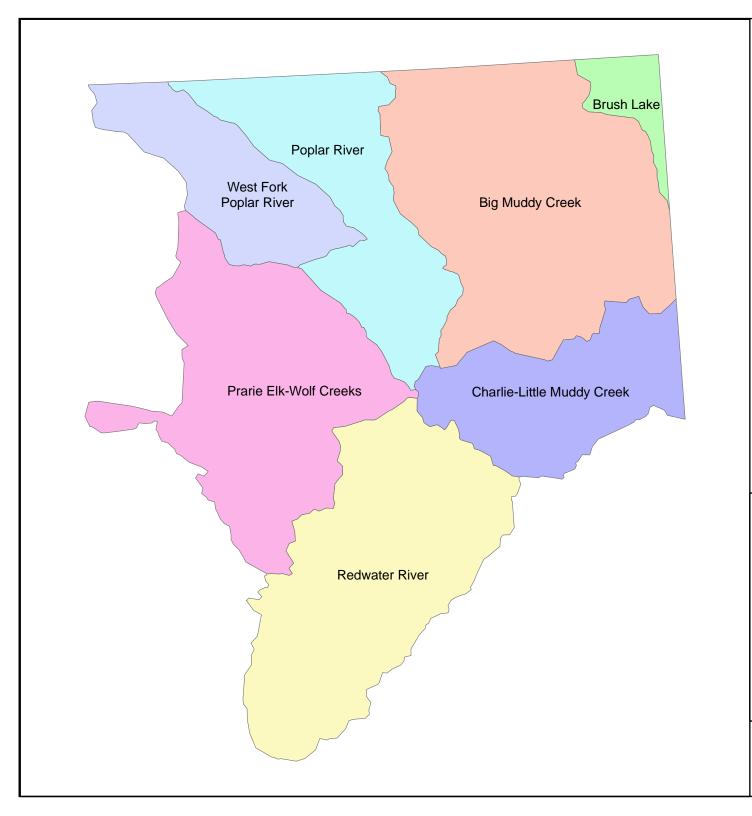
<b>HUC</b> 10050012	Lower Milk	Waters	shed	Milk								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Milk	MT40O001_010	MILK RIVER, Beaver Creek to mouth (Missouri River)	5	134.52	MILES	B-3	Х	F	N	N	Escherichia coli	Agriculture
		(									Lead	Dam or Impoundment
											Mercury	Source Unknown
Lower Milk	MT40O002_020	BUGGY CREEK, headwaters to mouth (Milk River)	5	46.53	MILES	B-3	Р	F	F	F	Iron	Natural Sources
Lower Milk	MT40O002_031	WILLOW CREEK, headwaters to Halfpin Reservoir, T25N R35E S26	t 5	10.38	MILES	B-3	Р	F	Х	Х	Alteration in stream-side or littoral vegetative covers	Agriculture
		Reservoir, 12514 ROOL 320									Other flow regime alterations	Grazing in Riparian or Shoreline Zones
											Physical substrate habitat alterations	Impacts from Hydrostructure Flow Regulation/modification
											Sedimentation/Siltation	Streambank Modifications/destablization
												Upstream Impoundments (e.g., PI-566 NRCS Structures)
Lower Milk	MT40O002_033	WILLOW CREEK, Halfpint Reservoir to mouth (Milk River), T28N R40E S29	5	76.13	MILES	B-3	N	F	Х	Х	Alteration in stream-side or littoral vegetative covers	Agriculture
		mouth (Milk River), 12611 R40E 329									Other flow regime alterations	Grazing in Riparian or Shoreline Zones
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Lower Milk	MT40O002_040	BEAVER CREEK, confluence of Little	5	16.53	MILES	B-3	N	F	F	F	Alteration in stream-side or littoral	Dam or Impoundment
		Beaver Creek and South Fork Beaver Creek to mouth (Willow Creek)									vegetative covers Nitrate/Nitrite (Nitrite + Nitrate as N)	Natural Sources
											Solids (Suspended/Bedload)	Rangeland Grazing
Lone Tree Creek	MT40O002_050	LONE TREE CREEK, headwaters to mouth at Willow Creek	4A	22.22	MILES	B-3	Р	Х	Х	X	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Grazing in Riparian or Shoreline Zones Impacts from Hydrostructure Flow Regulation/modification Streambank Modifications/destablization

### **Appendix A: Impaired Waters HUC** 10050013 Frenchman Watershed Milk Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Middle Milk and Tributaries MT40L001\_010 FRENCHMAN CREEK, Canadian border 4C 82.5 MILES Р P F P B-3 Alteration in stream-side or littoral Agriculture to mouth (Milk River) vegetative covers Dam or Impoundment Chlorophyll-a Grazing in Riparian or Shoreline Zones Low flow alterations Source Unknown

HUC	10050014	Beaver	Water	shed	Milk								
TMDL PI	lanning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Landusky	/	MT40M001_011	BEAVER CREEK, headwaters to Fort	5	5.4	MILES	B-3	N	F	F	F	Cadmium	Impacts from Abandoned Mine Lands (Inactive)
			Belknap Reservation boundary									Iron	Source Unknown
												Lead	
Beaver		MT40M001_013	BEAVER CREEK, Fort Belknap Reservation boundary to Big Warm	5	55.12	MILES	B-3	Р	F	N	F	Mercury	Source Unknown
			Creek									Phosphorus (Total)	
Beaver		MT40M001_014	BEAVER CREEK, Big Warm Creek to Un-Named tributary, T30N R32E S32	5	97.99	MILES	B-3	Р	F	N	F	Mercury	Source Unknown
			OII-Named Indutary, 130N K32E 332									Phosphorus (Total)	
Beaver		MT40M001_020	BEAVER CREEK, Bowdoin Canal to	5	86.86	MILES	B-3	Р	F	х	Х	Alteration in stream-side or littoral	Agriculture
			mouth (Milk River)									vegetative covers Nitrogen (Total)	Source Unknown
												Phosphorus (Total)	
												Physical substrate habitat alterations	
												Uranium	
Beaver		MT40M002_010	FLAT CREEK, headwaters to mouth (Beaver Creek), T27N R32E S35	5	36.88	MILES	B-3	N	N	N	F	Arsenic	Natural Sources
			(Deaver Creek), 127N N32L 333									Cadmium	Source Unknown
												Copper	
												Iron	
												Lead	
												Nitrate/Nitrite (Nitrite + Nitrate as N)	
												Nitrogen (Total)	
												Oxygen, Dissolved	
												Phosphorus (Total)	
												Solids (Suspended/Bedload)	
												Zinc	
Beaver		MT40M002_020	LARB CREEK, headwaters to mouth (Beaver Creek)	5	76.67	MILES	B-3	N	F	F	F	Alteration in stream-side or littoral vegetative covers	Agriculture
			(									Copper	Animal Feeding Operations (NPS)
												Lead	Natural Sources
												Nitrogen (Total)	Source Unknown

<b>HUC</b> 10050014	Beaver	Waters	shed	Milk								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Beaver	MT40M002_020	LARB CREEK, headwaters to mouth (Beaver Creek)	5	76.67	MILES	B-3	N	F	F	F	Oxygen, Dissolved Phosphorus (Total)	
Beaver	MT40M002_030	BIG WARM CREEK, Fort Belknap Reservation boundary to mouth (Beaver Creek)	5	57.08	MILES	B-3	Р	Р	F	F	Alteration in stream-side or littoral vegetative covers Other flow regime alterations	Agriculture  Dam or Impoundment
											Phosphorus (Total)  Physical substrate habitat alterations  Salinity	Grazing in Riparian or Shoreline Zones  Streambank Modifications/destablization
											Sedimentation/Siltation	
Beaver	MT40M003_010	LAKE BOWDOIN	5	3500	ACRES	B-3	Р	Р	N	Х	Salinity Selenium	Agriculture  Dam or Impoundment  Irrigated Crop Production
Beaver	MT40M003_020	NELSON RESERVOIR	5	3901.7	ACRES	B-3	Р	F	х	Р	Other flow regime alterations Phosphorus (Total)	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production

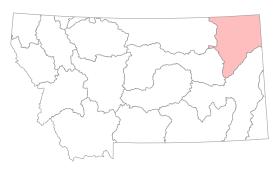
### **Appendix A: Impaired Waters HUC** 10050016 Porcupine Watershed Milk Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class MT40O003\_010 PORCUPINE CREEK, confluence of MILES Р P F X Nitrogen (Total) Non-irrigated Crop Production Lower Milk 49.29 B-3 West and Middle Forks to mouth (Milk Phosphorus (Total) River) Salinity



# Lower Missouri Sub-Major Basin

# Missouri River Basin

USGS HUC	HUC NAME
10060001	Prairie Elk-Wolf Creeks
10060002	Red Water River
10060003	Poplar River
10060004	West Fork Poplar River
10060005	Charlie-Little Muddy
	Creeks
10060006	Big Muddy Creel
10060007	Brush Lake



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<b>HUC</b> 10060001	Prairie Elk-Wolf	Water	shed	Lower	Missouri							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Missouri	MT40S001_011	MISSOURI RIVER, Fort Peck Dam to Milk River	5	9.79	MILES	B-2	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Other flow regime alterations Temperature, water	Impacts from Hydrostructure Flow Regulation/modification
Lower Missouri	MT40S001_012	MISSOURI RIVER, Milk River to Poplar River	5	81.86	MILES	B-3	Р	F	F	X	Alteration in stream-side or littoral vegetative covers Other flow regime alterations Temperature, water	Impacts from Hydrostructure Flow Regulation/modification Loss of Riparian Habitat
Redwater	MT40S002_010	PRAIRIE ELK CREEK, East and Middle Forks to mouth (Missouri River)	4A	38.87	MILES	C-3	Р			X	Alteration in stream-side or littoral vegetative covers Nitrogen (Total) Phosphorus (Total) Physical substrate habitat alterations Total Kjehldahl Nitrogen (TKN)	Agriculture Grazing in Riparian or Shoreline Zones
Redwater	MT40S002_030	SAND CREEK, confluence of East and West Forks to mouth (Missouri River)	5	19.82	MILES	C-3	P			X	Nitrogen (Total) Phosphorus (Total) Physical substrate habitat alterations Sedimentation/Siltation Total Kjehldahl Nitrogen (TKN)	Agriculture  Non-irrigated Crop Production  Rangeland Grazing

<b>HUC</b> 10060002	Redwater	Waters	shed	Lower	Missour	i						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG [	W Re	ec	Cause Name	Source Name
Redwater	MT40P001_012	REDWATER RIVER, Hell Creek to Buffalo Springs Creek	4A	7.67	MILES	C-3	Р		F	=	Cause Unknown	Municipal Point Source Discharges
		Bullalo Springs Creek									Nitrogen (Total)	Natural Sources
											Phosphorus (Total)	On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Redwater	MT40P001_014	REDWATER RIVER, Pasture Creek to mouth (Missouri River)	4C	60.45	MILES	C-3	Р		F	=	Alteration in stream-side or littoral	Natural Sources
		mouti (Missouri River)									vegetative covers Physical substrate habitat alterations	Rangeland Grazing
Redwater	MT40P002_010	EAST REDWATER CREEK, headwaters to mouth (Redwater River)	5	50.61	MILES	C-3	Р		F	>	Chlorophyll-a	Agriculture
		to mouth (iteuwater itiver)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Specific Conductance	
											Sulfates	
											Total Dissolved Solids	
											Total Kjehldahl Nitrogen (TKN)	
Redwater	MT40P002_020	HORSE CREEK, headwaters to mouth a Redwater River near town of Circle	t 4A	32.43	MILES	C-3	Р		>	K	Alteration in stream-side or littoral	Agriculture
		Redwater River flear town of Circle									vegetative covers Nitrogen (Total)	Non-irrigated Crop Production
											Phosphorus (Total)	Rangeland Grazing
											Physical substrate habitat alterations	Source Unknown
											Salinity	
Redwater	MT40P002_030	PASTURE CREEK, headwaters to mouth	n 4A	39.72	MILES	C-3	Р		F	=	Nitrogen (Total)	Agriculture
		at Redwater River									Total Kjehldahl Nitrogen (TKN)	Animal Feeding Operations (NPS)
												Source Unknown

<b>HUC</b> 10060003	Poplar	Waters	shed	Lower I	Missouri							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Missouri	MT40Q001_011	POPLAR RIVER, T35N R48E S17 to For Peck Reservation, T33N R48E S12	t 5	29.94	MILES	B-2	Р	F	F	N	Escherichia coli Sedimentation/Siltation Temperature, water	Natural Sources Rangeland Grazing Source Unknown
Lower Missouri	MT40Q001_012	MIDDLE FORK POPLAR RIVER, T37N R45E S6 to the mouth (Poplar River), T36N R48E S33	5	36.46	MILES	B-2	Р	F	F	N	Escherichia coli Sedimentation/Siltation Temperature, water	Natural Sources Rangeland Grazing Source Unknown
Lower Missouri	MT40Q002_010	BUTTE CREEK, headwaters to mouth (Poplar River)	5	41.95	MILES	B-2	Р	P	F	F	Iron Nitrate/Nitrite (Nitrite + Nitrate as N) Nitrogen (Total) Phosphorus (Total) Sodium Specific Conductance	Crop Production (Crop Land or Dry Land)  Natural Sources  Source Unknown
Lower Missouri	MT40Q002_020	EAST FORK POPLAR RIVER, Canada border to mouth (Poplar River)	5	21.58	MILES	B-2	Р	Р	F	Р	Chlorophyll-a Iron Other flow regime alterations	Impacts from Hydrostructure Flow Regulation/modification Natural Sources Source Unknown

<b>HUC</b> 10060005	Charlie-Little M	luddy <b>Water</b>	shed	Lower	Missouri							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Missouri MT40S003_010	MISSOURI RIVER, Poplar River to North Dakota border	h 5	91.97	MILES	B-3	Р	F	F	Х	Other flow regime alterations	Dam or Impoundment	
										Temperature, water	Impacts from Hydrostructure Flow Regulation/modification	
Lower Missouri	MT40S004_010	CHARLIE CREEK, East and Middle Charlie Creek to mouth (Missouri River)	5	32.86	MILES	C-3	N			F	Fish-Passage Barrier	Crop Production (Crop Land or Dry Land)
		Chame Creek to modul (Missouli Kivel)									Iron	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Nitrogen (Total)	Natural Sources
											Specific Conductance	
Lower Missouri I	MT40S004_020	HARDSCRABBLE CREEK, headwaters	5	35.91	MILES	C-3	N			F	Nitrogen (Total)	Agriculture
		to mouth (Missouri River)									Specific Conductance	Natural Sources
											Total Dissolved Solids	

<b>HUC</b> 10060006	Big Muddy	Water	shed	Lower I	Missouri							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Missouri	MT40R001_010	BIG MUDDY CREEK, north corner of Fort Peck Reservation boundary to mouth (Missouri River)	5	82.08	MILES	C-3	Р			Х	Alteration in stream-side or littoral vegetative covers Low flow alterations Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation	Agriculture  Grazing in Riparian or Shoreline Zones  Impacts from Hydrostructure Flow Regulation/modification
Lower Missouri	MT40R001_020	BIG MUDDY CREEK, Canadian border to northern boundary of Fort Peck Reservation	5	119.54	MILES	C-3	P			F	Alteration in stream-side or littoral vegetative covers Copper Lead Mercury Nitrogen (Total) Organic Enrichment (Sewage) Biological Indicators Phosphorus (Total) Zinc	Agriculture Grazing in Riparian or Shoreline Zones Non-irrigated Crop Production Source Unknown
Lower Missouri	MT40R003_010	MEDICINE LAKE	5	8599	ACRES	C-3	Р			F	Cadmium Lead Mercury	Atmospheric Depositon - Toxics Source Unknown

# Shields River Upper Yellowstone River - Big Lake Basin Upper Yellowstone River Stillwater River Clarks Fork Yellowstone River Yellowstone Headwaters

# **Upper Yellowstone Sub-Major Basin**

# **Yellowstone River Basin**

**HUC NAME USGS HUC** 10070001 Yellowstone Headwaters 10070002 Upper Yellowstone River 10070003 Shields River 10070004 Upper Yellowstone River - Big Lake Basin 10070005 Stillwater River (Yellowstone R) 10070006 Clarks Fork Yellowstone River



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<b>HUC</b> 10070001	Yellowstone He	eadwaters Water	shed	Upper	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Yellowstone River	MT43B001_010	YELLOWSTONE RIVER, Yellowstone Park Boundary to Reese Creek	5	4.79	MILES	B-1	Р	F	N	F	Ammonia (Total)	Highway/Road/Bridge Runoff (Non-construction Related)
											Copper	Impacts from Abandoned Mine Lands (Inactive)  Natural Sources
											Lead	Source Unknown
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Subsurface (Hardrock) Minining
											Sedimentation/Siltation	Surface Mining
Yellowstone River	MT43B001_011	YELLOWSTONE RIVER, Montana State border to Yellowstone Park Boundary	e 5	8.68	MILES	A-1	Р	Х	N	Х	Ammonia (Un-ionized)	Highway/Road/Bridge Runoff (Non-construction Related)
		bolder to Tellowstone Park Boundary									Arsenic	Impacts from Abandoned Mine Lands (Inactive)
											Copper	Natural Sources
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
											Sedimentation/Siltation	Subsurface (Hardrock) Minining
												Surface Mining
Paradise	MT43B002_010	REESE CREEK, border to mouth (Yellowstone River)	4C	5.23	MILES	A-1	Р	F	F	F	Fish-Passage Barrier	Source Unknown
Paradise	MT43B002_021	BEAR CREEK, 1/2 mile below Jardine	5	3.03	MILES	B-1	Р	F	F	Р	Low flow alterations	Flow Alterations from Water Diversions
		Mine to mouth (Yellowstone River)									Temperature, water	
Cooke City	MT43B002_031	SODA BUTTE CREEK, McLaren Tailing	s 4A	4.86	MILES	B-1	Р	Х	Х	F	Copper	Acid Mine Drainage
		to Montana Border									Iron	Mine Tailings
											Lead	
											Manganese	
Cooke City	MT43B002_040	MILLER CREEK, headwaters to mouth	4A	2.56	MILES	B-1	N	Х	N	Х	Aluminum	Acid Mine Drainage
		(Soda Butte Creek)									Cadmium	Mine Tailings
											Copper	Natural Sources
											Iron	
											Lead	
											Manganese	
											Zinc	

**HUC** 10070002 Upper Yellowstone Watershed Upper Yellowstone Category Size TMDL Planning Area ID305B Waterbody Units Use AgL AG DW **Cause Name** Source Name Name/Location Class Yellowstone River MT43B003 010 YELLOWSTONE RIVER. Reese Creek 4C 119 MILES B-1 X X X Alteration in stream-side or littoral Loss of Riparian Habitat to Bridger Creek vegetative covers Physical substrate habitat alterations Site Clearance (Land Development or Redevelopment) Streambank Modifications/destablization Yellowstone - Sweet Grass MT43B004 011 OTTER CREEK, 2 mi downstream of 4C 29.57 MILES Χ Χ Other flow regime alterations Impacts from Hydrostructure Flow Highway 191 bridge to mouth Regulation/modification Physical substrate habitat alterations (Yellowstone River) F Yellowstone - Sweet Grass MT43B004\_012 OTTER CREEK, headwaters to 2 mi MILES Alteration in stream-side or littoral Agriculture 5 24.5 B-1 downstream of Highway 191 bridge vegetative covers Sedimentation/Siltation Yellowstone - Sweet Grass MT43B004\_021 BIG TIMBER CREEK, Swamp Creek to Impacts from Hydrostructure Flow 4C 5.37 MILES B-1 Low flow alterations mouth (Yellowstone River) Regulation/modification Yellowstone - Sweet Grass MT43B004 022 BIG TIMBER CREEK, headwaters 5 26.75 MILES B-1 Р Alteration in stream-side or littoral Agriculture downstream to Swamp Creek vegetative covers Grazing in Riparian or Shoreline Zones Arsenic Source Unknown Cadmium Copper Iron Lead Manganese Nickel Sedimentation/Siltation Selenium Solids (Suspended/Bedload) Yellowstone - Sweet Grass MT43B004\_031 LOWER DEER CREEK, 4 mile upstream 4C MILES Impacts from Hydrostructure Flow 4.43 B-1 Χ Low flow alterations to mouth (Yellowstone River) Regulation/modification Yellowstone - Sweet Grass MT43B004 041 UPPER DEER CREEK, Cartwright Gulch 4C 6.95 MILES B-1 Low flow alterations Impacts from Hydrostructure Flow to mouth (Yellowstone River) Regulation/modification Yellowstone - Sweet Grass MT43B004 042 UPPER DEER CREEK, headwaters to 5 MILES Alteration in stream-side or littoral Grazing in Riparian or Shoreline Zones 16.63 B-1 Cartwright Gulch vegetative covers Silviculture Activities Solids (Suspended/Bedload) MT43B004 051 BILLMAN CREEK, 1.3 miles upstream to 5 Paradise 1.37 MILES B-1 F **Excess Algal Growth** Agriculture mouth (Yellowstone River) Fish-Passage Barrier Channelization

<b>HUC</b> 10070002	Upper Yellowst	tone Waters	shed	Upper	Yellowst	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Paradise	MT43B004_051	BILLMAN CREEK, 1.3 miles upstream to mouth (Yellowstone River)	5	1.37	MILES	B-1	Р	F	F	Р	Nitrate/Nitrite (Nitrite + Nitrate as N)	Habitat Modification - other than Hydromodification
		mouth (Tellowstoffe River)									Sedimentation/Siltation	Source Unknown
Paradise	MT43B004_052	BILLMAN CREEK, headwaters to 1.3 miles above mouth (Yellowstone River)	5	13.44	MILES	B-1	Р	F	F	F	Combined Biota/Habitat Bioassessments	Agriculture
		miles above mouth (Tellowstone Kivel)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Channelization
											Sedimentation/Siltation	Source Unknown
Paradise	MT43B004_061	TOM MINER CREEK, Tepee Creek to	5	.73	MILES	B-1	Р	F	F	Р	Low flow alterations	Flow Alterations from Water Diversions
		mouth (Yellowstone River)									Temperature, water	
Paradise	MT43B004_071	MILL CREEK, National Forest boundary	4C	7.4	MILES	B-1	Р	Х	х	Р	Low flow alterations	Agriculture
		to mouth (Yellowstone River)										Impacts from Hydrostructure Flow Regulation/modification
Paradise	MT43B004_081	PINE CREEK, 2.5 miles upstream to mouth (Yellowstone River)	4C	2.42	MILES	B-1	Р	Х	Х	Р	Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
Paradise	MT43B004_090	SUCE CREEK, Absaroka-Beartooth Wilderness boundary to mouth (Yellowstone River)	4C	3.85	MILES	B-1	Р	Х	Х	Р	Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification
Paradise	MT43B004_101	SIX MILE CREEK, National Forest boundary to mouth (Yellowstone River)	4C	6.19	MILES	B-1	Р	Х	Х	Р	Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification
Paradise	MT43B004_102	SIX MILE CREEK, Absaroka-Beartooth	5	2.54	MILES	B-1	Р	Х	Х	Х	Other anthropogenic substrate alterations	Loss of Riparian Habitat
		Wilderness boundary to National Forest boundary									Sedimentation/Siltation	Placer Mining
Big Creek (Yellowstone)	MT43B004_111	BIG CREEK, National Forest boundary to mouth (Yellowstone River)	4C	4.25	MILES	B-1	Р	Х	Х	Р	Low flow alterations	Flow Alterations from Water Diversions
Paradise	MT43B004_120	MOL HERON CREEK, Yellowstone National Park boundary to mouth (Yellowstone River)	4C	9.03	MILES	B-1	Р	F	F	F	Low flow alterations	Agriculture
Boulder - Big Timber	MT43B004_131	BOULDER RIVER, five miles upstream of mouth (Yellowstone River)	5	5.51	MILES	B-1	Р	F	F	Р	Copper	Impacts from Abandoned Mine Lands (Inactive)
		of mouth (Tellowstone River)									Iron	Irrigated Crop Production
											Lead	
											Low flow alterations	
											Silver	
Boulder - Big Timber	MT43B004_132	BOULDER RIVER, Natural Bridge and Falls in T3S R12E S26 to 5 miles above	5	27.84	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Agriculture

<b>HUC</b> 10070002	Upper Yellowsto	one <b>Water</b> s	shed	Upper	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Boulder - Big Timber	MT43B004_132	BOULDER RIVER, Natural Bridge and Falls in T3S R12E S26 to 5 miles above	5	27.84	MILES	B-1	Р	F	F	F	Chromium (total)	Grazing in Riparian or Shoreline Zones
		the mouth, T1N R14E S34									Copper	Source Unknown
											Iron	
											Lead	
											Nickel	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Nitrogen (Total)	
Boulder - Big Timber	MT43B004_133	BOULDER RIVER, confluence of the	5	24.08	MILES	B-1	Р	F	F	Р	Copper	Coal Mining Discharges (Permitted)
		East Fork boulder River to Natural bridge and Falls	,								Excess Algal Growth	Hardrock Mining Discharges (Permitted)
											Iron	Source Unknown
											Lead	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Nitrogen (Total)	
											Phosphorus (Total)	
Boulder - Big Timber	MT43B004_134	BOULDER RIVER, headwaters to	4A	9.02	MILES	B-1	Р	F	N	F	Copper	Impacts from Abandoned Mine Lands (Inactive)
		confluence of East Fork Boulder River									Iron	
											Lead	
Boulder - Big Timber	MT43B004_141	EAST BOULDER RIVER, Elk Creek to	5	3.14	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Flow Alterations from Water Diversions
		mouth (Boulder River)									Low flow alterations	Source Unknown
											Other anthropogenic substrate alterations	Streambank Modifications/destablization
											Sedimentation/Siltation	
Boulder - Big Timber	MT43B004_142	EAST BOULDER RIVER, NF boundary	4C	3.07	MILES	B-1	Р	F	ı	Р	Chlorophyll-a	Agriculture
		to Elk Creek									Low flow alterations	Source Unknown
Yellowstone - Sweet Grass	MT43B004_150	SWEET GRASS CREEK, headwaters to mouth (Yellowstone River)	4C	79.33	MILES	B-1	Р	F	F	I	Alteration in stream-side or littoral vegetative covers	Agriculture
Boulder - Big Timber	MT43B005_010	BASIN CREEK, headwater to mouth (Boulder River)	4A	1.55	MILES	B-1	N	Х	Х	Х	Copper	
		(Dodiaei Kivei)									Iron	

### **Appendix A: Impaired Waters** Upper Yellowstone **HUC** 10070002 Upper Yellowstone Watershed TMDL Planning Area Waterbody Name/Location Category Size ID305B Use Units AqL AG DW Rec Cause Name Source Name Class Boulder - Big Timber MT43B005\_010 BASIN CREEK, headwater to mouth MILES 4A 1.55 B-1 $N \quad X \quad X \quad X$ Lead (Boulder River)

<b>HUC</b> 10070003	Shields	Water	shed	Upper	Yellows	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Shields	MT43A001_011	SHIELDS RIVER, Cottonwood Creek to mouth (Yellowstone River)	4A	18.99	MILES	B-1	Р	х	х	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations Physical substrate habitat alterations Sedimentation/Siltation	Agriculture Impacts from Hydrostructure Flow Regulation/modification Streambank Modifications/destablization
Shields	MT43A001_012	SHIELDS RIVER, headwaters to Cottonwood Creek	4A	44.99	MILES	B-1	Р	x	X	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations Physical substrate habitat alterations Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones Impacts from Hydrostructure Flow Regulation/modification Silviculture Activities Streambank Modifications/destablization
Shields	MT43A002_010	POTTER CREEK, headwaters to the mouth (Flathead Creek), T3N R9E S18	4A	27.76	MILES	B-1	Р	F	F	F	Low flow alterations Sedimentation/Siltation Solids (Suspended/Bedload)	Impacts from Hydrostructure Flow Regulation/modification
Shields	MT43A002_020	ANTELOPE CREEK, headwaters to mouth (Shields River)	5	10.37	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Excess Algal Growth Solids (Suspended/Bedload)	Agriculture Livestock (Grazing or Feeding Operations) Source Unknown
Shields	MT43A002_031	COTTONWOOD CREEK, confluence of Trespass Creek to mouth (Shields River		18.32	MILES	B-1	Р	F	F	Р	Low flow alterations	Irrigated Crop Production
Shields	MT43A002_040	ELK CREEK, headwaters to mouth (Shields River)	4C	3.83	MILES	B-1	Р	X	Х	Х	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
Shields	MT43A002_051	ROCK CREEK, National Forest boundar to mouth (Shields River)	ry 4C	14.34	MILES	B-1	Р	F	F	Р	Low flow alterations	Flow Alterations from Water Diversions

<b>HUC</b> 10070004	Upper Yellowstor	ne-Lake Basin Waters	shed	Upper `	Yellowsto	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Yellowstone River	MT43F001_011	YELLOWSTONE RIVER, City of Laurel PWS to City of Billings PWS	5	19.7	MILES	B-2	N	F	ı	N	Cause Unknown	Channelization
		FWS to City of Billings FWS									Chlorophyll-a	Crop Production (Crop Land or Dry Land)
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Municipal Point Source Discharges
											Oil and Grease	Pipeline Breaks
											Other anthropogenic substrate alterations	Streambank Modifications/destablization
											Physical substrate habitat alterations	
Yellowstone - Sweet Grass	MT43F002_010	DUCK CREEK, headwaters to mouth (Yellowstone River)	5	14.13	MILES	B-2	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Channelization
		(Tellowstoffe Titvel)									Low flow alterations	Drought-related Impacts
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
Yellowstone - Sweet Grass	MT43F002_021	CANYON CREEK, highway 532 to mouth (Yellowstone River)	ı 4C	19.6	MILES	B-1	Р	Х	Х	Х	Other flow regime alterations	Flow Alterations from Water Diversions
Yellowstone - Sweet Grass	MT43F002_022	CANYON CREEK, headwaters to	5	29.7	MILES	B-2	Р	F	F	F	Alteration in stream-side or littoral	Agriculture
		highway 532									vegetative covers Low flow alterations	Channelization
											Oxygen, Dissolved	Drought-related Impacts
											Sedimentation/Siltation	
Yellowstone - Sweet Grass	MT43F002_040	VALLEY CREEK, headwaters to mouth	5	14.75	MILES	B-2	Р	F	F	F	Alteration in stream-side or littoral	Agriculture
		(Yellowstone River)									vegetative covers Benthic-Macroinvertebrate	Channelization
											Bioassessments Other flow regime alterations	Drought-related Impacts
											Oxygen, Dissolved	Irrigated Crop Production
											Sedimentation/Siltation	Loss of Riparian Habitat
Lake Basin - Spidel	MT43F003_010	BIG LAKE	5	2806	ACRES	B-2	N	N	N	Х	Salinity	Agriculture
Lake Basin - Spidel	MT43F003_020	HAILSTONE LAKE, T3N R20E S13	5	538	ACRES	B-2	Р	N	N	X	Salinity	Agriculture
Lake Basin - Spidel	MT43F003_030	HALFBREED LAKE, T3N R21E S33	5	278	ACRES	B-2	Р	Р	Р	х	Salinity	Agriculture

<b>HUC</b> 10070005	Stillwater	Waters	shed	Upper	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Cooke City	MT43C001_010	STILLWATER RIVER, headwaters to	4A	21.69	MILES	B-1	Р	F	N	Х	Copper	Acid Mine Drainage
		Flood Creek									Iron	Highway/Road/Bridge Runoff (Non-construction
											Manganese	Related) Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation	Mine Tailings
											pH	Natural Sources
Stillwater - Columbus	MT43C001_020	STILLWATER RIVER, Forest Service Boundary to the mouth (Yellowstone	5	45.59	MILES	B-1	Р	F	N	F	Cadmium	Hardrock Mining Discharges (Permitted)
		River), T2S R20E S20									Chromium (total)	Impacts from Abandoned Mine Lands (Inactive)
											Copper	Natural Sources
											Cyanide	Source Unknown
											Mercury	Watershed Runoff following Forest Fire
											Nickel	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
Stillwater - Columbus	MT43C002_010	LODGEPOLE CREEK, headwaters to	5	5.91	MILES	B-1	Р	F	F	N	Chlorophyll-a	Irrigated Crop Production
		mouth (Castle Creek)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Rangeland Grazing
												Source Unknown
Stillwater - Columbus	MT43C002_020	BAD CANYON CREEK, headwaters to mouth (Stillwater River)	4C	11.34	MILES	B-1	F	F	F	P	Chlorophyll-a	Rangeland Grazing
Stillwater - Columbus	MT43C002_030	CASTLE CREEK, headwaters to the	5	8.29	MILES	B-1	Р	F	F	N	Chlorophyll-a	Livestock (Grazing or Feeding Operations)
		mouth (Limestone Creek), T4S R15E S29									Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
												Upstream Source
Stillwater - Columbus	MT43C002_041	GROVE CREEK, confluence of South	5	5.23	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		Fork Grove Creek, T4S R18E S13 to the mouth (Stillwater River), T3S R18E S34									vegetative covers Chlorophyll-a	Irrigated Crop Production
											Phosphorus (Total)	Loss of Riparian Habitat
											Sedimentation/Siltation	Natural Sources
Stillwater - Columbus	MT43C002_050	FISHTAIL CREEK, headwaters to mouth	5	14.8	MILES	B-1	Р	F	F	F	Iron	Source Unknown
		(West Rosebud Creek)									Lead	
Stillwater - Columbus	MT43C002_070	JOE HILL CREEK, headwaters to mouth (Stillwater River)	5	13.16	MILES	B-1	Р	F	F	N	Chlorophyll-a	Flow Alterations from Water Diversions

<b>HUC</b> 10070005	Stillwater	Water	shed	Upper '	Yellowst	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Stillwater - Columbus	MT43C002_070	JOE HILL CREEK, headwaters to mouth (Stillwater River)	5	13.16	MILES	B-1	Р	F	F	N	Low flow alterations Sedimentation/Siltation	Irrigated Crop Production
Stillwater - Columbus	MT43C002_081	BUTCHER CREEK, highway 78 to mouth (Rosebud Creek)	h 5	22.02	MILES	B-1	P	F	F	X	High Flow Regime Physical substrate habitat alterations Solids (Suspended/Bedload)	Streambank Modifications/destablization  Transfer of Water from an Outside Watershed
Stillwater - Columbus	MT43C002_082	BUTCHER CREEK, headwaters to highway 78	5	4.98	MILES	B-1	P	F	F	P	Chlorophyll-a Fish-Passage Barrier Phosphorus (Total) Sedimentation/Siltation Solids (Suspended/Bedload)	Hydrostructure Impacts on Fish Passage Natural Sources Source Unknown
Stillwater - Columbus	MT43C002_090	WEST ROSEBUD CREEK, headwaters to mouth (Rosebud Creek)	5	40.45	MILES	B-1	Р	F	F	F	Benthic-Macroinvertebrate Bioassessments	Source Unknown
Stillwater - Columbus	MT43C002_100	ROSEBUD CREEK, East and West Branches to mouth (Stillwater River)	5	3.93	MILES	B-1	Р	F	F	F	Benthic-Macroinvertebrate Bioassessments	Source Unknown
Cooke City	MT43C002_140	DAISY CREEK, headwaters to mouth (Stillwater River)	4A	1.94	MILES	B-1	N	N	N	N	Aluminum Cadmium Copper Iron Lead Manganese Sedimentation/Siltation Zinc	Acid Mine Drainage  Highway/Road/Bridge Runoff (Non-construction Related)  Impacts from Abandoned Mine Lands (Inactive)  Mine Tailings  Natural Sources
											рН	

<b>HUC</b> 10070006	Clarks Fork Yell	owstone Water	shed	Upper	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clarks Fork Yellowstone	MT43D001_011	CLARKS FORK YELLOWSTONE	5	46.22	MILES	B-2	Р	Р	ı	Р	Ammonia (Total)	Habitat Modification - other than Hydromodification
		RIVER, Bridger Creek to mouth (Yellowstone River)									Chlorophyll-a	Impacts from Hydrostructure Flow
											Copper	Regulation/modification Irrigated Crop Production
											Iron	Source Unknown
											Lead	Streambank Modifications/destablization
											Low flow alterations	
											Mercury	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Solids (Suspended/Bedload)	
											Temperature, water	
Cooke City	MT43D001_020	CLARKS FORK YELLOWSTONE	4A	5.06	MILES	B-1	Р	F	F	Х	Cadmium	Acid Mine Drainage
		RIVER, headwaters to Montana Border									Copper	Impacts from Abandoned Mine Lands (Inactive)
											Lead	Mine Tailings
											Silver	
											Zinc	
											pH	
Clarks Fork Yellowstone	MT43D002_010	ELBOW CREEK, headwaters to mouth (Clarks Fork)	5	38.57	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Animal Feeding Operations (NPS)
		•									Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Irrigated Crop Production
											Nitrogen (Total)	Rangeland Grazing
											Sedimentation/Siltation	
											Solids (Suspended/Bedload)	
Clarks Fork Yellowstone	MT43D002_020	BEAR CREEK, headwaters to mouth (Clarks Fork)	5	21.14	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral vegetative covers	Impacts from Abandoned Mine Lands (Inactive)
		(Olaino I Oln)									Chlorophyll-a	Irrigated Crop Production

<b>HUC</b> 10070006	Clarks Fork Yel	lowstone Waters	shed	Upper	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clarks Fork Yellowstone	MT43D002_020	BEAR CREEK, headwaters to mouth	5	21.14	MILES	B-1	N	F	F	N	High Flow Regime	Loss of Riparian Habitat
		(Clarks Fork)									Iron	Rangeland Grazing
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Transfer of Water from an Outside Watershed
											Phosphorus (Total)	
											Sedimentation/Siltation	
Clarks Fork Yellowstone	MT43D002_031	BLUEWATER CREEK, mouth to 9 miles upstream (Clarks Fork Yellowstone	5	11.41	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Agriculture
		River)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Animal Feeding Operations (NPS)
											Phosphorus (Total)	Aquaculture (Permitted)
											Sedimentation/Siltation	Irrigated Crop Production
											Solids (Suspended/Bedload)	
Clarks Fork Yellowstone	MT43D002_050	RED LODGE CREEK, headwaters to	4C	17.93	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Crop Production (Crop Land or Dry Land)
		Cooney Reservoir									vegetative covers	Grazing in Riparian or Shoreline Zones
Clarks Fork Yellowstone	MT43D002_060	RED LODGE CREEK, Cooney Reservoir to mouth (Rock Creek)	r 5	12.07	MILES	B-1	Р	Х	Х	Х	Organic Enrichment (Sewage) Biological Indicators Other flow regime alterations	Impacts from Hydrostructure Flow Regulation/modification Streambank Modifications/destablization
											Physical substrate habitat alterations	
Clarks Fork Yellowstone	MT43D002_070	WILLOW CREEK, headwaters to mouth	5	36.46	MILES	B-1	Р	Х	Х	Х	Low flow alterations	Irrigated Crop Production
		(Cooney Reservoir)									Sedimentation/Siltation	
Clarks Fork Yellowstone	MT43D002_080	WEST RED LODGE CREEK, Absaroka-		14.39	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Natural Sources
		Beartooth Wilderness boundary to mouth (Red Lodge Creek)	1									Source Unknown
Clarks Fork Yellowstone	MT43D002_100	SILVERTIP CREEK, state line to mouth	5	21.77	MILES	B-1	N	Р	N	F	Alteration in stream-side or littoral	Channelization
		(Clarks Fork)									vegetative covers Nitrogen (Total)	Dam or Impoundment
											Other flow regime alterations	Grazing in Riparian or Shoreline Zones
											Oxygen, Dissolved	Loss of Riparian Habitat
											Phosphorus (Total)	Natural Sources
											Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems) Solids (Suspended/Bedload)	Petroleum/natural Gas Production Activities (Permitted) Pipeline Breaks

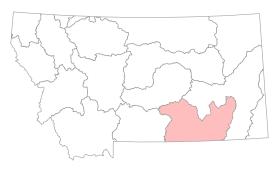
<b>HUC</b> 10070006	Clarks Fork Yel	llowstone Water	shed	Upper	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clarks Fork Yellowstone	MT43D002_100	SILVERTIP CREEK, state line to mouth	5	21.77	MILES	B-1	N	Р	N	F	Specific Conductance	Rangeland Grazing
		(Clarks Fork)									Temperature, water	Upstream Source
											Total Dissolved Solids	
											Turbidity	
Cooke City	MT43D002_110	FISHER CREEK, headwaters to mouth (Clarks Fork Yellowstone River)	4A	3.34	MILES	B-1	N	Р	N	Р	Aluminum	Acid Mine Drainage
		(Clarks Fork Tellowstone Kiver)									Cadmium	Highway/Road/Bridge Runoff (Non-construction Related)
											Copper	Impacts from Abandoned Mine Lands (Inactive)
											Iron	Mine Tailings
											Lead	
											Manganese	
											Sedimentation/Siltation	
											Silver	
											Zinc	
											pH	
Clarks Fork Yellowstone	MT43D002_120	ROCK CREEK, Red Lodge Creek to mouth (Clarks Fork)	4C	16.02	MILES	B-1	Р	Х	Х	Р	Low flow alterations	Flow Alterations from Water Diversions
		moun (Clarks Fork)										Irrigated Crop Production
Clarks Fork Yellowstone	MT43D002_131	ROCK CREEK, West Fork Rock Creek t	o 4C	27.47	MILES	B-1	Р	Χ	Х	Р	Low flow alterations	Flow Alterations from Water Diversions
		Red Lodge Creek										Irrigated Crop Production
Clarks Fork Yellowstone	MT43D002_140	COTTONWOOD CREEK, headwaters to	5	19.57	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Agriculture
		the mouth (Clarks Fork of Yellowstone), T3S R24E S24									vegetative covers Oxygen, Dissolved	Drought-related Impacts
											Solids (Suspended/Bedload)	Grazing in Riparian or Shoreline Zones
Clarks Fork Yellowstone	MT43D002_180	SOUTH FORK BRIDGER CREEK,	5	9.39	MILES	B-1	N	F	N	F	Arsenic	Grazing in Riparian or Shoreline Zones
		tributary to Bridger Creek									Iron	Natural Sources
											Sedimentation/Siltation	Source Unknown

# Upper Yellowstone River-Pompeys Pillar Lower Tongue River Rosebud Creek Little Pryor Lower Bighorn River Creek Bighorn River Shoshone Bigh Horn Lake Upper Tongue River River

# Middle Yellowstone Sub-Major Basin

Yellowstone River Basin

USGS HUC	HUC NAME
10070007	Upper Yellowstone River-Pompeys Pillar
10070008	Pryor Creek
10080010	Big Horn Lake
10080014	Shoshone River
10080015	Lower Bighorn River
10080016	Little Bighorn River
10090101	Upper Tongue River
10090102	Lower Tongue River
10100003	Rosebud Creek



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<b>HUC</b> 10070007	Upper Yellowsto	one-Pompeys Pillar Waters	shed	Middle	Yellows	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Yellowstone River	MT43F001_010	YELLOWSTONE RIVER, City of Billings PWS to Huntley Diversion Dam	5	10.7	MILES	B-3	N	F	N	N	Arsenic	Agriculture
		,									Benthic-Macroinvertebrate Bioassessments	Municipal Point Source Discharges
											Dissolved oxygen saturation	Natural Sources
											Excess Algal Growth	Pipeline Breaks
										Nutrient/Eutrophication Biological Indicators Oil and Grease		
											Periphyton (Aufwuchs) Indicator Bioassessments Solids (Suspended/Bedload)	
Yellowstone River	MT43Q001_011	YELLOWSTONE RIVER, Huntley	5	58.82	MILES	B-3	Р	1	1	N	Ammonia (Un-ionized)	Agriculture
		Diversion Dam to mouth of Big Horn River									Oil and Grease	Industrial Point Source Discharge
											Sedimentation/Siltation Irrigated Crop Production	Irrigated Crop Production
											Total Dissolved Solids	Municipal Point Source Discharges
												Natural Sources
												Pipeline Breaks
Yellowstone - Lower	MT43Q002_010	FLY CREEK, Crow Indian Reservation	5	55.68	MILES	C-3	N			N	Alteration in stream-side or littoral	Agriculture
Bighorn		boundary to mouth (Yellowstone River)									vegetative covers Chlorophyll-a	Dam or Impoundment
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Drought-related Impacts
											Nitrogen (Total)	Loss of Riparian Habitat
											Oxygen, Dissolved	
Lake Basin - Spidel	MT43Q003_010	SPIDEL WATERFOWL PRODUCTION AREA, T5N R23E S33	5	2.3	ACRES	B-1	Р	Р	Р	х	Other anthropogenic substrate alterations Salinity Selenium	Highways, Roads, Bridges, Infrasturcture (New Construction) Non-irrigated Crop Production

<b>HUC</b> 10070008	Pryor	Water	shed	d Middle Yellowstone								
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Yellowstone - Lower Bighorn	MT43E001_010	PRYOR CREEK, Interstate 90 bridge to mouth (Yellowstone River)	5	14.98	MILES	C-3	Р			Р	Benthic-Macroinvertebrate Bioassessments Low flow alterations	Flow Alterations from Water Diversions Irrigated Crop Production Source Unknown
'ellowstone - Lower Bighorn	MT43E001_011	PRYOR CREEK, Crow Reservation Boundary to Interstate 90 bridge	5	2.88	MILES	B-1	Р	F	F	P	Excess Algal Growth  Low flow alterations  Sedimentation/Siltation	Agriculture Flow Alterations from Water Diversions Natural Sources Sources Outside State Jurisdiction or Borders Upstream Source

#### **Appendix A: Impaired Waters HUC** 10080010 Bighorn Lake Watershed Middle Yellowstone TMDL Planning Area Waterbody Name/Location ID305B Category Size Units Use AqL AG DW Rec Cause Name Source Name Class Bighorn Lake - Shoshone MT43P002\_010 CROOKED CREEK, headwaters to 4C MILES Physical substrate habitat alterations 15.07 B-1 $\mathsf{P} \quad \mathsf{X} \quad \mathsf{X} \quad \mathsf{X}$ Agriculture Wyoming Border

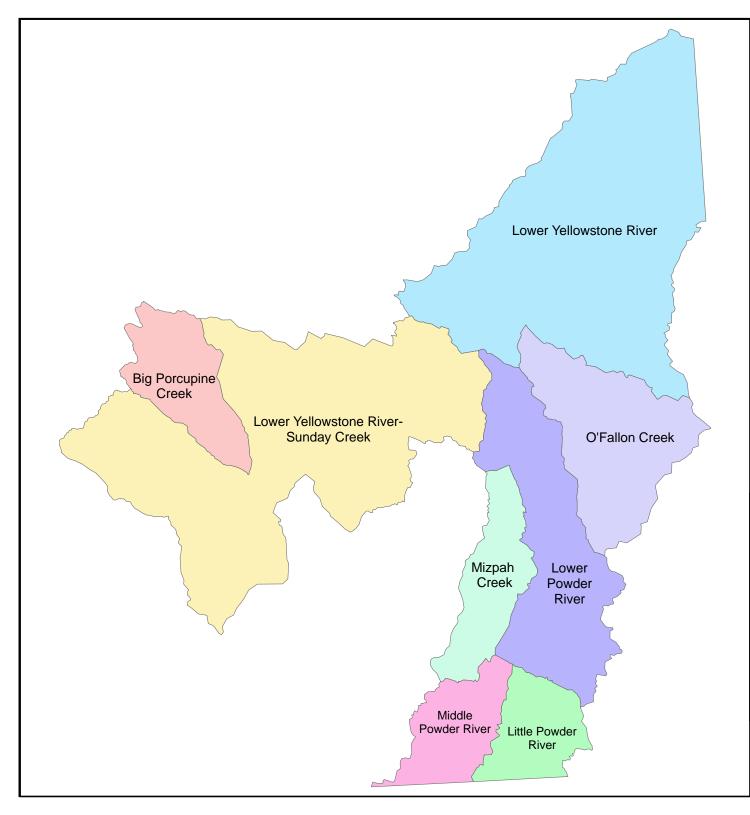
<b>HUC</b> 10080015	Lower Bighorn	Waters	shed	Middle	Yellows	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Yellowstone - Lower Bighorn	MT43R001_010	BIGHORN RIVER, Crow Indian Res. Boundary to mouth (Yellowstone River)	5	35.27	MILES	B-2	Х	F	N	Х	Lead Mercury	Source Unknown
Bighorn Lake - Shoshone	MT43R001_020	BIGHORN RIVER, Yellowtail Dam to Crow Indian Reservation boundary	5	44.03	MILES	B-1	Р	F	Х	X	Nitrogen (Total)	Source Unknown
Yellowstone - Lower Bighorn	MT43R002_010	TULLOCK CREEK, Crow Indian Reservation Boundary to mouth (Bighorn River)	5	58.83	MILES	C-3	Р			F	Alteration in stream-side or littoral vegetative covers Iron	Dam or Impoundment  Flow Alterations from Water Diversions
											Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Loss of Riparian Habitat
											Phosphorus (Total)	Natural Sources
											Sedimentation/Siltation	Rangeland Grazing

<b>HUC</b> 10090101	Upper Tongue	Water	shed	Middle	Yellows	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Tongue	MT42B001_010	TONGUE RIVER, Wyoming border to Tongue River Reservoir	5	5.9	MILES	B-2	N	F	F	F	Iron Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production Natural Sources
												Natural Sources  Streambank Modifications/destablization
Tongue	MT42B001_020	TONGUE RIVER, Tongue River Dam to Prairie Dog Creek	4C	22.05	MILES	B-2	N	F	F	I	Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
												Streambank Modifications/destablization
Tongue	MT42B001_021	TONGUE RIVER, Prairie Dog Creek to Hanging Woman Creek	4C	12.27	MILES	B-3	N	I	I	I	Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production
												Streambank Modifications/destablization
Tongue	MT42B002_031	HANGING WOMAN CREEK, Stroud	5	18.27	MILES	C-3	N	N		1	Iron	Grazing in Riparian or Shoreline Zones
		Creek to mouth (Tongue River)									Low flow alterations	Irrigated Crop Production
											Salinity	Natural Sources
											Sedimentation/Siltation	Rangeland Grazing
												Streambank Modifications/destablization
Tongue	MT42B002_032	HANGING WOMAN CREEK, Wyoming	5	31.37	MILES	C-3	N	N		1	Low flow alterations	Irrigated Crop Production
		border to Stroud Creek									Salinity	Natural Sources
Tongue	MT42B003_010	TONGUE RIVER RESERVOIR	5	3500	ACRES	B-2	N	1	ı	I	Chlorophyll-a	Irrigated Crop Production
											Oxygen, Dissolved	Municipal Point Source Discharges
											Solids (Suspended/Bedload)	

<b>HUC</b> 10090102	Lower Tongue	Water	shed	Middle	Yellows	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Tongue	MT42C001_011	TONGUE RIVER, Twelve Mile Dam to	5	20.9	MILES	B-3	N	Р	N	1	Cadmium	Dam Construction (Other than Upstream Flood
		mouth (Yellowstone River)									Copper	Control Projects) Impacts from Hydrostructure Flow
											Iron	Regulation/modification Irrigated Crop Production
											Lead	Natural Sources
											Low flow alterations	Streambank Modifications/destablization
											Nickel	
											Salinity	
											Solids (Suspended/Bedload)	
											Sulfates	
											Zinc	
Tongue	MT42C001_013	TONGUE RIVER, Hanging Woman	5	74.97	MILES	B-3	Р	F	F	1	Iron	Impacts from Hydrostructure Flow
		Creek to Beaver Creek									Low flow alterations	Regulation/modification Irrigated Crop Production
											Solids (Suspended/Bedload)	Natural Sources
												Streambank Modifications/destablization
Tongue	MT42C001 014	TONGUE RIVER, Beaver Creek to	5	71.97	MILES	B-3	Р	F	F	1	Iron	Impacts from Hydrostructure Flow
Tongue	W11420001_014	Twelve Mile Dam, T6N R48E S29	J	71.57	WILLO	D-3		'		•	Low flow alterations	Regulation/modification
											Solids (Suspended/Bedload)	Irrigated Crop Production
											Solids (Suspended/Bedioad)	Natural Sources
												Streambank Modifications/destablization
Tongue	MT42C002_020	OTTER CREEK, headwaters to mouth (Tongue River)	5	108.1	MILES	C-3	N	N		I	Alteration in stream-side or littoral vegetative covers	Agriculture
		(Toligue Kivel)									Iron	Grazing in Riparian or Shoreline Zones
											Salinity	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Solids (Suspended/Bedload)	Natural Sources
												Site Clearance (Land Development or Redevelopment)
Tongue	MT42C002_061	PUMPKIN CREEK, headwaters to Little	5	87.68	MILES	C-3	N	N		1	Low flow alterations	Irrigated Crop Production
		Pumpkin Creek		27.00							Salinity	Natural Sources
											Temperature, water	

#### **Appendix A: Impaired Waters HUC** 10090102 Lower Tongue Watershed Middle Yellowstone Waterbody Name/Location TMDL Planning Area ID305B Category Size Units Use AqL AG DW Rec Cause Name Source Name Class MT42C002\_062 PUMPKIN CREEK, Little Pumpkin Creek 5 MILES C-3 Low flow alterations Irrigated Crop Production Tongue 92.19 N N to the mouth (Tongue River) Salinity Natural Sources Temperature, water

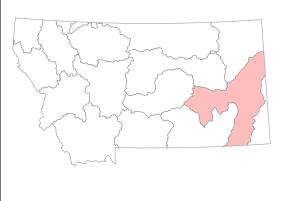
<b>HUC</b> 10100003	Rosebud	Waters	shed	Middle	Yellows	tone				
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL AG DW	Rec	Cause Name	Source Name
Rosebud	MT42A001_011	ROSEBUD CREEK, From the mouth 3.8 mi upstream to an irrigation dam	4C	4.46	MILES	C-3	Р	Х	Physical substrate habitat alterations	Loss of Riparian Habitat
Rosebud	MT42A001_012	ROSEBUD CREEK, Northern Cheyenne Reservation boundary to an irrigation dam 3.8 mi above the mouth	5	111.56	MILES	C-3	Р	X	Other	Dam Construction (Other than Upstream Flood Control Projects)



# **Lower Yellowstone Sub-Major Basin**

Yellowstone River Basin

USGS HUC	HUC NAME
10090207	Middle Powder River
10090208	Little Powder River
10090209	Lower Powder River
10090210	Mizpah Creek
10100001	Lower Yellowstone
	River-Sunday River
10100002	Big Porcupine Creek
10100004	Lower Yellowstone River
10100005	O'Fallon Creek



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#### **Appendix A: Impaired Waters HUC** 10090207 Middle Powder Watershed Lower Yellowstone Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class MT42J001\_010 POWDER RIVER, Wyoming border to 5 MILES C-3 Salinity Natural Sources Powder 78.21 X N Χ Little Powder River Source Unknown

#### **Appendix A: Impaired Waters HUC** 10090208 Little Powder Watershed Lower Yellowstone Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class MT42I001\_010 LITTLE POWDER RIVER, the border to 5 63.31 MILES C-3 Salinity Natural Sources Powder X N Χ mouth (Powder River) Source Unknown

<b>HUC</b> 10090209	Lower Powder	Waters	shed	Lower	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Powder	MT42J003_011	POWDER RIVER, Little Powder River to Mizpah Creek	5	99	MILES	C-3	х	N		Х	Salinity	Natural Sources Source Unknown
Powder	MT42J003_012	POWDER RIVER, Mizpah Creek to mouth (Yellowstone River)	5	45.33	MILES	C-3	Х	N		Х	Salinity	Natural Sources Source Unknown
Powder	MT42J004_010	STUMP CREEK, headwaters to mouth	5	29.77	MILES	C-3	Х	N		х	Salinity	Natural Sources

<b>HUC</b> 10090210	JC 10090210 Mizpah Watershed Lower Yellowstone											
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Powder	MT42J005_011	MIZPAH CREEK, headwaters to Corral Creek	5	131.98	MILES	C-3	Х	N		х	Salinity	Natural Sources
Powder	MT42J005_012	MIZPAH CREEK, Corral Creek to the mouth (Powder River)	5	22.98	MILES	C-3	Χ	N		Х	Salinity	Natural Sources

<b>HUC</b> 10100001	Lower Yellowsto	one-Sunday Waters	shed	Lower	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Yellowstone River	MT42K001_010	YELLOWSTONE RIVER, the Cartersville	5	88.73	MILES	B-3	Р	ı	ı	1	Alteration in stream-side or littoral	Agriculture
		Diversion Dam to Powder River									vegetative covers Copper	Irrigated Crop Production
											Lead	Municipal Point Source Discharges
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Natural Sources
											Solids (Suspended/Bedload)	Post-development Erosion and Sedimentation
											Total Dissolved Solids	Rangeland Grazing
											Zinc	Source Unknown
											рН	Streambank Modifications/destablization
Yellowstone River	MT42K001_020	YELLOWSTONE RIVER, the Big Horn to Cartersville Diversion Dam	4C	59.51	MILES	B-3	Р	F	Х	Х	Fish-Passage Barrier	Dam Construction (Other than Upstream Flood Control Projects)
Middle Yellowstone	MT42K002_020	HARRIS CREEK, headwaters to mouth (Yellowstone River)	5	27.39	MILES	C-3	Р			Р	Chlorophyll-a	Grazing in Riparian or Shoreline Zones
ributaries	s (Tellowsione River)	(Yellowstorie River)									Other flow regime alterations	Livestock (Grazing or Feeding Operations)
										Phosphorus (Total)	Natural Sources	
											Solids (Suspended/Bedload)	Transfer of Water from an Outside Watershed
/liddle Yellowstone	MT42K002_030	SUNDAY CREEK, the North and South	5	15.28	MILES	C-3	Р			Р	Chlorophyll-a	Irrigated Crop Production
nbutaries		Forks to mouth (Yellowstone River)									Copper	Natural Sources
											Iron	Non-irrigated Crop Production
											Lead	Rangeland Grazing
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
											Nitrogen (Total)	
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Total Kjehldahl Nitrogen (TKN)	
Middle Yellowstone Tributaries	MT42K002_040	MUSTER CREEK, headwaters to mouth	5	31.39	MILES	C-3	Р			N	Chlorophyll-a	Irrigated Crop Production
Tibulaties		(Yellowstone River)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Transfer of Water from an Outside Watershed
											Other flow regime alterations	
											Phosphorus (Total)	
											Solids (Suspended/Bedload)	

<b>HUC</b> 10100001	Lower Yellowsto	one-Sunday Water	shed	Lower	Yellowst	tone						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Yellowstone Tributaries	MT42K002_060	DEADMAN CREEK, headwaters to mouth (North Fork Sunday Creek)	5	17.28	MILES	C-3	Р			F	Nitrogen (Total)	Source Unknown
Tributaries		mount (Notiff of Sunday Cleek)									Phosphorus (Total)	
Middle Yellowstone Tributaries	MT42K002_070	STELLAR CREEK, headwaters to mouth (Little Porcupine Creek)	n 5	42.96	MILES	C-3	N			N	Cadmium	Rangeland Grazing
Tributarios		(Entire Foroupino Orock)									Chlorophyll-a	Source Unknown
											Phosphorus (Total)	
											pH	
Middle Yellowstone Tributaries	MT42K002_080	NORTH FORK SUNDAY CREEK, Custer/Rosebud County border to mouth	5	33.76	MILES	C-3	Р			F	Sedimentation/Siltation	Channelization
Tributaries		(Sunday Creek)	•								Sodium	Crop Production (Crop Land or Dry Land)
											Solids (Suspended/Bedload)	Natural Sources
											Specific Conductance	
											Total Dissolved Solids	
Middle Yellowstone Tributaries	MT42K002_090	SARPY CREEK, Crow Indian Reservation Boundary to mouth (Yellowstone River)	5	89.35	MILES	C-3	Р			F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
Tributaries											Nitrogen (Total)	Non-irrigated Crop Production
											Phosphorus (Total)	
											Total Kjehldahl Nitrogen (TKN)	
Middle Yellowstone Tributaries	MT42K002_110	EAST FORK ARMELLS CREEK, Colstripto mouth (Armells Creek)	p 5	32.36	MILES	C-3	Р			F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Agriculture
Tributaries		to mouth (Armens Creek)									Nitrogen (Total)	Coal Mining
											Specific Conductance	Transfer of Water from an Outside Watershed
											Total Dissolved Solids	
Middle Yellowstone	MT42K002_160	LITTLE PORCUPINE CREEK,	5	118.8	MILES	C-3	Р			Р	Chlorophyll-a	Rangeland Grazing
Tributaries		headwaters to mouth (Yellowstone River	·)								Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
											Nitrogen (Total)	
											Phosphorus (Total)	
											Total Dissolved Solids	
Middle Yellowstone Tributaries	MT42K002_170	EAST FORK ARMELLS CREEK, headwaters to Colstrip	4C	24.67	MILES	C-3	Р			F	Alteration in stream-side or littoral vegetative covers	Surface Mining

HUC 10100004 Lower Yellowstone		one <b>Water</b>	shed	ed Lower Yellowstone										
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name		
Yellowstone River	MT42M001_011	YELLOWSTONE RIVER, Lower Yellowstone Diversion Dam to North Dakota border	5	53.67	MILES	B-3	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Chromium (total)	Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production		
											Copper	Natural Sources		
											Fish-Passage Barrier	Rangeland Grazing		
											Lead	Source Unknown		
											Nitrogen (Total)	Streambank Modifications/destablization		
											Phosphorus (Total)			
											Sedimentation/Siltation			
											Total Dissolved Solids			
											рН			
Yellowstone River	MT42M001_012	YELLOWSTONE RIVER, Powder River to Lower Yellowstone Diversion Dam	4C	76.73	MILES	B-3	Р	F	Х	Х	Fish-Passage Barrier	Dam Construction (Other than Upstream Flood Control Projects)		
Lower Yellowstone	MT42M002_010	BENNIE PEER CREEK, North Dakota	4C	10.17	MILES	C-3	Р			Р	Alteration in stream-side or littoral	Channelization		
		border to mouth (Yellowstone River)									vegetative covers  Low flow alterations	Highways, Roads, Bridges, Infrasturcture (New		
											Physical substrate habitat alterations	Construction) Irrigated Crop Production		
Lower Yellowstone	MT42M002_020	FOURMILE CREEK, headwaters to North Dakota border	5	29.74	MILES	C-3	Р			N	Chlorophyll-a	Dam or Impoundment		
		Notti Dakota bordei									Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown		
											Nitrogen (Total)			
											Other flow regime alterations			
											Total Dissolved Solids			
Lower Yellowstone	MT42M002_030	FIRST HAY CREEK, headwaters to	5	33.37	MILES	C-3	Р			Р	Copper	Hydrostructure Impacts on Fish Passage		
		mouth (Yellowstone River)									Fish-Passage Barrier	Irrigated Crop Production		
											Iron	Source Unknown		
											Lead	Transfer of Water from an Outside Watershed		
											Nitrate/Nitrite (Nitrite + Nitrate as N)			
											Nitrogen (Total)			
											Other flow regime alterations			
											Phosphorus (Total)			

<b>HUC</b> 101	100004	Lower Yellowsto	one Wate	rshed	Lower	Yellowst	one						
TMDL Plannir	ng Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Yellowst	tone	MT42M002_030	FIRST HAY CREEK, headwaters to	5	33.37	MILES	C-3	Р			Р	Solids (Suspended/Bedload)	
			mouth (Yellowstone River)									Total Dissolved Solids	
Lower Yellowst	tone	MT42M002_040	LONE TREE CREEK, confluence of	5	17.27	MILES	C-3	Р			Р	Alteration in stream-side or littoral	Channelization
			North Fork to mouth (Yellowstone River	)								vegetative covers Chlorophyll-a	Habitat Modification - other than Hydromodification
												Iron	Irrigated Crop Production
												Nitrate/Nitrite (Nitrite + Nitrate as N)	
												Other flow regime alterations	
												Solids (Suspended/Bedload)	
Lower Yellowst	tone	MT42M002_051	FOX CREEK, headwaters to mouth	5	49.85	MILES	B-2	Р	Р	N	Р	Arsenic	Channelization
			(Yellowstone River), T22N R59E S19									Excess Algal Growth	Irrigated Crop Production
											Iron	Natural Sources	
											Lead	Source Unknown	
												Low flow alterations	
												Mercury	
												Nitrogen (Total)	
												Phosphorus (Total)	
												Physical substrate habitat alterations	
												Solids (Suspended/Bedload)	
												Sulfates	
												Total Dissolved Solids	
Lower Yellowst	tone	MT42M002_052	NORTH FORK FOX CREEK, headwate	rs 5	20.32	MILES	B-2	Р	Р	N	Р	Arsenic	Channelization
			to mouth (Fox Creek), T22N R58E S21									Excess Algal Growth	Irrigated Crop Production
												Iron	Natural Sources
												Lead	Source Unknown
												Low flow alterations	
												Mercury	
											Nitrogen (Total)		

<b>HUC</b> 10100004	Lower Yellowsto	one Waters	shed	Lower	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Yellowstone	MT42M002_052	NORTH FORK FOX CREEK, headwaters	s 5	20.32	MILES	B-2	Р	Р	N	Р	Phosphorus (Total)	
		to mouth (Fox Creek), T22N R58E S21									Physical substrate habitat alterations	
											Solids (Suspended/Bedload)	
											Sulfates	
											Total Dissolved Solids	
Lower Yellowstone	MT42M002_060	O'BRIEN CREEK, state line to mouth (Yellowstone River)	5	15.53	MILES	C-3	N			Р	Excess Algal Growth	Animal Feeding Operations (NPS)
		(Tellowstoffe faver)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Irrigated Crop Production
											Selenium	
Lower Yellowstone	MT42M002_070	CRANE CREEK, headwaters to mouth	5	24.25	MILES	C-3	Р			F	Alteration in stream-side or littoral	Channelization
		(Yellowstone River)									vegetative covers Other flow regime alterations	Irrigated Crop Production
											Sedimentation/Siltation	
Lower Yellowstone	MT42M002_080	SMITH CREEK, headwaters to mouth (Yellowstone River)	4C	45.57	MILES	C-3	Р			F	Fish-Passage Barrier	Low Water Crossing
Lower Yellowstone	MT42M002_100	COTTONWOOD CREEK, headwaters to mouth (Yellowstone River)	5	21.99	MILES	C-3	N			F	Cadmium	Channelization
		moun (renowstone River)									Fish-Passage Barrier	Flow Alterations from Water Diversions
											Iron	Hydrostructure Impacts on Fish Passage
											Physical substrate habitat alterations	Natural Sources
												Source Unknown
Lower Yellowstone	MT42M002_110	BURNS CREEK, headwaters to mouth (Yellowstone River)	5	53.66	MILES	C-3	Р			Р	Chlorophyll-a	Crop Production (Crop Land or Dry Land)
		(Yellowstorie River)									Fish-Passage Barrier	Hydrostructure Impacts on Fish Passage
											Iron	Irrigated Crop Production
											Nitrogen (Total)	Natural Sources
											Other flow regime alterations	
											Phosphorus (Total)	
											Solids (Suspended/Bedload)	
Lower Yellowstone	MT42M002_120	MORGAN CREEK, headwaters to mouth (Yellowstone River)	4C	19.8	MILES	C-3	Р			F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
Lower Yellowstone	MT42M002_130	GLENDIVE CREEK, headwaters to mouth (Yellowstone River)	5	55.89	MILES	C-3	N			F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 10100004	Lower Yellowsto	one <b>Water</b>	shed	Lower	Yellowst	one						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	. AG	DW	Rec	Cause Name	Source Name
Lower Yellowstone	MT42M002_130	GLENDIVE CREEK, headwaters to mouth (Yellowstone River)	5	55.89	MILES	C-3	N			F	Cadmium	Natural Sources
		modiff (Tellowstoffe River)									Chromium (total)	Source Unknown
											Copper	
											Iron	
											Lead	
											Nickel	
											Selenium	
											Solids (Suspended/Bedload)	
											Zinc	
Lower Yellowstone	MT42M002_141	CEDAR CREEK, 26 miles upstream to	5	27.49	MILES	C-3	Р			x	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		mouth (Yellowstone River)									vegetative covers Arsenic	Natural Sources
											Copper	Spills from Trucks or Trains
											Iron	
											Lead	
Lower Yellowstone	MT42M002_142	CEDAR CREEK, 26 to 45 miles above	5	20.13	MILES	C-3	Р			F	Copper	Natural Sources
		the mouth									Iron	
											Lead	
											Selenium	
Lower Yellowstone	MT42M002_150	CABIN CREEK, headwaters to mouth	5	102.54	MILES	C-3	N			F	Nitrogen (Total)	Dam or Impoundment
		(Yellowstone River)									Oxygen, Dissolved	Natural Sources
											Sedimentation/Siltation	Rangeland Grazing
Lower Yellowstone	MT42M002_180	SEARS CREEK, headwaters to mouth	5	15.15	MILES	C-3	N			N	Alteration in stream-side or littoral	Channelization
		(Yellowstone River)									vegetative covers Copper	Hydrostructure Impacts on Fish Passage
											Excess Algal Growth	Irrigated Crop Production
											Fish-Passage Barrier	Rangeland Grazing
											High Flow Regime	Source Unknown
											Iron	Transfer of Water from an Outside Watershed

Appendix A: In	npaired Wate	rs								
<b>HUC</b> 10100004	Lower Yellowsto	one Wate	rshed	Lower `	Yellowst	one				
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL AG	DW Red	Cause Name	Source Name
Lower Yellowstone	MT42M002_180	SEARS CREEK, headwaters to mouth (Yellowstone River)	5	15.15	MILES	C-3	N	N	Lead Solids (Suspended/Bedload)	

<b>HUC</b> 10100005	O` Fallon	Water	shed	Lower `	Yellowst	one				
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL AG DW	Rec	Cause Name	Source Name
O` Fallon	MT42L001_010	PENNEL CREEK, headwaters to mouth (O'Fallon Creek)	5	65.97	MILES	C-3	Р	F	Total Dissolved Solids	Source Unknown
O` Fallon	MT42L001_020	SANDSTONE CREEK, headwaters to mouth (O'Fallon Creek)	5	72.78	MILES	C-3	Р	F	Nitrate/Nitrite (Nitrite + Nitrate as N) Nitrogen (Total)	Agriculture  Municipal Point Source Discharges

## Beaver Creek (Little Missouri) Middle Little Missouri River Upper Little Missouri River **Boxelder Creek** (Little Missouri) Upper Little Lower Belle Missouri River Fourche River

# **Little Missouri Sub-Major Basin**

## **Yellowstone River Basin**

USGS HUC	HUC NAME
10110201	Upper Little Missouri River
10110202	Boxelder Creek (Little Missouri R)
10110203	Middle Little Missouri River
10110204	Beaver Creek (Little Missouri R)
10120202	Lower Belle Fourche River

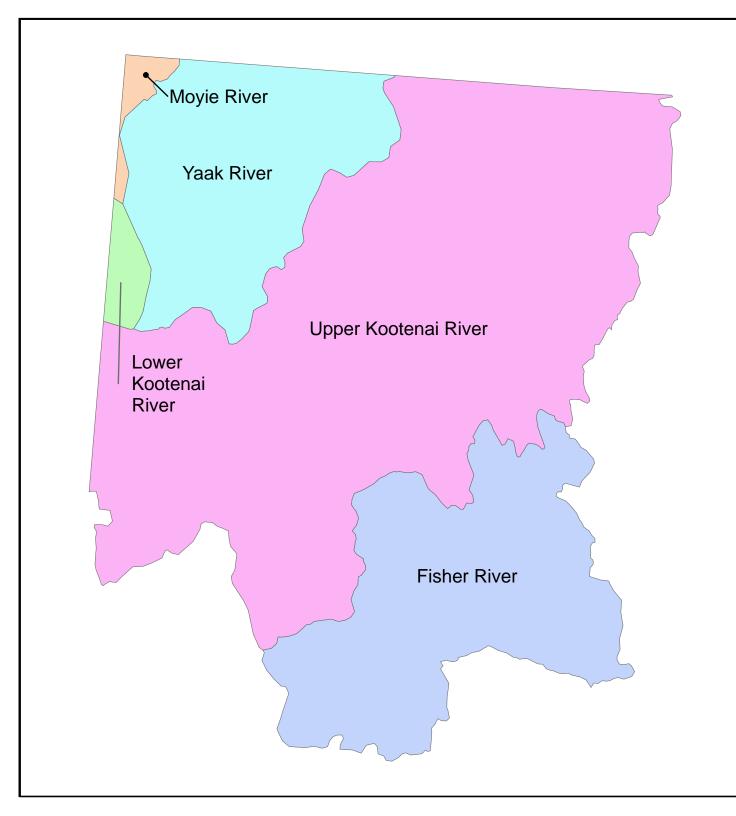


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<b>HUC</b> 10110201	Upper Little Miss	souri <b>Water</b>	shed	Little M	lissouri							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Little Missouri	MT39F001_010	THOMPSON CREEK, Wyoming border to mouth (Little Missouri River)	5	41.22	MILES	C-3	Р			Х	Cadmium	Natural Sources
											Iron	
											Zinc	
											Zinc	
Little Missouri	MT39F001_021	LITTLE MISSOURI RIVER, Highway 32	3 5	61.39	MILES	C-3	Р			F	Cadmium	Natural Sources
	bridge to South Dakota borde	bridge to South Dakota border									Copper	Source Unknown
											Iron	
											Lead	
											Zinc	
Little Missouri	MT39F001_022	LITTLE MISSOURI RIVER, Wyoming	5	44.75	MILES	C-3	Р			F	Cadmium	Agriculture
		border to the Highway 323 bridge									Copper	Natural Sources
											Lead	Source Unknown
											Nitrogen (Total)	
											Phosphorus (Total)	
											Zinc	

#### **Appendix A: Impaired Waters** Little Missouri **HUC** 10110204 Beaver Watershed Waterbody Name/Location TMDL Planning Area Category Size Use ID305B Units AqL AG DW Rec Cause Name Source Name Class Little Missouri MT39G002\_010 LAMESTEER NATIONAL WILDLIFE 80 ACRES C-3 Р Other Agriculture REFUGE, T12N R60E S15



# **Kootenai Sub-Major Basin**

## **Columbia River Basin**

17010101 Upper Kootenai River 17010102 Fisher River 17010103 Yaak River

17010104 Lower Kootenai River

17010105 Moyie River



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<b>HUC</b> 17010101	Upper Kootenai	Waters	shed	Kooter	nai							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Kootenai	MT76A001_010	KOOTENAI RIVER, confluence with	5	6.09	MILES	B-1	Р	F	F	F	Other flow regime alterations	Impacts from Hydrostructure Flow
		Yaak River to Idaho border									Temperature, water	Regulation/modification Upstream Impoundments (e.g., PI-566 NRCS Structures)
Kootenai	MT76D001_010	KOOTENAI RIVER, Libby Dam to Yaak River	5	44.64	MILES	B-1	Р	F	F	F	Other flow regime alterations	Impacts from Hydrostructure Flow Regulation/modification
											Temperature, water	Upstream Impoundments (e.g., PI-566 NRCS Structures)
Kootenai	MT76D002_010	STANLEY CREEK, headwater to confluence with Fairway Creek	5	3.95	MILES	B-1	Р	F	F	Х	Cause Unknown	Mine Tailings
											Copper	Streambank Modifications/destablization
											Nutrient/Eutrophication Biological Indicators	
Kootenai	MT76D002_020	DRY CREEK, 1 mile upstream from State	e 4C	2.1	MILES	B-1	Р	Х	Х	Р	Other flow regime alterations	Highways, Roads, Bridges, Infrasturcture (New
		Highway 56 to mouth (Lake Creek)									Physical substrate habitat alterations	Construction)
Kootenai	MT76D002_030	KEELER CREEK, headwaters to Lake	4C	9.15	MILES	B-1	Р	F	Х	F	Low flow alterations	Forest Roads (Road Construction and Use)
		Creek									Physical substrate habitat alterations	Silviculture Activities
Kootenai	MT76D002_040	SNOWSHOE CREEK, Cabinet Wilderness boundary to mouth (Big Cherry Creek)	5	3.62	MILES	B-1	Р	N	N	X	Alteration in stream-side or littoral vegetative covers Cadmium	Impacts from Abandoned Mine Lands (Inactive)
											Zinc	
Kootenai	MT76D002_050	BIG CHERRY CREEK, Snowshoe Creek	5	13.07	MILES	B-1	Р	F	х	F	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		to Mouth (Libby Creek)									vegetative covers Physical substrate habitat alterations	Habitat Modification - other than Hydromodification
											Zinc	Impacts from Abandoned Mine Lands (Inactive)
												Mine Tailings
Kootenai	MT76D002_061	LIBBY CREEK, from 1 mi above Howard	5	11.24	MILES	B-1	Р	F	N	Х	Alteration in stream-side or littoral	Impacts from Abandoned Mine Lands (Inactive)
		Creek to highway 2 bridge									vegetative covers Mercury	Placer Mining
											Physical substrate habitat alterations	
Kootenai	MT76D002_062	LIBBY CREEK, from the highway 2	5	14.8	MILES	B-1	Р	F	х	Х	Physical substrate habitat alterations	Site Clearance (Land Development or
		bridge to mouth (Kootenai River)									Sedimentation/Siltation	Redevelopment) Source Unknown
												Streambank Modifications/destablization
Kootenai	MT76D002_070	LAKE CREEK, Bull Lake outlet to mouth	5	17.57	MILES	B-1	Р	F	N	Х	Cadmium	Forest Roads (Road Construction and Use)

<b>HUC</b> 17010101	Upper Kootenai	Waters	shed	Kooten	nai							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Kootenai	MT76D002_070	LAKE CREEK, Bull Lake outlet to mouth	5	17.57	MILES	B-1	Р	F	N	Х	Copper	Mine Tailings
		(Kootenai River)									Lead	Natural Sources
											Mercury in Water Column	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Sedimentation/Siltation	
											Zinc	
Bobtail Creek	MT76D002_080	BOBTAIL CREEK, headwaters to mouth	4A	11.53	MILES	B-1	Р	F	Х	F	Other flow regime alterations	Forest Roads (Road Construction and Use)
		(Kootenai River)									Sedimentation/Siltation	Source Unknown
											Turbidity	
Kootenai	MT76D002_090	QUARTZ CREEK, headwaters to	5	11.25	MILES	B-1	Р	F	ı	1	Physical substrate habitat alterations	Forest Roads (Road Construction and Use)
		confluence with the Kootenai River									Sedimentation/Siltation	Highway/Road/Bridge Runoff (Non-construction Related) Silviculture Activities
Kootenai	MT76D002_100		4C	12.62	MILES	B-1	Р	Х	Х	Х	Low flow alterations	Silviculture Activities
		to mouth (Lake Koocanusa)									Physical substrate habitat alterations	
Kootenai	MT76D002_110	BRISTOW CREEK, the headwaters to	5	6.4	MILES	B-1	Р	F	х	F	Nitrogen (Total)	Forest Roads (Road Construction and Use)
		mouth at Lake Koocanusa									Sedimentation/Siltation	Silviculture Activities
												Source Unknown
Kootenai	MT76D003_010	LAKE KOOCANUSA	5	28888	ACRES	B-1	Р	F	F	F	Other flow regime alterations	Dam or Impoundment
											Selenium	Sources Outside State Jurisdiction or Borders
Tobacco	MT76D004_010	TOBACCO RIVER, confluence of Grave	4A	14.21	MILES	B-1	Р	F	F	F	Physical substrate habitat alterations	Grazing in Riparian or Shoreline Zones
		Creek & Fortine Creek to mouth (Lake Koocanusa)									Sedimentation/Siltation	Streambank Modifications/destablization
Tobacco	MT76D004_020	FORTINE CREEK, headwaters to mouth	5	33.46	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		(Grave Creek)									vegetative covers Excess Algal Growth	Channelization
											Low flow alterations	Flow Alterations from Water Diversions
											Sedimentation/Siltation	Forest Roads (Road Construction and Use)
											Temperature, water	Grazing in Riparian or Shoreline Zones

<b>HUC</b> 17010101	Upper Kootenai	Water	shed	Kooter	nai							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Tobacco	MT76D004_020	FORTINE CREEK, headwaters to mouth (Grave Creek)	5	33.46	MILES	B-1	Р	F	F	Р		Highways, Roads, Bridges, Infrasturcture (New Construction) Silviculture Activities
												Source Unknown
Tobacco	MT76D004_030	EDNA CREEK, headwaters to mouth (Fortine Creek)	4A	10.55	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use)
		(Fortine Greek)										Silviculture Harvesting
Tobacco	MT76D004_040	SWAMP CREEK, headwaters to mouth (Fortine Creek)	4A	11.94	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)
		(Fortine Creek)									Low flow alterations	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Irrigated Crop Production
												Silviculture Harvesting
Tobacco	MT76D004_050	LIME CREEK, headwaters to mouth	5	4.92	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		(Fortine Creek)									vegetative covers Arsenic	Grazing in Riparian or Shoreline Zones
											Chlorophyll-a	Silviculture Harvesting
											Nitrogen (Total)	Source Unknown
											Phosphorus (Total)	
											Sedimentation/Siltation	
Grave Creek	MT76D004_060	GRAVE CREEK, Foundation Creek to	4A	17.43	MILES	B-1	Р	F	Х	Р	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
		mouth (Fortine Creek)									vegetative covers Other flow regime alterations	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Silviculture Harvesting
Tobacco	MT76D004_070	THERRIAULT CREEK, headwaters to	4A	9.71	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
		mouth (Tobacco River)										Irrigated Crop Production
Tobacco	MT76D004_080	DEEP CREEK, headwaters to mouth (Fortine Creek)	4A	11.02	MILES	A-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Excess Algal Growth	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	
Tobacco	MT76D004_091	SINCLAIR CREEK, confluence of un-	4A	7.9	MILES	B-1	N	Х	Х	Х	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
		named tributary, Lat -114.945 Long 48.908 to mouth (Tobacco River)										Highway/Road/Bridge Runoff (Non-construction Related)

<b>HUC</b> 17010102	Fisher	Water	shed	Kooten	nai							
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Fisher	MT76C001_010	FISHER RIVER, the Silver Butte/Pleasar Valley junction to mouth (Kootenai River		33.78	MILES	B-1	Р	F	F	F	High Flow Regime	Channelization
		valley juriculori to mouth (Nootenai Niver	,								Lead	Grazing in Riparian or Shoreline Zones
												Highway/Road/Bridge Runoff (Non-construction Related) Highways, Roads, Bridges, Infrasturcture (New Construction) Silviculture Activities
												Source Unknown
												Streambank Modifications/destablization
Fisher	MT76C001_020	WOLF CREEK, headwaters to mouth (Fisher River)	5	39.26	MILES	B-1	Р	F	Х	F	Alteration in stream-side or littoral vegetative covers	Channelization
		(1.0101.14101)									Sedimentation/Siltation	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Temperature, water	Streambank Modifications/destablization
Fisher	MT76C001_030	RAVEN CREEK, headwaters to mouth	5	3.05	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		(Pleasant Vally Fisher River)									vegetative covers Chlorophyll-a	Loss of Riparian Habitat
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Activities
											Nitrogen (Total)	Source Unknown
											Phosphorus (Total)	
											Sedimentation/Siltation	

<b>HUC</b> 17010103	Yaak	Waters	shed	Kootena	ai							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Yaak	MT76B002_010	SEVENTEEN MILE CREEK, headwaters to mouth (Yaak River)	5 5	16.41	MILES	B-1	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N) Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Harvesting Source Unknown
Yaak	MT76B002_020	LAP CREEK, headwaters to mouth (Yaal River)	k 5	4.77	MILES	B-1	N	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N) Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Harvesting Source Unknown
Yaak	MT76B002_060	SPREAD CREEK, headwaters to mouth (Yaak River)	5	12.64	MILES	B-1	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Harvesting Source Unknown
Yaak	MT76B002_070	PETE CREEK, headwaters to mouth (Yaak River)	5	10.94	MILES	B-1	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Harvesting Source Unknown
Yaak	MT76B002_080	SOUTH FORK YAAK RIVER, headwaters to mouth (Yaak River)	4A	12.81	MILES	B-1	N	F	F	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Harvesting
Yaak	MT76B002_090	WEST FORK YAAK RIVER, headwaters to mouth (Yaak River)	5	20.29	MILES	B-1	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Harvesting Source Unknown
Yaak	MT76B002_100	EAST FORK YAAK RIVER, headwaters to mouth (Yaak River)	5	14.6	MILES	B-1	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Harvesting Source Unknown

# Blackfoot River Flint-Rock Creeks Upper Clark Fork Bitterroot River

# **Upper Clark Fork Sub-Major Basin**

## **Columbia River Basin**

USGS HUC HUC NAME

17010201 Upper Clark Fork River 17010202 Flint-Rock Creeks 17010203 Blackfoot River 17010205 Bitterroot River

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<b>HUC</b> 17010201	Upper Clark Fo	rk <b>Wate</b>	rshed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clark Fork River	MT76G001_010	CLARK FORK RIVER, Flint Creek to Little Blackfoot River	5	27.78	MILES	B-1	Р	F	N	Р	Alteration in stream-side or littoral vegetative covers	Agriculture
		Little Diackloot Nivel									Arsenic	Mill Tailings
											Copper	
											Lead	
											Low flow alterations	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Zinc	
Clark Fork River	MT76G001_030	CLARK FORK RIVER, the Little	5	14.94	MILES	C-1	N	F		Р	Alteration in stream-side or littoral	Agriculture
		Blackfoot River to Cottonwood Creek									vegetative covers Copper	Channelization
											Lead	Mill Tailings
											Low flow alterations	Municipal Point Source Discharges
											Nitrogen (Total)	
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Zinc	
Clark Fork River	MT76G001_040	CLARK FORK RIVER, Cottonwood	5	27.83	MILES	C-2	Р	F		Р	Alteration in stream-side or littoral	Agriculture
		Creek to Warm Springs Creek									vegetative covers Arsenic	Mill Tailings
											Cadmium	Municipal Point Source Discharges
											Copper	
											Lead	
											Low flow alterations	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	

<b>HUC</b> 17010201	Upper Clark Fo	rk <b>Water</b>	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Clark Fork	MT76G002_011	WARM SPRINGS CREEK, headwaters	4C	14.74	MILES	A-1	Р	F	ı	F	Physical substrate habitat alterations	Channelization
		to Meyers Dam, T5N R12W S25										Highway/Road/Bridge Runoff (Non-construction Related)
Upper Clark Fork	MT76G002_012	WARM SPRINGS CREEK, Meyers Dam	4A	17.22	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		T5N R12W S25 to mouth (Clark Fork), T6N R9W S6									vegetative covers Arsenic	Irrigated Crop Production
											Cadmium	Mill Tailings
											Copper	
											Iron	
											Lead	
											Low flow alterations	
											Physical substrate habitat alterations	
											Zinc	
Upper Clark Fork	MT76G002_030	CABLE CREEK, headwaters to mouth	4A	6.36	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Grazing in Riparian or Shoreline Zones
		(Warm Springs Creek)									Other anthropogenic substrate alterations	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
Upper Clark Fork	MT76G002_040	STORM LAKE CREEK, headwaters to	4A	9.73	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Channelization
		mouth (Un-Named canal/Ditch)									vegetative covers Chlorophyll-a	Flow Alterations from Water Diversions
											Low flow alterations	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Silviculture Harvesting
												Source Unknown
Upper Clark Fork	MT76G002_051	MILL CREEK, headwaters to section line	e 5	11.01	MILES	B-1	Р	F	F	F	Arsenic	Contaminated Sediments
		between Sec 27 and 28, T4N, R11W									Cadmium	Mill Tailings
											Chromium (total)	Mine Tailings
											Copper	
											Lead	
											Zinc	
Upper Clark Fork	MT76G002_052	MILL CREEK, line between sections 27-	5	9.5	MILES	B-1	N	Р	N	Р	Alteration in stream-side or littoral	Contaminated Sediments

<b>HUC</b> 17010201	Upper Clark For	k <b>Water</b>	shed	Upper (	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Clark Fork	MT76G002_052	MILL CREEK, line between sections 27- 28 T4N R11W to Mill-Willow Bypass diversion	5	9.5	MILES	B-1	N	P	N	P	vegetative covers  Aluminum  Arsenic  Cadmium  Copper  Iron  Lead  Low flow alterations  Zinc	Irrigated Crop Production Mill Tailings
Upper Clark Fork	MT76G002_061	WILLOW CREEK, headwaters to T4N R10W S30	5	6.13	MILES	B-1	N	F	N	P	Alteration in stream-side or littoral vegetative covers Arsenic Cadmium Copper Iron Lead Phosphorus (Total) Sedimentation/Siltation Zinc	Grazing in Riparian or Shoreline Zones Mill Tailings Natural Sources
Upper Clark Fork	MT76G002_062	WILLOW CREEK, T4N R10W S30 to mouth (Mill Creek), T4N R10W S11	4A	7.12	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral vegetative covers Arsenic Cadmium Copper Iron Lead Low flow alterations Sedimentation/Siltation Zinc	Agriculture Atmospheric Depositon - Toxics Grazing in Riparian or Shoreline Zones Mill Tailings

HUC 17010201	Upper Clark For	rk <b>Waters</b>	shed	Upper	Clark Fo	rk						
「MDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
lpper Clark Fork	MT76G002_072	LOST CREEK, the south State Park boundary to mouth (Clark Fork River)	5	19.07	MILES	B-1	N	F	N	P	Alteration in stream-side or littoral vegetative covers Arsenic	Agriculture  Contaminated Sediments
											Copper	Grazing in Riparian or Shoreline Zones
											Iron	Irrigated Crop Production
											Lead	
											Low flow alterations	
											Manganese	
											Nitrate/Nitrite (Nitrite + Nitrate as N)	
											Physical substrate habitat alterations	
											Sulfates	
pper Clark Fork	MT76G002_080	MODESTY CREEK, headwaters to	4A	14.72	MILES	B-1	N	F	N	Р	Arsenic	Agriculture
		mouth (Clark Fork River)									Cadmium	
											Copper	
											Lead	
											Low flow alterations	
Ipper Clark Fork	MT76G002_090	RACETRACK CREEK, the national forest	t 4C	11.07	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		boundary to mouth (Clark Fork River)									vegetative covers  Low flow alterations	Irrigated Crop Production
lana an Olania Fani	MT700000 400	DEMPORY ORGEN, the method of female	_	40.44	MII EO	D.4	Р	F	_		Alternation in plantage stide on the self	Aminutura
Ipper Clark Fork	MT76G002_100	DEMPSEY CREEK, the national forest boundary to mouth (Clark Fork River)	5	13.44	MILES	B-1	Р	r	F	Р	Alteration in stream-side or littoral vegetative covers	Agriculture Grazing in Riparian or Shoreline Zones
											Low flow alterations	Irrigated Crop Production
											Nitrate/Nitrite (Nitrite + Nitrate as N)  Sedimentation/Siltation	Imgated Crop Production
											Sedimentation/Silitation	
Ipper Clark Fork	MT76G002_110	TIN CUP JOE CREEK, Tin Cup Lake to mouth (Clark Fork River)	4A	6.77	MILES	B-1	N	F	F	N	Low flow alterations	Agriculture
		. (									Sedimentation/Siltation	
Ipper Clark Fork	MT76G002_120	MILL-WILLOW BYPASS, Mill and Willow	4A	4.2	MILES	B-1	Р	F	N	F	Arsenic	Mill Tailings
		Creek diversion to Silver Bow Creek (below ponds)							Cadmium			
											Copper	

<b>HUC</b> 17010201	Upper Clark For	k Waters	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Clark Fork	MT76G002_120	MILL-WILLOW BYPASS, Mill and Willow Creek diversion to Silver Bow Creek	4A	4.2	MILES	B-1	Р	F	N	F	Lead	
		(below ponds)									Zinc	
Upper Clark Fork	MT76G002_131	PETERSON CREEK, headwaters to Jack Creek	< 5	6.27	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		Cleek									vegetative covers Copper	Grazing in Riparian or Shoreline Zones
											Iron	Irrigated Crop Production
											Lead	Silviculture Activities
											Low flow alterations	Source Unknown
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Total Kjehldahl Nitrogen (TKN)	
Upper Clark Fork	MT76G002_132	PETERSON CREEK, Jack Creek to	4A	7.1	MILES	B-1	N	Х	Х	N	Alteration in stream-side or littoral	Agriculture
		mouth (Clark Fork River)									vegetative covers Iron	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Irrigated Crop Production
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Temperature, water	
Upper Clark Fork	MT76G002_140	ANTELOPE CREEK, headwaters to	4A	6.08	MILES	B-1	N	F	F	Р	Low flow alterations	Agriculture
		mouth (Gardner Ditch)									Sedimentation/Siltation	
Upper Clark Fork	MT76G003_020	SILVER BOW CREEK, headwaters to	5	29.18	MILES	1	N	N	N	N	Aluminum	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Clark Fork River)									Arsenic	Loss of Riparian Habitat
											Copper	Site Clearance (Land Development or
											Iron	Redevelopment)
											Lead	
											Manganese	
											Nitrates	
											Physical substrate habitat alterations	

<b>HUC</b> 17	'010201	Upper Clark For	rk Waters	shed	Upper	Clark Fo	rk						
TMDL Planni	ing Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Clark F	Fork	MT76G003_020	SILVER BOW CREEK, headwaters to	5	29.18	MILES	ı	N	N	N	N	Sedimentation/Siltation	
			mouth (Clark Fork River)									Silver	
												Zinc	
Upper Clark F	ork	MT76G003_030	GERMAN GULCH, headwaters to mouth (Silver Bow Creek)	4A	8.24	MILES	B-1	N	F	Р	F	Arsenic	Impacts from Abandoned Mine Lands (Inactive)
			(Silver bow creek)									Cyanide	Placer Mining
												Selenium	
Upper Clark F	ork	MT76G003_031	BEEFSTRAIGHT CREEK, Minnesota Gulch to mouth (German Gulch)	4A	3.5	MILES	B-1	N	Χ	Х	Х	Cyanide	Mine Tailings
Little Blackfoo	ot	MT76G004_010	LITTLE BLACKFOOT RIVER, Dog Creek	<b>&lt;</b> 5	26.5	MILES	B-1	Р	F	Р	Р	Alteration in stream-side or littoral	Agriculture
			to mouth (Clark Fork River)									vegetative covers Copper	Channelization
												Lead	Grazing in Riparian or Shoreline Zones
												Low flow alterations	Impacts from Abandoned Mine Lands (Inactive)
												Nitrate/Nitrite (Nitrite + Nitrate as N)	Rangeland Grazing
												Sedimentation/Siltation	
Little Blackfoo	ot	MT76G004_020	LITTLE BLACKFOOT RIVER, the headwaters to Dog Creek	5	22.54	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Arsenic	Highway/Road/Bridge Runoff (Non-construction Related) Impacts from Abandoned Mine Lands (Inactive)
												Cyanide	
												Sedimentation/Siltation	
Little Blackfoo	ot	MT76G004_032	SPOTTED DOG CREEK, forest boundary to mouth (Little Blackfoot River	5	10.67	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
												Sedimentation/Siltation	
Little Blackfoo	ot	MT76G004_040	ELLISTON CREEK, headwaters to	4C	4.95	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Channelization
			mouth (Little Blackfoot River)									vegetative covers	Site Clearance (Land Development or Redevelopment)
Little Blackfoo	ot	MT76G004_051	TELEGRAPH CREEK, headwaters to Hahn Creek	5	5.35	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)
			Halli Oleek									Arsenic	Impacts from Abandoned Mine Lands (Inactive)
												Beryllium	

<b>HUC</b> 17010201	Upper Clark For	rk <b>Water</b>	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Little Blackfoot	MT76G004_051	TELEGRAPH CREEK, headwaters to	5	5.35	MILES	B-1	N	F	N	F	Cadmium	
		Hahn Creek									Copper	
											Iron	
											Sedimentation/Siltation	
											Zinc	
Little Blackfoot	MT76G004_052	TELEGRAPH CREEK, Hahn Creek to	5	2.51	MILES	B-1	F	F	N	F	Lead	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Little Blackfoot River)									Mercury	
Little Blackfoot	MT76G004_060	MONARCH CREEK, headwaters to mouth (Ontario Creek)	5	4.68	MILES	B-1	Р	F	F	Р	Arsenic	Mill Tailings
		moun (ontano oreek)									Copper	Mine Tailings
											Lead	Source Unknown
											Mercury	Subsurface (Hardrock) Minining
											Selenium	
											pH	
Little Blackfoot	MT76G004_071	DOG CREEK, headwaters to Meadow Creek	5	4.33	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral vegetative covers Arsenic	Impacts from Abandoned Mine Lands (Inactive) Rangeland Grazing
											Lead	Tanguara Cuang
											Sedimentation/Siltation	
											Zinc	
ittle Blackfoot	MT76G004_072	DOG CREEK, Meadow Creek to mouth (Little Blackfoot River)	5	13.63	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Agriculture
		(=									Nitrate/Nitrite (Nitrite + Nitrate as N)	Channelization
											Sedimentation/Siltation	Rangeland Grazing
Little Blackfoot	MT76G004_080	SNOWSHOE CREEK, headwaters to mouth (Little Blackfoot River)	5	11.45	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Dredge Mining
		mouth (Little Blackfoot River)									Low flow alterations	Flow Alterations from Water Diversions
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Forest Roads (Road Construction and Use)
											Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
												Impacts from Abandoned Mine Lands (Inactive)
												Irrigated Crop Production

<b>HUC</b> 17010201	Upper Clark For	rk <b>Water</b>	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Little Blackfoot	MT76G004_080	SNOWSHOE CREEK, headwaters to mouth (Little Blackfoot River)	5	11.45	MILES	B-1	Р	F	F	Р		Source Unknown
Little Blackfoot	MT76G004_091	CARPENTER CREEK, headwaters to Basin Creek	4C	3.67	MILES	B-1	N	Х	Х	Р	Alteration in stream-side or littoral vegetative covers Other anthropogenic substrate alterations	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	
Little Blackfoot	MT76G004_092	CARPENTER CREEK, Basin Creek to mouth (Little Blackfoot River)	4C	4.87	MILES	B-1	N	Х	Х	F	Alteration in stream-side or littoral vegetative covers Other anthropogenic substrate alterations	Impacts from Abandoned Mine Lands (Inactive)
											Physical substrate habitat alterations	
Little Blackfoot	MT76G004_100	WOODSON GULCH, headwaters to mouth (Carpenter Creek), T11N R7W S29	4C	.84	MILES	B-1	Р	F	F	Р	Physical substrate habitat alterations	Impacts from Abandoned Mine Lands (Inactive) Placer Mining
Little Blackfoot	MT76G004_112	THREEMILE CREEK, Quigley Ranch	4C	7.46	MILES	B-1	N	Х	Х	Р	Alteration in stream-side or littoral	Agriculture
		Reservoir to mouth (Little Blackfoot River)									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
												Impacts from Abandoned Mine Lands (Inactive)
Upper Clark Fork	MT76G005_071	DUNKLEBERG CREEK, headwaters to T9N R12W S2 SW	4A	3.91	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones  Mine Tailings
											Arsenic  Cadmium	wille railings
											Copper	
											Iron	
											Lead	
											Zinc	
Upper Clark Fork	MT76G005_072	DUNKLEBERG CREEK, T9N R12W S2	5	4.05	MILES	B-1	Р	F	Р	F	Alteration in stream-side or littoral	Impacts from Abandoned Mine Lands (Inactive)
		to mouth (Un-named Canal), T10N R11W S30									vegetative covers Arsenic	Rangeland Grazing
											Cadmium	
											Copper	
											Iron	
											Lead	
											Nitrogen (Total)	

<b>HUC</b> 17010201	Upper Clark Fo	rk <b>Water</b>	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Upper Clark Fork	MT76G005_072	DUNKLEBERG CREEK, T9N R12W S2 to mouth (Un-named Canal), T10N R11W S30	5	4.05	MILES	B-1	Р	F	Р	F	Zinc	
Upper Clark Fork	MT76G005_081	HOOVER CREEK, headwaters to Miller Lake	4A	5.17	MILES	B-1	X	Х	Х	Р	Sedimentation/Siltation Turbidity	Highway/Road/Bridge Runoff (Non-construction Related) Rangeland Grazing
Upper Clark Fork	MT76G005_082	HOOVER CREEK, Miller Lake to mouth (Clark Fork River)	5	7.05	MILES	B-1	N	x	X	N	Low flow alterations  Nitrogen (Total)  Physical substrate habitat alterations  Sedimentation/Siltation	Agriculture  Dam Construction (Other than Upstream Flood Control Projects)  Streambank Modifications/destablization
Upper Clark Fork	MT76G005_091	GOLD CREEK, headwaters to National Forest boundary	4A	8.1	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral vegetative covers Lead	Impacts from Abandoned Mine Lands (Inactive) Mine Tailings
Upper Clark Fork	MT76G005_092	GOLD CREEK, the forest boundary to mouth (Clark Fork River)	5	7.77	MILES	B-1	Р	F	F	Р	Iron Lead Low flow alterations Nitrogen (Total)	Agriculture  Irrigated Crop Production
Upper Clark Fork	MT76G005_100	BROCK CREEK, headwaters to mouth (Clark Fork River)	4A	12.5	MILES	B-1	Х	F	F	Р	Sedimentation/Siltation	Streambank Modifications/destablization
Upper Clark Fork	MT76G005_111	WARM SPRINGS CREEK, headwaters to line between R9W and R10W	5	9.54	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Highway/Road/Bridge Runoff (Non-construction Related) Silviculture Activities
Upper Clark Fork	MT76G005_112	WARM SPRINGS CREEK, from line between R9W and R10W to mouth (Clar Fork River)	4A rk	6.28	MILES	B-1	P	F	F	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations Physical substrate habitat alterations Sedimentation/Siltation	Agriculture Grazing in Riparian or Shoreline Zones
Little Blackfoot	MT76G006_010	UN-NAMED CREEK, headwaters to mouth (Ontario Creek), T8N R6W S27	5	.8	MILES	B-1	N	Р	N	P	Arsenic Cadmium Copper Lead Mercury	Impacts from Abandoned Mine Lands (Inactive)

#### **Appendix A: Impaired Waters** Upper Clark Fork Upper Clark Fork **HUC** 17010201 Watershed Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Little Blackfoot MT76G006\_010 UN-NAMED CREEK, headwaters to MILES N P N P .8 B-1 Zinc mouth (Ontario Creek), T8N R6W S27 рΗ

<b>HUC</b> 17010202	Flint-Rock	Waters	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clark Fork River	MT76E001_010	CLARK FORK RIVER, Flint Creek to	5	50.93	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral	Agriculture
		Blackfoot River									vegetative covers Arsenic	Channelization
											Cadmium	Mill Tailings
											Chlorophyll-a	Mine Tailings
											Copper	Municipal Point Source Discharges
											Iron	
											Lead	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Zinc	
Rock	MT76E002_020	EAST FORK ROCK CREEK, East Fork	5	9.74	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		Reservoir to mouth (Middle Fork Rock Creek)									vegetative covers Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification
											Nitrogen, Nitrate	Irrigated Crop Production
											Sedimentation/Siltation	Source Unknown
											Temperature, water	
Rock	MT76E002_030	WEST FORK ROCK CREEK, headwaters to mouth (Rock Creek)	5	25.15	MILES	B-1	Х	F	N	F	Mercury	Source Unknown
Rock	MT76E002_040	UPPER WILLOW CREEK, headwaters to	o 4C	21.7	MILES	B-1	Р	F	Х	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		mouth (Rock Creek)									Low flow alterations	Irrigated Crop Production
											Physical substrate habitat alterations	
Rock	MT76E002_050	BREWSTER CREEK, East Fork to mouth (Rock Creek)	h 5	4.57	MILES	B-1	Р	F	F	F	Fish-Passage Barrier	Irrigated Crop Production
		(Rock Creek)									Low flow alterations	Source Unknown
											Phosphorus (Total)	
											Sedimentation/Siltation	
Rock	MT76E002_060	SOUTH FORK ANTELOPE CREEK,	5	2.93	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		headwaters to mouth (Antelope Creek), T6N R15W S22									vegetative covers Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones

HUC	17010202	Flint-Rock	Waters	shed	Upper	Clark Fo	rk						
TMDL Pla	anning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Rock		MT76E002_060	SOUTH FORK ANTELOPE CREEK,	5	2.93	MILES	B-1	N	F	F	Р	Phosphorus (Total)	Silviculture Activities
			headwaters to mouth (Antelope Creek), T6N R15W S22									Sedimentation/Siltation	Source Unknown
												Temperature, water	
Rock		MT76E002_070	QUARTZ GULCH, headwaters to mouth	5	3.43	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral	Natural Sources
			(Eureka Gulch)									vegetative covers Mercury	Placer Mining
												Sedimentation/Siltation	
Rock		MT76E002_080	BASIN GULCH, headwaters to mouth	4C	1.45	MILES	B-1	N	Х	Х	Х	Alteration in stream-side or littoral	Impacts from Abandoned Mine Lands (Inactive)
			(Eureka Gulch)									vegetative covers	Placer Mining
Rock		MT76E002_090	EUREKA GULCH, confluence of Quartz	5	1.93	MILES	B-1	N	F	N	N	Alteration in stream-side or littoral	Natural Sources
			Gulch and Basin Gulch to mouth (Un- Named Ditch)									vegetative covers Arsenic	Open Pit Mining
												Mercury	Placer Mining
												Sedimentation/Siltation	
												Solids (Suspended/Bedload)	
Rock		MT76E002_100	SCOTCHMAN GULCH, headwaters to	5	6.88	MILES	B-1	Р	F	F	F	Phosphorus (Total)	Forest Roads (Road Construction and Use)
			mouth (Upper Willow Creek)									Sedimentation/Siltation	Placer Mining
													Rangeland Grazing
													Silviculture Harvesting
													Source Unknown
Rock		MT76E002_110	SLUICE GULCH, headwaters to mouth	5	6.33	MILES	B-1	N	F	N	N	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
			(Rock Creek)									vegetative covers Arsenic	Impacts from Abandoned Mine Lands (Inactive)
												Nitrate/Nitrite (Nitrite + Nitrate as N)	
												Sedimentation/Siltation	
Rock		MT76E002_120	FLAT GULCH, headwaters to mouth	5	2.99	MILES	B-1	Р	F	F	F	Nitrogen (Total)	Forest Roads (Road Construction and Use)
			(Rock Creek)									Phosphorus (Total)	Rangeland Grazing
												Sedimentation/Siltation	Silviculture Activities
													Source Unknown

<b>HUC</b> 17010202	Flint-Rock	Water	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Rock	MT76E002_160	MINERS GULCH, headwaters to mouth	5	5.42	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
		(Upper Willow Creek), T8N R15W S23										Impacts from Abandoned Mine Lands (Inactive)
												Silviculture Activities
												Source Unknown
Flint	MT76E003_011	FLINT CREEK, Georgetown Lake to	5	28.09	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral	Agriculture
		confluence with Boulder Creek									vegetative covers Antimony	Grazing in Riparian or Shoreline Zones
											Arsenic	Impacts from Abandoned Mine Lands (Inactive)
											Cadmium	
											Copper	
											Lead	
											Low flow alterations	
											Mercury	
											Sedimentation/Siltation	
Flint	MT76E003_012	FLINT CREEK, Boulder Creek to mouth	5	16.92	MILES	B-1	N	F	N	Р	Alteration in stream-side or littoral	Agriculture
		(Clark Fork River)									vegetative covers Arsenic	Grazing in Riparian or Shoreline Zones
											Cadmium	Impacts from Abandoned Mine Lands (Inactive)
											Copper	Streambank Modifications/destablization
											Iron	
											Lead	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Turbidity	
Flint	MT76E003_020	DOUGLAS CREEK, confluence of Middle	e 5	7.07	MILES	B-1	Р	F	Х	F	Nitrogen, Nitrate	Channelization
		and South Forks to mouth (Flint Creek), T9N R13W S10									Physical substrate habitat alterations	Impacts from Abandoned Mine Lands (Inactive)
												Silviculture Activities
Flint	MT76E003_030	NORTH FORK DOUGLAS CREEK,	5	3.13	MILES	B-1	N	Р	N	Х	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
	_ `	headwaters to mouth (Middle Fork Douglas Creek)									vegetative covers Arsenic	Impacts from Abandoned Mine Lands (Inactive)
		3 ,									, 1331110	

<b>HUC</b> 17010202	Flint-Rock	Waters	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Flint	MT76E003_030	NORTH FORK DOUGLAS CREEK,	5	3.13	MILES	B-1	N	Р	N	Х	Cadmium	
		headwaters to mouth (Middle Fork Douglas Creek)									Copper	
											Sulfates	
											Zinc	
Flint	MT76E003_040	FRED BURR CREEK, Fred Burr Lake to mouth (Flint Creek)	5	11.21	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral vegetative covers	Agriculture
		modul (Fill Cleek)									Arsenic	Grazing in Riparian or Shoreline Zones
											Lead	Mill Tailings
											Mercury	
Flint	MT76E003_050	SOUTH FORK LOWER WILLOW	5	13.34	MILES	B-1	N	F	N	Х	Copper	Mill Tailings
		CREEK, headwaters to mouth (Lower Willow Creek Reservoir)									Lead	
											Mercury	
Flint	MT76E003_060	BOULDER CREEK, headwaters to	5	14.23	MILES	B-1	Р	F	N	Х	Arsenic	Impacts from Abandoned Mine Lands (Inactive)
		mouth (Flint Creek)									Lead	Silviculture Harvesting
											Mercury	
											Physical substrate habitat alterations	
											Zinc	
Flint	MT76E003_070	BARNES CREEK, headwaters to mouth	5	8.87	MILES	B-1	Р	Р	Р	Р	Chlorophyll-a	Irrigated Crop Production
		(Flint Creek)									Iron	Managed Pasture Grazing
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
Flint	MT76E003_090	PRINCETON GULCH, headwaters to mouth (Boulder Creek)	5	3.89	MILES	B-1	Р	F	Х	Х	Nitrates	Placer Mining
		mount (Doulder Oreek)									Physical substrate habitat alterations	
Flint	MT76E003_100	DOUGLAS CREEK, headwaters to	5	3.76	MILES	B-1	N	Р	N	Р	Arsenic	Impacts from Abandoned Mine Lands (Inactive)
		where stream ends, T7N R14W S25									Cadmium	Silviculture Activities

<b>HUC</b> 17010202	Flint-Rock	Water	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Flint	MT76E003_100	DOUGLAS CREEK, headwaters to	5	3.76	MILES	B-1	N	Р	N	Р	Cause Unknown	Source Unknown
		where stream ends, T7N R14W S25									Copper	Streambank Modifications/destablization
											Iron	
											Lead	
											Mercury	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Zinc	
Flint	MT76E003_110	SMART CREEK, headwaters to mouth	5	11.6	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Freshettes or Major Flooding
		(Flint Creek), T9N R13W S21									vegetative covers Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Silviculture Harvesting
												Watershed Runoff following Forest Fire
Flint	MT76E003_130	CAMP CREEK, headwaters to terminus,	5	1.8	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Channelization
		T7N R14W S25									vegetative covers Arsenic	Habitat Modification - other than Hydromodification
											Copper	Impacts from Abandoned Mine Lands (Inactive)
											Fish-Passage Barrier	
											Lead	
											Zinc	
Clark Fork - Drummond	MT76E004_010	WALLACE CREEK, headwaters to mout	h 5	4.32	MILES	B-1	Р	F	F	Х	Copper	Impacts from Abandoned Mine Lands (Inactive)
Clark Fork - Didillillond	WIT76E004_010	(Clark Fork River)	11 3	4.32	WILLS	D-1	-	'	į	^	Zinc	impacts from Abandoned withe Lands (mactive)
											ZIIIC	
Clark Fork - Drummond	MT76E004_020	CRAMER CREEK, headwaters to mouth (Clark Fork River)	5	11.98	MILES	B-1	Р	F	F	Р	Arsenic	Highway/Road/Bridge Runoff (Non-construction Related)
		(									Barium	Impacts from Abandoned Mine Lands (Inactive)
											Cause Unknown	Source Unknown
											Cobalt	
											Copper	
											Lead	
											Mercury	

<b>HUC</b> 17010202	Flint-Rock	Waters	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clark Fork - Drummond	MT76E004_020	CRAMER CREEK, headwaters to mouth	5	11.98	MILES	B-1	Р	F	F	Р	Physical substrate habitat alterations	
		(Clark Fork River)									Sedimentation/Siltation	
Clark Fork - Drummond	MT76E004_030	TENMILE CREEK, headwaters to mouth (Bear Creek-Clark Fork River)	5	4.92	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		(Deal Cleek-Clark Fork River)									Phosphorus (Total)	Silviculture Activities
											Sedimentation/Siltation	
Clark Fork - Drummond	MT76E004_041	HARVEY CREEK, headwaters to Grouse Gulch	4C	11.96	MILES	B-1	Р	F	F	F	Physical substrate habitat alterations	Streambank Modifications/destablization
Clark Fork - Drummond	MT76E004_042	HARVEY CREEK, Grouse Gulch to mouth (Clark Fork River)	4C	4.01	MILES	B-1	Р	F	F	Р	Low flow alterations	Agriculture
		moun (orann oranno)									Physical substrate habitat alterations	Streambank Modifications/destablization
Clark Fork - Drummond	MT76E004_050	MULKEY CREEK, headwaters to mouth (Clark Fork River)	5	5.99	MILES	B-1	N	Х	Х	Р	Sedimentation/Siltation	Low Water Crossing
Clark Fork - Drummond	MT76E004_060	RATTLER GULCH, headwaters to mouth (Clark Fork River), T11N R13W S22	5	8.08	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)
		(0.0.0.1.0.0.1.0.1), 1.1.111.1011.022									Chlorophyll-a	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Natural Sources
											Phosphorus (Total)	Silviculture Harvesting
											Sedimentation/Siltation	Source Unknown
Clark Fork - Drummond	MT76E004_070	DEEP CREEK, headwaters to mouth (Bear Creek, which is a tributary to Clark	5	5.12	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Placer Mining
		Fork River near Bearmouth)									Low flow alterations	Silviculture Harvesting
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Subsurface (Hardrock) Minining
											Nitrogen (Total)	
											Sedimentation/Siltation	
Clark Fork - Drummond	MT76E004_080	ANTELOPE CREEK, headwaters to	4C	8.45	MILES	B-1	Р	Х	Х	Х	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		mouth (Clark Fork River)								vegetative covers Physical substrate habitat alterations Loss of Riparian Habitat	Loss of Riparian Habitat	
												Streambank Modifications/destablization

<b>HUC</b> 17010203	Blackfoot	Water	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Blackfoot Headwaters	MT76F001_010	BLACKFOOT RIVER, headwaters to	4A	16.11	MILES	B-1	N	Р	N	F	Cadmium	Subsurface (Hardrock) Minining
		Landers Fork									Copper	Surface Mining
											Iron	
											Lead	
											Manganese	
											Zinc	
Blackfoot Headwaters	MT76F001_020	BLACKFOOT RIVER, Landers Fork to Nevada Creek	4A	39.15	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Aluminum	Agriculture Silviculture Harvesting
											Cadmium	Subsurface (Hardrock) Minining
											Iron	Surface Mining
											Sedimentation/Siltation	
											Zinc	
Middle Blackfoot	MT76F001_031	BLACKFOOT RIVER, Nevada Creek to Monture Creek	5	21.44	MILES	B-1	Р	F	F	F	Nitrogen (Total)	Irrigated Crop Production
		Monture Creek									Phosphorus (Total)	
											Sedimentation/Siltation	
											Temperature, water	
Middle Blackfoot	MT76F001_032	BLACKFOOT RIVER, Monture Creek to	5	23.53	MILES	B-1	Р	F	F	F	Nitrogen (Total)	Flow Alterations from Water Diversions
		Belmont Creek									Phosphorus (Total)	Streambank Modifications/destablization
											Sedimentation/Siltation	
											Temperature, water	
Lower Blackfoot	MT76F001_033	BLACKFOOT RIVER, Belmont Creek to	5	21.4	MILES	B-1	Р	F	F	F	Ammonia (Un-ionized)	Contaminated Sediments
		mouth (Clark Fork)										Grazing in Riparian or Shoreline Zones
												Silviculture Activities
Blackfoot Headwaters	MT76F002_020	WILLOW CREEK, Sandbar Creek to mouth (Blackfoot River), T15N R7W S34	4A 1	2.94	MILES	B-1	Р	F	Р	F	Other flow regime alterations Sedimentation/Siltation	Highway/Road/Bridge Runoff (Non-construction Related) Streambank Modifications/destablization
Blackfoot Headwaters	MT76F002_030	POORMAN CREEK, headwaters to mouth (Blackfoot River)	4A	14.31	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers	Construction Stormwater Discharge (Permitted)

<b>HUC</b> 17010203	Blackfoot	Water	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Blackfoot Headwaters	MT76F002_030	POORMAN CREEK, headwaters to	4A	14.31	MILES	B-1	Р	F	F	Р	Cadmium	Flow Alterations from Water Diversions
		mouth (Blackfoot River)									Copper	Forest Roads (Road Construction and Use)
											Lead	Impacts from Abandoned Mine Lands (Inactive)
											Low flow alterations	Silviculture Activities
											Sedimentation/Siltation	
Blackfoot Headwaters	MT76F002_040	BEARTRAP CREEK, Mike Horse Creek to mouth (Blackfoot River)	4A	.52	MILES	B-1	N	F	N	F	Cadmium	Acid Mine Drainage
		to mouth (blackloot River)									Copper	Mine Tailings
											Iron	Subsurface (Hardrock) Minining
											Lead	Surface Mining
											Manganese	
											Zinc	
Blackfoot Headwaters	MT76F002_060	SANDBAR CREEK, forks to mouth (Willow Creek)	5	1.67	MILES	B-1	Р	F	Р	F	Aluminum	Acid Mine Drainage
		(Willow Creek)									Copper	Highway/Road/Bridge Runoff (Non-construction Related)
											Iron	Impacts from Abandoned Mine Lands (Inactive)
											Manganese	Mine Tailings
											Sedimentation/Siltation	Subsurface (Hardrock) Minining
												Surface Mining
Blackfoot Headwaters	MT76F002_070	ARRASTRA CREEK, headwaters to	4A	12.86	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Agriculture
		mouth (Blackfoot River)										Highway/Road/Bridge Runoff (Non-construction
												Related) Streambank Modifications/destablization
Blackfoot Headwaters	MT76F003_010	MIKE HORSE CREEK, headwaters to	4A	.69	MILES	B-1	N	Х	N	Х	Aluminum	Acid Mine Drainage
		mouth (Beartrap Creek)									Cadmium	Impacts from Abandoned Mine Lands (Inactive)
											Copper	Mine Tailings
											Iron	
											Lead	
											Manganese	
											Zinc	

<b>HUC</b> 17010203	Blackfoot	Watershe	ed	Upper (	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Ca Name/Location	ategory	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Nevada Creek	MT76F003_011	NEVADA CREEK, headwaters to Nevada 5 Lake		19.84	MILES	B-1	Р	F	N	P	Alteration in stream-side or littoral vegetative covers Cadmium	Agriculture Grazing in Riparian or Shoreline Zones
											Copper	Placer Mining
											Iron	
											Lead	
											Mercury	
											Nitrogen (Total)	
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Solids (Suspended/Bedload)	
											Temperature, water	
											Total Kjehldahl Nitrogen (TKN)	
Nevada Creek	MT76F003_012	NEVADA CREEK, Nevada Lake to 4A	A	27.95	MILES	B-1	N	F	F	Р	Low flow alterations	Agriculture
		mouth (Blackfoot River)									Nitrogen (Total)	Streambank Modifications/destablization
											Phosphorus (Total)	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
											Temperature, water	
											Total Kjehldahl Nitrogen (TKN)	
Nevada Creek	MT76F003_021	JEFFERSON CREEK, headwaters to 1 4A	A	3.72	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Channelization
		mile above confluence with Madison Gulch									vegetative covers Sedimentation/Siltation	Placer Mining
												Rangeland Grazing
												Streambank Modifications/destablization
Nevada Creek	MT76F003 022	JEFFERSON CREEK, 1 mile above 44	Δ	3.39	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Channelization
Novada Greek	W1761 666_622	Madison Gulch to mouth (Nevada Creek)	•	0.00	WILLO	51		·		·	vegetative covers Aluminum	Dredge Mining
												Grazing in Riparian or Shoreline Zones
											Iron  Low flow alterations	Irrigated Crop Production
											LOW HOW diffiduotis	

<b>HUC</b> 17010203	Blackfoot	Waters	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Nevada Creek	MT76F003_022	JEFFERSON CREEK, 1 mile above	4A	3.39	MILES	B-1	Р	F	F	Р	Nitrogen (Total)	Source Unknown
		Madison Gulch to mouth (Nevada Creek)	)								Phosphorus (Total)	Streambank Modifications/destablization
											Sedimentation/Siltation	
											Solids (Suspended/Bedload)	
Nevada Creek	MT76F003_030	GALLAGHER CREEK, headwaters to mouth (Nevada Creek)	4A	7.34	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations	Agriculture Rangeland Grazing
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Total Kjehldahl Nitrogen (TKN)	
Nevada Creek	MT76F003_040	BRAZIEL CREEK, 2.8 miles upstream from mouth (Nevada Creek), T12N R10W S22	4A	2.82	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Highway/Road/Bridge Runoff (Non-construction Related) Rangeland Grazing
											Phosphorus (Total)	Silviculture Activities
											Sedimentation/Siltation	
Nevada Creek	MT76F003_050	MCELWAIN CREEK, diversion of	4A	2.1	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
		Company Ditch to mouth (Nevada Creek), T13N R11W S18									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Irrigated Crop Production
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
Nevada Creek	MT76F003_060	BLACK BEAR CREEK, headwaters to mouth (Bear Creek), T12N R12W S22	4A	7.67	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	Managed Pasture Grazing
											Sedimentation/Siltation	Silviculture Harvesting
											Solids (Suspended/Bedload)	
											Total Kjehldahl Nitrogen (TKN)	

<b>HUC</b> 17010203	Blackfoot	Water	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Nevada Creek	MT76F003_071	WASHINGTON CREEK, headwaters to	4A	5.84	MILES	B-1	N	F	Х	Р	Low flow alterations	Dredge Mining
		Cow Gulch									Physical substrate habitat alterations	Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation	
Nevada Creek	MT76F003_072	WASHINGTON CREEK, Cow Gulch to	4A	4.44	MILES	B-1	Р	F	Х	Р	Iron	Agriculture
		mouth (Nevada Creek)									Low flow alterations	Highway/Road/Bridge Runoff (Non-construction
											Sedimentation/Siltation	Related) Impacts from Abandoned Mine Lands (Inactive)
												Streambank Modifications/destablization
Nevada Creek	MT76F003_081	DOUGLAS CREEK, headwaters to	5	13.02	MILES	B-1	Р	F	N	N	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
		Murray Creek									vegetative covers Arsenic	Grazing in Riparian or Shoreline Zones
											Chlorophyll-a	Irrigated Crop Production
											Low flow alterations	Rangeland Grazing
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
											Nitrogen (Total)	
											Phosphorus (Total)	
											Sedimentation/Siltation	
											Temperature, water	
											Total Kjehldahl Nitrogen (TKN)	
Nevada Creek	MT76F003_082	DOUGLAS CREEK, Murray Creek to	5	10.91	MILES	B-1	N	F	N	N	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
		mouth (Nevada-Cottonwood Creeks)									vegetative covers Arsenic	Grazing in Riparian or Shoreline Zones
											Low flow alterations	Irrigated Crop Production
											Nitrogen (Total)	Loss of Riparian Habitat
											Phosphorus (Total)	Rangeland Grazing
											Sedimentation/Siltation	Source Unknown
											Temperature, water	
											Total Kjehldahl Nitrogen (TKN)	
Nevada Creek	MT76F003_090	COTTONWOOD CREEK, South Fork	4A	6.77	MILES	B-1	N	F	Χ	N	Low flow alterations	Agriculture
		Cottonwood Creek to mouth (Douglas Creek)									Sedimentation/Siltation	

<b>HUC</b> 17010203	Blackfoot	Waters	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Nevada Creek	MT76F003_090	COTTONWOOD CREEK, South Fork Cottonwood Creek to mouth (Douglas Creek)	4A	6.77	MILES	B-1	N	F	Х	N	Temperature, water	
Nevada Creek	MT76F003_100	NEVADA SPRING CREEK, headwaters to mouth (Nevada Creek)	4A	5.78	MILES	B-1	N	F	Х	Р	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
		to moduli (Novada Greek)									Sedimentation/Siltation	Impacts from Hydrostructure Flow Regulation/modification
Nevada Creek	MT76F003_120	MURRAY CREEK, headwaters to mouth	5	8.83	MILES	B-1	Р	F	N	N	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
		(Douglas Creek), T12N R12W S6									vegetative covers Arsenic	Grazing in Riparian or Shoreline Zones
											Chlorophyll-a	Irrigated Crop Production
											Low flow alterations	Rangeland Grazing
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Activities
											Nitrogen (Total)	Source Unknown
											Phosphorus (Total)	Streambank Modifications/destablization
											Sedimentation/Siltation	
											Temperature, water	
											Total Kjehldahl Nitrogen (TKN)	
Nevada Creek	MT76F003_130	BUFFALO GULCH, headwaters to mouth	n 4A	6.36	MILES	B-1	Р	x	Х	Х	Physical substrate habitat alterations	Forest Roads (Road Construction and Use)
		(Nevada Creek)									Sedimentation/Siltation	Livestock (Grazing or Feeding Operations)
												Silviculture Activities
Middle Blackfoot	MT76F004_010	FRAZIER CREEK, headwaters to mouth	4A	4.44	MILES	B-1	N	F	F	Р	Alteration in stream-side or littoral	Flow Alterations from Water Diversions
		(Blackfoot River), T14N R12W S28									vegetative covers  Low flow alterations	Grazing in Riparian or Shoreline Zones
											Nitrogen (Total)	Hydrostructure Impacts on Fish Passage
											Phosphorus (Total)	Irrigated Crop Production
											Sedimentation/Siltation	
											Total Kjehldahl Nitrogen (TKN)	
Middle Blackfoot	MT76F004_040	COTTONWOOD CREEK, 10 miles upstream to mouth (Blackfoot River)	4A	12.05	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	
Middle Blackfoot	MT76F004_050	WALES CREEK, reservoir outlet to	4A	1.94	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		mouth (Blackfoot River)									vegetative covers Chlorophyll-a	Irrigated Crop Production

<b>HUC</b> 17010203	Blackfoot	Waters	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Blackfoot	MT76F004_050	WALES CREEK, reservoir outlet to mouth (Blackfoot River)	4A	1.94	MILES	B-1	Р	F	F	Р	Low flow alterations  Nitrate/Nitrite (Nitrite + Nitrate as N)  Nitrogen (Total)  Phosphorus (Total)  Sedimentation/Siltation	Rangeland Grazing  Upstream Impoundments (e.g., PI-566 NRCS Structures)
Middle Blackfoot	MT76F004_060	WARD CREEK, headwaters to Browns Lake	4A	10.38	MILES	B-1	Р	F	F	F	Physical substrate habitat alterations Sedimentation/Siltation	Agriculture Silviculture Activities Unspecified Unpaved Road or Trail
Middle Blackfoot	MT76F004_070	WARREN CREEK, headwaters to mouth (Blackfoot River)	4A	14.7	MILES	B-1	Р	F	F	Р	Fish-Passage Barrier Low flow alterations Sedimentation/Siltation	Agriculture Channelization Irrigated Crop Production
Middle Blackfoot	MT76F004_080	YOURNAME CREEK, headwaters to mouth (Blackfoot River)	4A	9.72	MILES	B-1	Р	F	F	P	Alteration in stream-side or littoral vegetative covers Fish-Passage Barrier Low flow alterations Nitrogen (Total) Phosphorus (Total)	Grazing in Riparian or Shoreline Zones Irrigated Crop Production Rangeland Grazing
Middle Blackfoot	MT76F004_090	ROCK CREEK, headwaters to mouth (North Fork Blackfoot River)	4A	11.52	MILES	B-1	Р	F	Х	F	Sedimentation/Siltation  Alteration in stream-side or littoral vegetative covers Low flow alterations  Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones Irrigated Crop Production Rangeland Grazing Silviculture Harvesting
Middle Blackfoot	MT76F004_100	MONTURE CREEK, headwaters to mouth (Blackfoot River)	4A	30.27	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
Middle Blackfoot	MT76F004_110	KLEINSCHMIDT CREEK, 1.5 miles upstream to mouth (North Fork Blackfoot River)	<b>5</b>	1.56	MILES	B-1	Р	F	N	F	Alteration in stream-side or littoral vegetative covers Arsenic Copper	Grazing in Riparian or Shoreline Zones Impacts from Hydrostructure Flow Regulation/modification Managed Pasture Grazing

<b>HUC</b> 17010203	Blackfoot	Waters	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Blackfoot	MT76F004_110	KLEINSCHMIDT CREEK, 1.5 miles upstream to mouth (North Fork Blackfoot River)	5	1.56	MILES	B-1	Р	F	N	F	Sedimentation/Siltation Temperature, water	Source Unknown
Middle Blackfoot	MT76F005_020	RICHMOND CREEK, headwaters to mouth (Lake Alva)	4A	4.02	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use)
Middle Blackfoot	MT76F005_030	DEER CREEK, headwaters to mouth (Seeley Lake)	4A	10.86	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Harvesting
Middle Blackfoot	MT76F005_040	WEST FORK CLEARWATER RIVER, headwaters to mouth (Clearwater River)	4A	15.14	MILES	B-1	Р	F	F	P	Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation	
Middle Blackfoot	MT76F005_060	BLANCHARD CREEK, North Fork to mouth (Clearwater River)	4A	2.36	MILES	B-1	Р	F	F	N	Alteration in stream-side or littoral vegetative covers Low flow alterations Sedimentation/Siltation	Agriculture Flow Alterations from Water Diversions Grazing in Riparian or Shoreline Zones Highway/Road/Bridge Runoff (Non-construction Related)
Lower Blackfoot	MT76F006_010	UNION CREEK, headwaters to mouth (Blackfoot River)	5	21.57	MILES	B-1	N	F	F	P	Arsenic Cause Unknown Copper Iron Phosphorus (Total) Physical substrate habitat alterations Solids (Suspended/Bedload) Temperature, water	Animal Feeding Operations (NPS) Flow Alterations from Water Diversions Impacts from Abandoned Mine Lands (Inactive) Rangeland Grazing Source Unknown Streambank Modifications/destablization
Lower Blackfoot	MT76F006_020	WEST FORK ASHBY CREEK, headwaters to mouth (East Fork Ashby Creek)	5	3.1	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Phosphorus (Total) Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Activities Source Unknown
Lower Blackfoot	MT76F006_031	ELK CREEK, headwaters to Stinkwater Creek	5	8.5	MILES	B-1	Р	F	F	F	Cadmium  Nitrogen, Nitrate  Physical substrate habitat alterations	Forest Roads (Road Construction and Use) Placer Mining Streambank Modifications/destablization

<b>HUC</b> 17010203	Blackfoot	Water	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Blackfoot	MT76F006_031	ELK CREEK, headwaters to Stinkwater Creek	5	8.5	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	
Lower Blackfoot	MT76F006_032	ELK CREEK, Stinkwater Creek to mouth (Blackfoot River)	4A	5.59	MILES	B-1	Р	F	Х	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones Streambank Modifications/destablization
Lower Blackfoot	MT76F006_040	KENO CREEK, headwaters to mouth (Elk Creek)	4A	2.87	MILES	B-1	N	F	Х	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Harvesting
Lower Blackfoot	MT76F006_050	EAST FORK ASHBY CREEK	5	3.9	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrate/Nitrite (Nitrite + Nitrate as N) Phosphorus (Total) Sedimentation/Siltation	Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones Silviculture Activities Source Unknown
Lower Blackfoot	MT76F006_060	CAMAS CREEK, 1 mile above mouth to mouth (Union Creek)	5	1.63	MILES	B-1	P	F	F	F	Low flow alterations Phosphorus (Total) Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones Irrigated Crop Production Upstream Source
Lower Blackfoot	MT76F006_070	BELMONT CREEK, headwaters to mouth (Blackfoot River)	4A	10.6	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use)  Grazing in Riparian or Shoreline Zones
Lower Blackfoot	MT76F006_090	WASHOE CREEK, Headwater to mouth (Union Creek)	5	6.12	MILES	B-1	P	F	F	Р	Chlorophyll-a Nitrate/Nitrite (Nitrite + Nitrate as N) Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation	Open Pit Mining Silviculture Harvesting Source Unknown
Nevada Creek	MT76F007_020	NEVADA LAKE, reservoir of Nevada Creek	5	352.6	ACRES	B-1	Р	F	F	P	Nitrogen (Total) Oxygen, Dissolved Phosphorus (Total) Sedimentation/Siltation Total Kjehldahl Nitrogen (TKN)	Source Unknown Upstream/Dowstream Source

HUC	17010205	Bitterroot	Waters	shed	Upper	Clark Fo	rk						
TMDL Pla	nning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Bitterroot		MT76H001_010	BITTERROOT RIVER, East and West forks to Skalkaho Creek	5	27.21	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Copper	Grazing in Riparian or Shoreline Zones Rangeland Grazing Source Unknown
Bitterroot		MT76H001_020	BITTERROOT RIVER, Skalkaho Creek to Eightmile Creek	5	34.34	MILES	B-1	N	F	X	N	Low flow alterations  Nitrate/Nitrite (Nitrite + Nitrate as N)  Phosphorus (Total)  Sedimentation/Siltation	Streambank Modifications/destablization  Agriculture  Habitat Modification - other than Hydromodification  Irrigated Crop Production  Wet Weather Discharges (Point Source and
Bitterroot		MT76H001_030	BITTERROOT RIVER, Eightmile Creek to mouth (Clark Fork River)	5	23.6	MILES	B-1	N	F	F	F	Temperature, water  Alteration in stream-side or littoral vegetative covers Copper Lead	Combination of Stormwater, SSO or CSO)  Agriculture  On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Rangeland Grazing
												Nitrogen, Nitrate Sedimentation/Siltation Temperature, water	Sediment Resuspension (Contaminated Sediment) Streambank Modifications/destablization Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
Bitterroot H	Headwaters	MT76H002_010	EAST FORK BITTERROOT RIVER, Anaconda-Pintlar Wilderness boundary to mouth (Bitterroot River)	5	30.77	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Copper Lead Sedimentation/Siltation Temperature, water	Channelization Grazing in Riparian or Shoreline Zones Highways, Roads, Bridges, Infrasturcture (New Construction) Source Unknown Streambank Modifications/destablization Watershed Runoff following Forest Fire
Bitterroot H	Headwaters	MT76H002_020	REIMEL CREEK, headwaters to mouth (East Fork Bitterroot River)	4A	7.71	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Agriculture Natural Sources
Bitterroot H	Headwaters	MT76H002_030	MEADOW CREEK, headwaters to mouth (East Fork Bitteroot River)	n 5	9.77	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones
Bitterroot H	Headwaters	MT76H002_070	LAIRD CREEK, headwaters to mouth (East Fork Bitterroot River), T2N R20	4A	5.74	MILES	B-1	Р	Х	Х	Х	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)

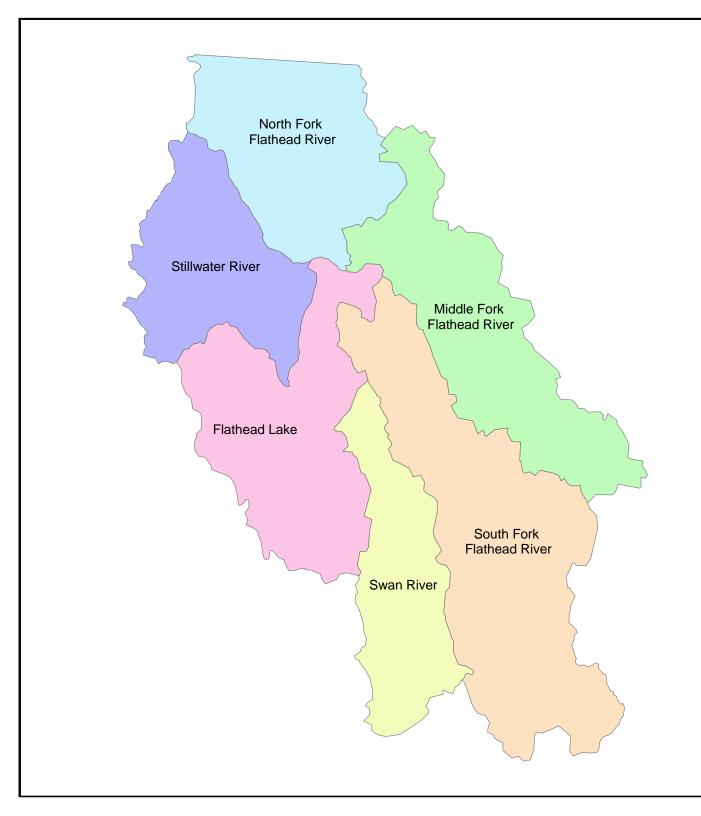
<b>HUC</b> 17010205	Bitterroot	Waters	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Bitterroot Headwaters	MT76H002_070	LAIRD CREEK, headwaters to mouth (East Fork Bitterroot River), T2N R20 S35	4A	5.74	MILES	B-1	Р	х	Х	Х	Sedimentation/Siltation	Silviculture Activities
Bitterroot Headwaters	MT76H002_080	GILBERT CREEK, headwaters to mouth (Laird Creek), T1N R20W S10	4A	2.29	MILES	B-1	Р	Х	Х	Х	Alteration in stream-side or littoral vegetative covers Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Activities
Bitterroot Headwaters	MT76H003_010	WEST FORK BITTERROOT RIVER, headwaters to mouth	4A	39.4	MILES	B-1	Р	F	Х	F	Physical substrate habitat alterations  Sedimentation/Siltation  Temperature, water	Highway/Road/Bridge Runoff (Non-construction Related) Highways, Roads, Bridges, Infrasturcture (New Construction)
Bitterroot Headwaters	MT76H003_020	NEZ PERCE FORK BITTERROOT RIVER, headwaters to mouth (West Fork Bitterroot River)	4A	15.23	MILES	B-1	Р	F	F	F	Temperature, water	Streambank Modifications/destablization  Forest Roads (Road Construction and Use)  Loss of Riparian Habitat
Bitterroot Headwaters	MT76H003_040	HUGHES CREEK, headwaters to the mouth (West Fork Bitterroot River)	4A	18.33	MILES	B-1	N	F	F	F	Alteration in stream-side or littoral vegetative covers Physical substrate habitat alterations	Channelization Impacts from Abandoned Mine Lands (Inactive)
											Sedimentation/Siltation  Temperature, water	Placer Mining Source Unknown
Bitterroot Headwaters	MT76H003_050	OVERWHICH CREEK, headwaters to mouth (West Fork Bitterroot River)	5	17.59	MILES	B-1	Р	F	F	F	Sedimentation/Siltation Temperature, water	Highway/Road/Bridge Runoff (Non-construction Related) Natural Sources
												Site Clearance (Land Development or Redevelopment)
Bitterroot Headwaters	MT76H003_060	DITCH CREEK, headwaters to mouth (West Fork Bitterroot River)	4A	2.78	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Harvesting
Bitterroot Headwaters	MT76H003_070	BUCK CREEK, headwaters to mouth (West Fork Bitterroot), T1N R22W S36	4A	2.51	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	
Bitterroot	MT76H004_010	BASS CREEK, Selway-Bitterroot Wilderness boundary to mouth (un- named channel of Bitterroot River), T9N R20W S3	5	5.07	MILES	B-1	P	F	F	F	Low flow alterations  Nitrogen (Total)  Sedimentation/Siltation	Agriculture  Dam or Impoundment  Flow Alterations from Water Diversions  Irrigated Crop Production  Loss of Riparian Habitat
												Natural Sources

<b>HUC</b> 17010205	Bitterroot	Waters	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Bitterroot	MT76H004_010	BASS CREEK, Selway-Bitterroot Wilderness boundary to mouth (un- named channel of Bitterroot River), T9N R20W S3	5	5.07	MILES	B-1	Р	F	F	F		Source Unknown
Bitterroot	MT76H004_020	KOOTENAI CREEK, Selway-Bitterroot Wilderness boundary to mouth (Bitterroot River)	4C	5.63	MILES	B-1	P	F	Х	P	Alteration in stream-side or littoral vegetative covers Low flow alterations	Agriculture
Bitterroot	MT76H004_031	BEAR CREEK, Selway-Bitterroot Wilderness boundary to mouth (Fred Burn Creek), T7N R20W S7	4C	8.3	MILES	B-1	Х	F	Х	Р	Low flow alterations	Agriculture
Bitterroot	MT76H004_032	NORTH CHANNEL BEAR CREEK, headwater to the mouth (Fred Burr Creek), T8N R20W S32	4C	4.38	MILES	B-1	Х	F	Х	Р	Low flow alterations	Agriculture
Bitterroot	MT76H004_040	MILL CREEK, Selway-Bitterroot Wilderness boundary to the mouth (Fred Burr Creek), T7N R20W S19	5	8.72	MILES	B-1	Р	X	X	P	Alteration in stream-side or littoral vegetative covers Low flow alterations  Temperature, water	Grazing in Riparian or Shoreline Zones Highways, Roads, Bridges, Infrasturcture (New Construction) Impacts from Hydrostructure Flow Regulation/modification Loss of Riparian Habitat Site Clearance (Land Development or Redevelopment)
Bitterroot	MT76H004_050	BLODGETT CREEK, Selway-Bitterroot Wilderness boundary to mouth (Bitterroot River)	4C	13.63	MILES	B-1	Р	F	Х	Р	Low flow alterations	Agriculture
Bitterroot	MT76H004_070	LOST HORSE CREEK, headwaters to mouth (Bitterroot River)	4C	20.61	MILES	B-1	F	F	Х	Р	Low flow alterations	Agriculture
Bitterroot	MT76H004_080	TIN CUP CREEK, Selway-Bitterroot Wilderness boundary to mouth (Bitteroot River)	5	7.95	MILES	B-1	P	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total)	Irrigated Crop Production  Loss of Riparian Habitat  Natural Sources  Silviculture Activities  Source Unknown
Bitterroot	MT76H004_090	SLEEPING CHILD CREEK, headwaters to mouth (Bitterroot River)	5	24.93	MILES	B-1	Р	F	Х	P	Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation Temperature, water	Agriculture Highway/Road/Bridge Runoff (Non-construction Related) Silviculture Activities
Bitterroot	MT76H004_100	SKALKAHO CREEK, headwaters to mouth (Bitterroot River)	5	27.8	MILES	B-1	F	F	N	Р	Low flow alterations	Agriculture

<b>HUC</b> 17010205	Bitterroot	Waters	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Bitterroot	MT76H004_100	SKALKAHO CREEK, headwaters to mouth (Bitterroot River)	5	27.8	MILES	B-1	F	F	N	Р	Mercury	Irrigated Crop Production Source Unknown
Bitterroot	MT76H004_110	WILLOW CREEK, headwaters to mouth (Bitterroot River)	5	17.16	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Flow Alterations from Water Diversions  Irrigated Crop Production
											Nitrogen (Total)	Loss of Riparian Habitat
											Sedimentation/Siltation	Natural Sources
											Temperature, water	Silviculture Activities
												Source Unknown
Bitterroot	MT76H004_120	AMBROSE CREEK, headwaters to mouth (Threemile Creek)	5	11.7	MILES	B-1	N	F	х	Р	Nitrogen (Total)	Agriculture
		mount (Threenine Oreck)									Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Physical substrate habitat alterations	Loss of Riparian Habitat
											Sedimentation/Siltation	
Bitterroot	MT76H004_130	MILLER CREEK, headwaters to mouth (Bitterroot River)	5	18.34	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Crop Production (Crop Land or Dry Land)  Grazing in Riparian or Shoreline Zones
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Loss of Riparian Habitat
											Phosphorus (Total)	Silviculture Activities
											Sedimentation/Siltation	Silviculture Harvesting
											Temperature, water	Source Unknown
Bitterroot	MT76H004_140	THREEMILE CREEK, headwaters to mouth (Bitterroot River)	5	17.96	MILES	B-1	N	F	Х	Х	Low flow alterations	Agriculture
		mount (Sitter out 1470)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Irrigated Crop Production
											Phosphorus (Total)	Rangeland Grazing
											Sedimentation/Siltation	
Bitterroot	MT76H004_150	McCLAIN CREEK, headwaters to mouth (Sin-tin-tin-em-ska Creek), T11N R20W S23	4A	7.12	MILES	B-1	Р	F	Х	Х	Sedimentation/Siltation	Forest Roads (Road Construction and Use)
Bitterroot	MT76H004_160	NORTH FORK RYE CREEK, headwater to mouth (Rye Creek-Bitterroot River, South of Darby)	s 5	7.08	MILES	B-1	Р	F	Х	F	Alteration in stream-side or littoral vegetative covers Nitrogen (Total) Phosphorus (Total)	Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones Streambank Modifications/destablization

<b>HUC</b> 17010205	Bitterroot	Waters	shed	Upper	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Bitterroot	MT76H004_170	LICK CREEK, headwaters to mouth	5	6.39	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Grazing in Riparian or Shoreline Zones
		(Bitterroot River)									vegetative covers Chlorophyll-a	Livestock (Grazing or Feeding Operations)
											Nitrogen (Total)	Natural Sources
											Phosphorus (Total)	Silviculture Activities
											Sedimentation/Siltation	Source Unknown
Bitterroot	MT76H004_180	MUDDY SPRING CREEK, headwaters to	5	2.04	MILES	B-1	Р	F	F	F	Nitrate/Nitrite (Nitrite + Nitrate as N)	Rangeland Grazing
		mouth (Gold Creek) T7N R19W S2									Sedimentation/Siltation	Source Unknown
Bitterroot	MT76H004_190	RYE CREEK, North Fork to mouth (Bitterroot River)	5	5.98	MILES	B-1	Р	F	Х	Х	Alteration in stream-side or littoral vegetative covers	Animal Feeding Operations (NPS)
		(DilleHoot River)									Nitrogen (Total)	Forest Roads (Road Construction and Use)
											Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Silviculture Activities
Bitterroot	MT76H004_200	NORTH BURNT FORK CREEK,	5	10.94	MILES	B-1	Р	F	F	F	Bottom Deposits	Grazing in Riparian or Shoreline Zones
		confluence with South Burnt Fork Creek to Mouth (Bitterroot River)									Nitrogen (Total)	Irrigated Crop Production
											Phosphorus (Total)	
Bitterroot	MT76H004_210	SWEATHOUSE CREEK, headwaters to	5	11.62	MILES	B-1	Р	х	х	N	Alteration in stream-side or littoral	Agriculture
		mouth (Bitterroot River)									vegetative covers  Low flow alterations	Loss of Riparian Habitat
											Phosphorus (Total)	Site Clearance (Land Development or
											Sedimentation/Siltation	Redevelopment)
Bitterroot	MT76H005_011	LOLO CREEK, Mormon Creek to mouth	4A	3.12	MILES	B-1	Р	F	Х	Р	Low flow alterations	Agriculture
		(Bitterroot River)									Physical substrate habitat alterations	Habitat Modification - other than Hydromodification
											Sedimentation/Siltation	Site Clearance (Land Development or Redevelopment)
Bitterroot	MT76H005_012	LOLO CREEK, Sheldon Creek to	4A	14.14	MILES	B-1	Р	F	Х	F	Physical substrate habitat alterations	Agriculture
		Mormon Creek									Sedimentation/Siltation	Silviculture Activities
												Streambank Modifications/destablization
Bitterroot	MT76H005_013	LOLO CREEK, headwaters to Sheldon	4A	14.24	MILES	B-1	Р	F	Х	F	Physical substrate habitat alterations	Habitat Modification - other than Hydromodification
		Creek									Sedimentation/Siltation	Highways, Roads, Bridges, Infrasturcture (New Construction)

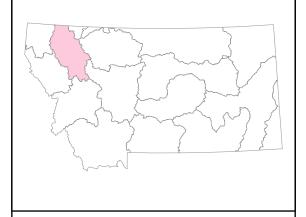
<b>HUC</b> 17010205	Bitterroot	Water	shed	Upper	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Bitterroot	MT76H005_013	LOLO CREEK, headwaters to Sheldon Creek	4A	14.24	MILES	B-1	Р	F	Х	F		Silviculture Activities
Bitterroot	MT76H005_020	SOUTH FORK LOLO CREEK, Selway- Bitterroot Wilderness boundary to mouth	4C	6.87	MILES	B-1	Р	F	F	Р	Low flow alterations	Forest Roads (Road Construction and Use)
		(Lolo Creek)	I								Physical substrate habitat alterations	Impacts from Hydrostructure Flow Regulation/modification Silviculture Activities
Upper Lolo	MT76H005_030	GRANITE CREEK, headwaters to mouth (Lolo Creek)	n 4A	9.39	MILES	B-1	Р	F	Х	Х	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)
		, ,									Fish-Passage Barrier	Silviculture Activities
											Sedimentation/Siltation	
Upper Lolo	MT76H005_040	EAST FORK LOLO CREEK, headwaters	s 4A	9.12	MILES	B-1	Р	Х	Х	х	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		to mouth (Confluence with Lolo Creek)									vegetative covers Fish-Passage Barrier	Highway/Road/Bridge Runoff (Non-construction Related)
											Sedimentation/Siltation	Silviculture Activities
Upper Lolo	MT76H005_050	WEST FORK LOLO CREEK, headwater	s 4A	7.37	MILES	B-1	Р	F	х	Х	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		to mouth (Lolo Creek)									vegetative covers Sedimentation/Siltation	Highway/Road/Bridge Runoff (Non-construction
												Related) Streambank Modifications/destablization
Upper Lolo	MT76H005_060	LOST PARK CREEK, headwaters to	4A	5.08	MILES	B-1	Р	Х	х	Х	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
		mouth (Confluence with East Fork Lolo Creek)									vegetative covers Fish-Passage Barrier	Silviculture Harvesting
											Sedimentation/Siltation	
Upper Lolo	MT76H005 070	LEE CREEK, headwaters to mouth (Wes	st 4A	3.8	MILES	B-1	Р	F	Х	F	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
-11		Fork Lolo Creek)		<del>-</del>	9		•	-		•	vegetative covers	Silviculture Activities
											Sedimentation/Siltation	
												Streambank Modifications/destablization



# Flathead Sub-Major Basin

# **Columbia River Basin**

USGS HUC	HUC NAME
17010206	North Fork Flathead River
17010207	Middle Fork Flathead River
17010208	Flathead Lake
17010209	South Fork Flathead River
17010210	Stillwater River (Flathead R)
17010211	Swan River



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<b>HUC</b> 17010206	North Fork Flat	head Wate	rshed									
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Big Creek (Columbia)	MT76Q002_050	BIG CREEK, tributary to North Fork of the Flathead River	4C	16.68	MILES	B-1	Р	F	Х	F	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use) Streambank Modifications/destablization
Flathead Headwaters	MT76Q002_070	COAL CREEK, headwaters to South Fork	4C	10.4	MILES	B-1	Р	Х	Х	Х	Alteration in stream-side or littoral vegetative covers	
Flathead Headwaters	MT76Q002_080	COAL CREEK, South Fork to mouth (North Fork Flathead)	4A	9.57	MILES	B-1	Р	F	Х	F	Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Harvesting

#### **Appendix A: Impaired Waters HUC** 17010207 Middle Fork Flathead Watershed Flathead Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Flathead Headwaters MT76I002\_040 CHALLENGE CREEK, headwaters to 4.77 MILES P F F F Phosphorus (Total) Silviculture Activities B-1 mouth (Granite Creek)

<b>HUC</b> 17010208	Flathead Lake	Water	shed	Flathe	ad							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Flathead - Stillwater	MT76O002_010	ASHLEY CREEK, Ashley Lake to Smith	5	15.64	MILES	B-1	Р	F	Х	Р	Alteration in stream-side or littoral	Channelization
		Lake									vegetative covers Chlorophyll-a	Crop Production (Crop Land or Dry Land)
											Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Oxygen, Dissolved	Loss of Riparian Habitat
											Phosphorus (Total)	Source Unknown
											Sedimentation/Siltation	
											Temperature, water	
Flathead - Stillwater	MT76O002_020	ASHLEY CREEK, Smith Lake to Kalispe Airport Road	ell 4C	14.17	MILES	B-2	X	F	X	Р	Low flow alterations	Agriculture
Flathead - Stillwater	MT76O002_030	ASHLEY CREEK, Kalispell airport road to mouth (Flathead River)	5	13.17	MILES	C-2	Р	F		Р	Alteration in stream-side or littoral vegetative covers Chlorophyll-a	Discharges from Municipal Separate Storm Sewer Systems (MS4) Irrigated Crop Production
											Excess Algal Growth	Municipal Point Source Discharges
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Upstream Source
											Nitrogen (Total)	
											Oxygen, Dissolved	
											Phosphorus (Total)	
											Temperature, water	
Flathead - Stillwater	MT76O002_040	SPRING CREEK, headwaters to mouth	5	4.8	MILES	B-1	N	F	N	N	Alteration in stream-side or littoral	Agriculture
		(Ashley Creek)									vegetative covers Arsenic	Baseflow Depletion from Groundwater Withdrawals
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Channelization
											Nitrogen (Total)	Flow Alterations from Water Diversions
											Other flow regime alterations	Loss of Riparian Habitat
											Oxygen, Dissolved	Source Unknown
											Phosphorus (Total)	
											Physical substrate habitat alterations	
Flathead - Stillwater	MT76O002_050	FISH CREEK, headwaters to mouth	5	2.39	MILES	B-1	Р	F	1	Х	Phosphorus (Total)	Silviculture Activities
		(Ashley Lake)									Sedimentation/Siltation	Source Unknown
											Solids (Suspended/Bedload)	

<b>HUC</b> 17010208	Flathead Lake		Watershed	Flathe	ead							
TMDL Planning Area	ID305B	Waterbody Name/Location	Cate	gory Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Flathead Lake	MT76O003_010	FLATHEAD LAKE	5	122252	. ACRES	A-1	Р	F	F	F	Mercury	Atmospheric Depositon - Nitrogen
											Nitrogen (Total)	Impacts from Hydrostructure Flow
											Phosphorus (Total)	Regulation/modification  Municipal Point Source Discharges
											Polychlorinated biphenyls	Silviculture Harvesting
											Sedimentation/Siltation	Source Unknown
												Unspecified Urban Stormwater
												Upstream Impoundments (e.g., PI-566 NRCS Structures)
Flathead Lake	MT76O004_020	LAKE MARY RONAN	4C	6.8	ACRES	A-1	Т	F	Х	F	Chlorophyll-a	Agriculture
												Grazing in Riparian or Shoreline Zones
												Silviculture Activities

#### **Appendix A: Impaired Waters HUC** 17010209 South Fork Flathead Watershed Flathead Waterbody Name/Location TMDL Planning Area Category Size ID305B Units Use AqL AG DW Rec Cause Name Source Name Class Flathead Headwaters MT76J001\_010 SOUTH FORK FLATHEAD RIVER, 4C MILES Other flow regime alterations 5.31 B-1 X F X PHungry Horse Dam to mouth

<b>HUC</b> 17010210	Stillwater	Waters	shed	Flathea	ad							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Flathead - Stillwater	MT76P001_010	STILLWATER RIVER, Logan Creek to mouth	5	45.61	MILES	B-2	Р	F	N	F	Alteration in stream-side or littoral vegetative covers Lead Nitrates Phosphorus (Total) Sedimentation/Siltation	Loss of Riparian Habitat  Site Clearance (Land Development or Redevelopment)  Source Unknown
Flathead - Stillwater	MT76P001_030	LOGAN CREEK, headwaters to mouth (Tally Lake)	5	21.16	MILES	B-1	Р	F	Х	F	Other flow regime alterations  Physical substrate habitat alterations  Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Activities Streambank Modifications/destablization
Flathead - Stillwater	MT76P001_040	SINCLAIR CREEK, headwaters to mouth (Sheppard Creek)	1 4C	2.32	MILES	B-1	Х	Х	Х	Р	Low flow alterations	Agriculture Streambank Modifications/destablization
Flathead - Stillwater	MT76P001_050	SHEPPARD CREEK, headwaters to mouth (Griffin Creek-Logan Creek-Talley Lake)	5	15.92	MILES	B-1	N	F	F	P	Alteration in stream-side or littoral vegetative covers Nitrate/Nitrite (Nitrite + Nitrate as N) Phosphorus (Total) Sedimentation/Siltation	Crop Production (Crop Land or Dry Land) Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones Silviculture Harvesting
Flathead - Stillwater	MT76P003_010	WHITEFISH RIVER, Whitefish Lake to mouth (Stillwater River)	5	24.8	MILES	B-2	P	F	F	X	Copper Lead Nitrogen (Total) Oil and Grease PCB in Water Column Temperature, water	Industrial Point Source Discharge Silviculture Activities Site Clearance (Land Development or Redevelopment) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
Flathead - Stillwater	MT76P004_010	WHITEFISH LAKE	5	3349	ACRES	A-1	Т	F	х	F	Mercury Polychlorinated biphenyls Sedimentation/Siltation	Forest Roads (Road Construction and Use) Silviculture Activities Source Unknown

<b>HUC</b> 17010211	Swan	Waters	shed	Flathea	d							
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Swan	MT76K002_010	SWAN LAKE	4A	2680	ACRES	A-1	Т	F	F	F	BOD, sediment load (Sediment Oxygen Demand) Nitrogen (Total) Phosphorus (Total) Sedimentation/Siltation	Forest Roads (Road Construction and Use) Highways, Roads, Bridges, Infrasturcture (New Construction)
Swan	MT76K003_010	JIM CREEK, headwaters to mouth (Swar River), T21 R18W S8	n 4A	12.11	MILES	B-1	Р	F	Х	F	Sedimentation/Siltation	Silviculture Harvesting
Swan	MT76K003_031	GOAT CREEK, headwaters to Squeezer Creek	4A	9.71	MILES	B-1	Р	F	Х	F	Total Suspended Solids (TSS)	Highways, Roads, Bridges, Infrasturcture (New Construction) Silviculture Harvesting



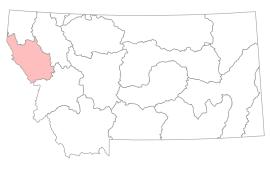
# Lower Clark Fork Sub-Major Basin

Columbia River Basin

USGS HUC HUC NAME

17010204 17010212 17010213 Middle Clark Fork Lower Flathead River

Lower Clark Fork



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<b>HUC</b> 17010213	Lower Clark For	rk <b>Water</b>	shed	Lower	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	/ Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clark Fork River	MT76N001_010	CLARK FORK RIVER, the Flathead River to Noxon Reservoir	5	38.05	MILES	B-1	Р	F	N	F	Cadmium	Dam Construction (Other than Upstream Flood
		RIVEL TO NOXOLI RESELVOII									Fish-Passage Barrier	Control Projects) Impacts from Abandoned Mine Lands (Inactive)
Clark Fork River	MT76N001_020	CLARK FORK RIVER, aka Cabinet Gorge Reservoir, Noxon Dam to Idaho Border	5	18.87	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Dissolved Gas Supersaturation	Dam Construction (Other than Upstream Flood Control Projects) Dam or Impoundment
											Other flow regime alterations	
											Temperature, water	
Middle Clark Fork	MT76N003_010	LYNCH CREEK, headwaters to mouth	5	13.33	MILES	B-1	N	F	F	N	Alteration in stream-side or littoral	Channelization
Tributaries		(Clark Fork River)									vegetative covers Low flow alterations	Forest Roads (Road Construction and Use)
											Nitrogen (Total)	Grazing in Riparian or Shoreline Zones
											Phosphorus (Total)	Irrigated Crop Production
											Sedimentation/Siltation	
											Temperature, water	
Prospect Creek	MT76N003_020	PROSPECT CREEK, headwaters to mouth (Clark Fork River)	4A	19.07	MILES	B-1	N	F	N	F	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
											Antimony	Mine Tailings
											Lead	Silviculture Activities
											Sedimentation/Siltation	
											Zinc	
Prospect Creek	MT76N003_021	ANTIMONY CREEK, headwaters to	4A	1.25	MILES	B-1	N	Х	N	Х	Antimony	Mill Tailings
		mouth (Prospect Creek)									Arsenic	Natural Sources
											Lead	
Prospect Creek	MT76N003_022	COX GULCH headwaters to mouth	5	3.61	MILES	B-1	N	N	N	Х	Antimony	Mill Tailings
		(Prospect Creek)									Lead	
											Zinc	
Lower Clark Fork	MT76N003_030	BEAVER CREEK, headwaters to mouth	4C	25.41	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral	Forest Roads (Road Construction and Use)
Tributaries		(Confluence with Clark Fork River)									vegetative covers	Grazing in Riparian or Shoreline Zones
												Natural Sources

**HUC** 17010213 Lower Clark Fork Watershed Lower Clark Fork TMDL Planning Area ID305B Waterbody Category Size Units Use AqL AG DW Rec **Cause Name** Source Name Name/Location Class Lower Clark Fork MT76N003 040 BULL RIVER, the North Fork to mouth 4A 25.18 MILES B-1 F X Physical substrate habitat alterations Silviculture Activities Tributaries (Cabinet Gorge Reservoir) Sedimentation/Siltation Streambank Modifications/destablization Prospect Creek MT76N003 050 CLEAR CREEK, headwaters to mouth 4A 12.09 MILES B-1 Ρ F Alteration in stream-side or littoral Forest Roads (Road Construction and Use) (Prospect Creek) vegetative covers Streambank Modifications/destablization Sedimentation/Siltation Elk Creek MT76N003 060 ELK CREEK, headwaters to mouth 4A 8.04 MILES B-1 Sedimentation/Siltation Grazing in Riparian or Shoreline Zones (Cabinet Gorge Reservoir) Habitat Modification - other than Hydromodification Hardrock Mining Discharges (Permitted) Prospect Creek MT76N003 070 DRY CREEK, headwaters (confluence of 4A 4.23 MILES B-1 Alteration in stream-side or littoral Highways, Roads, Bridges, Infrasturcture (New East andWest Forks) to mouth (Prospect vegetative covers Construction) Creek) Chlorophyll-a Rangeland Grazing Sedimentation/Siltation Lower Clark Fork MT76N003 080 GRAVES CREEK, headwaters to mouth 4C 10.52 MILES B-1 Р X Alteration in stream-side or littoral Grazing in Riparian or Shoreline Zones Tributaries (Clark Fork River) vegetative covers Highway/Road/Bridge Runoff (Non-construction Related) Lower Clark Fork MT76N003\_090 MARTEN CREEK, headwaters to mouth 4A MILES Forest Roads (Road Construction and Use) 6.78 B-1 Р Χ Physical substrate habitat alterations Tributaries (Noxon Reservoir) Sedimentation/Siltation Silviculture Activities Streambank Modifications/destablization Lower Clark Fork MT76N003 100 PILGRIM CREEK, headwaters to mouth 4C 6.91 MILES Х Physical substrate habitat alterations Channelization A-1 Tributaries (Cabinet Gorge Reservoir) Grazing in Riparian or Shoreline Zones Streambank Modifications/destablization Lower Clark Fork MT76N003 120 WHITE PINE CREEK, headwaters to 12.37 MILES Alteration in stream-side or littoral Forest Roads (Road Construction and Use) Tributaries mouth (Beaver Creek) vegetative covers Grazing in Riparian or Shoreline Zones Sedimentation/Siltation Natural Sources Temperature, water Silviculture Harvesting Streambank Modifications/destablization Watershed Runoff following Forest Fire VERMILION RIVER, headwaters to Lower Clark Fork MT76N003\_130 4C 22.84 MILES B-1 X Alteration in stream-side or littoral Silviculture Activities mouth (Noxon Reservoir) Tributaries vegetative covers

**HUC** 17010213 Lower Clark Fork Watershed Lower Clark Fork Category Size TMDL Planning Area ID305B Waterbody Units Use AgL AG DW Rec **Cause Name** Source Name Name/Location Class Lower Clark Fork MT76N003\_130 VERMILION RIVER, headwaters to 4C 22.84 MILES B-1 Р F X X Streambank Modifications/destablization Tributaries mouth (Noxon Reservoir) Lower Clark Fork MT76N003 140 SWAMP CREEK, Cabinet Mountains 4A 9.75 MILES A-1 Х Х Х Sedimentation/Siltation Loss of Riparian Habitat Tributaries Wilderness boundary to mouth (Noxon Reservoir) Middle Clark Fork MT76N003\_160 SWAMP CREEK, West Fork Swamp F Alteration in stream-side or littoral Channelization 5 4 76 MILES B-1 Ν F Tributaries Creek to mouth (Clark Fork River), T20N vegetative covers Forest Roads (Road Construction and Use) R27W S3 Nitrate/Nitrite (Nitrite + Nitrate as N) Grazing in Riparian or Shoreline Zones Nitrogen (Total) Silviculture Harvesting Phosphorus (Total) Source Unknown Sedimentation/Siltation Middle Clark Fork MT76N003 170 HENRY CREEK, headwaters to mouth 5 MILES Alteration in stream-side or littoral Channelization 7.1 B-1 Tributaries (Clark Fork River), T19N R26W S1 vegetative covers Flow Alterations from Water Diversions Low flow alterations Forest Roads (Road Construction and Use) Nitrogen (Total) Grazing in Riparian or Shoreline Zones Phosphorus (Total) Source Unknown Sedimentation/Siltation Lower Clark Fork MT76N003\_180 DRY CREEK, headwaters to mouth (Bull 4A MILES Sedimentation/Siltation 4.1 B-1 F F Forest Roads (Road Construction and Use) Tributaries River), T28N R33W S32 Lower Clark Fork MT76N003\_190 ROCK CREEK, headwaters to mouth 11.1 MILES B-1 F Other anthropogenic substrate alterations Silviculture Activities Tributaries below the Noxon Dam McGREGOR CREEK, McGregor Lale to 5 MILES Thompson MT76N005 030 6.82 B-1 Ν F Other flow regime alterations Channelization mouth (Thompson River) Highway/Road/Bridge Runoff (Non-construction Phosphorus (Total) Related) Sedimentation/Siltation Hydrostructure Impacts on Fish Passage Temperature, water Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production Forest Roads (Road Construction and Use) Thompson MT76N005 040 LITTLE THOMPSON RIVER, headwaters 5 19 92 MILES B-1 Alteration in stream-side or littoral to mouth (Thompson River), T22N R25W vegetative covers Grazing in Riparian or Shoreline Zones S8 Phosphorus (Total) Silviculture Harvesting Sedimentation/Siltation MT76N005 060 LAZIER CREEK, headwaters to mouth MILES Alteration in stream-side or littoral Grazing in Riparian or Shoreline Zones Thompson 7.79 B-1 (Thompson River) vegetative covers Silviculture Activities Nitrate/Nitrite (Nitrite + Nitrate as N)

<b>HUC</b> 17010213	Lower Clark Fo	rk <b>Wate</b> r	shed	Lower	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Thompson	MT76N005_060	LAZIER CREEK, headwaters to mouth (Thompson River)	5	7.79	MILES	B-1	Р	F	F	Р	Nitrogen (Total) Phosphorus (Total)	Source Unknown
											Sedimentation/Siltation	
Thompson	MT76N005_070	MCGINNIS CREEK, headwaters to	5	5.12	MILES	B-1	Р	F	F	F	Fish-Passage Barrier	Forest Roads (Road Construction and Use)
		mouth (Little Thompson River)									Phosphorus (Total)	Grazing in Riparian or Shoreline Zones
											Sedimentation/Siltation	Habitat Modification - other than Hydromodification
												Silviculture Harvesting
												Source Unknown

<b>HUC</b> 17010212	Lower Flathead	Water	shed	Lower	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Lower Flathead	MT76L001_010	FLATHEAD RIVER, Flathead Reservation boundary to mouth (Clark Fork River)	5	4.24	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Nitrate/Nitrite (Nitrite + Nitrate as N) Nitrogen (Total) Other flow regime alterations Phosphorus (Total) Sedimentation/Siltation	Dam or Impoundment Impacts from Hydrostructure Flow Regulation/modification Irrigated Crop Production Natural Sources
											Temperature, water	
Lower Flathead	MT76L002_060	LITTLE BITTERROOT RIVER, Hubbart Reservoir to Flathead Reservation Boundary	5	5.2	MILES	B-2	Р	F	F	P	Chlorophyll-a Nitrate/Nitrite (Nitrite + Nitrate as N) Nitrogen (Total) Other flow regime alterations Phosphorus (Total) Sedimentation/Siltation	Upstream Impoundments (e.g., PI-566 NRCS Structures) Upstream Source
Lower Flathead	MT76L002_070	SULLIVAN CREEK, headwaters to Flathead Indian Reservation	5	3.9	MILES	B-1	N	P	N	N	Alteration in stream-side or littoral vegetative covers Aluminum  Cadmium  Escherichia coli  Phosphorus (Total)  Sedimentation/Siltation  Zinc pH	Grazing in Riparian or Shoreline Zones Impacts from Abandoned Mine Lands (Inactive) Mine Tailings Subsurface (Hardrock) Minining Surface Mining

<b>HUC</b> 17010204	Middle Clark Fo	ork <b>Water</b>	rshed	Lower	Clark Fo	ork						
TMDL Planning Area	ID305B	Waterbody Name/Location	Categor	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Clark Fork River	MT76M001_010	CLARK FORK RIVER, the Flathead	5	60.36	MILES	B-1	Р	F	F	Х	Copper	Mill Tailings
		River to Fish Creek									Lead	Municipal Point Source Discharges
											Nitrogen (Total)	
											Phosphorus (Total)	
Clark Fork River	MT76M001_020	CLARK FORK RIVER, Fish Creek to	5	52.6	MILES	B-1	Р	F	N	Р	Arsenic	Industrial Point Source Discharge
		Rattlesnake Creek									Cadmium	Mill Tailings
											Chlorophyll-a	Municipal Point Source Discharges
											Copper	
											Nitrogen (Total)	
											Organic Enrichment (Sewage) Biological Indicators	
											Phosphorus (Total)	
Clark Fork River	MT76M001_030	CLARK FORK RIVER, Rattlesnake	5	6.2	MILES	B-1	N	F	F	Х	Copper	Industrial Point Source Discharge
		Creek to Blackfoot River									Lead	Mill Tailings
											Nutrient/Eutrophication Biological Indicators	Upstream Impoundments (e.g., PI-566 NRCS Structures)
Middle Clark Fork Tributaries	MT76M002_010	TAMARACK CREEK, headwaters to mouth (Clark Fork River)	4C	9.47	MILES	B-1	Р	Х	Х	Х	Fish-Passage Barrier	Dam or Impoundment
Middle Clark Fork Tributaries	MT76M002_020	CEDAR CREEK, headwaters to mouth (Clark Fork River)	5	17.28	MILES	B-1	Р	F	F	Р	Low flow alterations	Flow Alterations from Water Diversions
Hibutaries		(Clark Fork River)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
											Nitrogen (Total)	
Middle Clark Fork Tributaries	MT76M002_050	TROUT CREEK, headwaters to mouth (Clark Fork River)	5	14.99	MILES	B-1	Р	F	Х	Х	Alteration in stream-side or littoral vegetative covers Physical substrate habitat alterations	Highways, Roads, Bridges, Infrasturcture (New Construction) Silviculture Activities
											Turbidity	Wet Weather Discharges (Non-Point Source)
Middle Clark Fork Tributaries	MT76M002_060	FISH CREEK, West and South Forks to mouth (Clark Fork River)	4C	9.19	MILES	B-1	Р	F	Х	F	Physical substrate habitat alterations	Highways, Roads, Bridges, Infrasturcture (New Construction)
Middle Clark Fork	MT76M002_090	PETTY CREEK, headwaters to mouth	5	12.2	MILES	B-1	Р	Х	Х	Р	Alteration in stream-side or littoral	Agriculture
Tributaries		(Clark Fork River)									vegetative covers Excess Algal Growth	Highways, Roads, Bridges, Infrasturcture (New
											Low flow alterations	Construction)

Tributaries   Packwaters to mouth (Petry Creek)   Proceed   Proceed   Proceed   Proceed   Proceed   Proceed   Proceed   Proceed   Procedure   Proceed   Procedure    <b>HUC</b> 17010204	Middle Clark Fo	ork <b>Water</b>	shed	Lower	Clark Fo	ork							
Tributaries  Clark Fork Rever)  WEST FORK PETTY CREEK, headwaters to mouth (Petry Creek) Tributaries  Midde Clark Fork Riveri  Midde Clark Fork Midde Clark Fork Midde Clark Fork Riveri  Midde Clark Fork Midde Clark Fork Midde Clark Fork Riveri  Midde Clark Fork Riveri  Midde Clark Fork Midde Cl	TMDL Planning Area	ID305B		Category	y Size	Units		AqL	AG	DW	Rec	Cause Name	Source Name
Middle Clark Fork Tributaries Register Fork PERTY CREEK, headwaters to mouth (Petty Croek) Ributaries Register Fork Register to mouth (Petty Croek) Ributaries Register Fork Register to mouth (Petty Croek) Ributaries Ributaries Register Fork Register to mouth (Petty Croek) Ributaries Ri		MT76M002_090		5	12.2	MILES	B-1	Р	Х	Х	Р	Sedimentation/Siltation	
Tributaries headwaters to mouth (Petry Creek)  ***Prophenius (Total)***Phosphorus (Total)**** ***Prophenius (Total)**** ***Prophenius (Total)*** ***Prophenius (Total)*** ***Prophenius (Total)*** ***Prophenius (Total)** ***	Hibutaries		(Clark Fork River)									Temperature, water	
Middle Clark Fork Tributaries		MT76M002_100		5	7.64	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Forest Roads (Road Construction and Use)
Middle Clark Fork Tributaries RATTESNAKE CREEK, headwaters to mouth (Clark Fork River) 4C 23.56 MILES A-CLOSED P F F F F X Differ flow regime alterations Control Projects) Flow Alterations from Water Diversions Provided Clark Fork River) Flow Alterations from Water Diversions Provided Clark Fork River) Flow Alterations from Water Diversions Provided Clark Fork River) Flow Alterations from Water Diversions Provided Clark Fork River) Flow Alterations from Water Diversions Provided Projects Proje	Tributaries		neadwaters to moduli (i etty creek)									Nitrate/Nitrite (Nitrite + Nitrate as N)	Silviculture Harvesting
Middle Clark Fork Tributaries  MT76M002_120  RATTLESNAKE CREEK, headwaters to 4C 23.56 MILES A- CLOSED P F X Other flow regime alterations  Dam Construction (Other than Upstream Fix Control Projects) Flow Alterations from Water Diversions of Projects) Flow Alterations from Water Diversions of Projects of Provided Clark Fork River)  Middle Clark Fork Tributaries  MT76M002_130  GRANT CREEK, headwaters to mouth (Clark Fork River)  And the foliation of the projects of the proje												Nitrogen (Total)	
Middle Clark Fork Tributaries  MT76M002_120  MT76M002_130  MT76M002_140  MT76M002_140  MT76M002_150  MT76M002_150  MT76M002_160												Phosphorus (Total)	
Tributaries  mouth (Clark Fork River)  MT76M002_130  GRANT CREEK, headwaters to mouth (Clark Fork River)  GRANT CREEK, headwaters to mouth (Clark Fork River)  MIddle Clark Fork Tributaries  MIGGIN CLARK Fork River)  MILL CREEK, headwaters to mouth (Clark Fork River)  MILL CREEK, headwaters to mouth (Clark Fork River)  MILL CREEK, headwaters to mouth (Clark Fork River)  MICGIN FOR River near Frenchtown)  MICGIN FORK River near Frenchtown:  MICCIN FORK River n												Sedimentation/Siltation	
Tributaries  (Clark Fork River)  (Clark Fork R		MT76M002_120		4C	23.56	MILES			F	F	Х	Other flow regime alterations	• •
Excess Algal Growth Irrigated Crop Production  Low flow alterations Loss of Riparian Habitat  Low flow alterations Alteration is tream-side or littoral vegetative covers  Middle Clark Fork Tributaries  MI76M002_160  MILL CREEK, headwaters to mouth (Clark Fork River)  MICHANGE (Park Fork River)  MICHANGE (Park Fork River)  MICHANGE (Park Fork River)  MILL CREEK, headwaters to mouth (Clark Fork River)  MILL CREEK, headwaters to mouth (Park Fork River)  MILL CREEK, headwaters to mouth (P		MT76M002_130		5	18.78	MILES	B-1	Р	F	F	Р		Flow Alterations from Water Diversions
Middle Clark Fork Tributaries  MIT6M002_150  SIXMILE CREEK, headwaters to mouth Clark Fork River)  Middle Clark Fork Tributaries  Middle Clark Fork Tributaries  MIT6M002_160  NEMOTE CREEK, headwaters to mouth Clark Fork River)  Middle Clark Fork River near Frenchtown  Middle Clark Fork River)  MIT6M002_160  NEMOTE CREEK, headwaters to mouth Streambank Modifications/destablization  Milles  Willes   Tributaries		(Clark Fork River)									•	Irrigated Crop Production	
Redevelopment) Streambank Modifications/destablization Temperature, water  MIDDING Clark Fork Tributaries  MIDDING CLARK Fork												Low flow alterations	Loss of Riparian Habitat
Sedimentation/Siltation Streambank Modifications/destablization Temperature, water  MITGM002_140 MILL CREEK, headwaters to mouth Clark Fork River near Frenchtown)  Middle Clark Fork River near Frenchtown)  MIGDIA CREEK, headwaters to mouth (Clark Fork River near Frenchtown)  MIGDIA CREEK, headwaters to mouth (Clark Fork River near Frenchtown)  MIGDIA CREEK, headwaters to mouth (Clark Fork River)  MITGM002_150 SIXMILE CREEK, headwaters to mouth Clark Fork River)  MITGM002_160 NEMOTE CREEK, headwaters to mouth fributaries  MIGDIA CREEK, h												Nitrate/Nitrite (Nitrite + Nitrate as N)	
Middle Clark Fork Tributaries  MT76M002_140  MILL CREEK, headwaters to mouth (Clark Fork River near Frenchtown)  Middle Clark Fork Tributaries  MIT6M002_150  SIXMILE CREEK, headwaters to mouth (Clark Fork River)  MT76M002_160  NEMOTE CREEK, headwaters to mouth Tributaries  MILES  B-1  P F F F F F Alteration in stream-side or littoral vegetative covers  Golf Courses Grazing in Riparian or Shoreline Zones  MILES  B-1  P X X X X Alteration in stream-side or littoral vegetative covers  Silviculture Activities  Middle Clark Fork Tributaries  Middle Clark Fork MT76M002_160  NEMOTE CREEK, headwaters to mouth (confluence Clark Fork River)  NEMOTE CREEK, headwaters to mouth (confluence Clark Fork River)  Tributaries  MILES  B-1  P F F F P Chlorophyll-a  Dredge Mining												Sedimentation/Siltation	• •
Tributaries  (Clark Fork River near Frenchtown)  (Clark Fork River)  (Clark Fork R												Temperature, water	
Golf Courses Grazing in Riparian or Shoreline Zones  Middle Clark Fork Tributaries  MT76M002_150 SIXMILE CREEK, headwaters to mouth 4C 10.36 MILES B-1 P X X X X Alteration in stream-side or littoral vegetative covers  Middle Clark Fork MT76M002_160 NEMOTE CREEK, headwaters to mouth 5 10.38 MILES B-1 P F P Chlorophyll-a  Dredge Mining		MT76M002_140		4C	13.67	MILES	B-1	Р	F	F	F		Agriculture
Middle Clark Fork Tributaries  MT76M002_150  SIXMILE CREEK, headwaters to mouth 4C 10.36 MILES B-1 P X X X Alteration in stream-side or littoral vegetative covers  Glark Fork River)  MIDES B-1 P F F P Chlorophyll-a  Dredge Mining	Tributaries		(Clark Fork River flear Flenchlowit)									vegetative covers	Golf Courses
Tributaries (Clark Fork River) vegetative covers Silviculture Activities  Middle Clark Fork MT76M002_160 NEMOTE CREEK, headwaters to mouth 5 10.38 MILES B-1 P F P Chlorophyll-a Dredge Mining Tributaries (confluence Clark Fork River)													Grazing in Riparian or Shoreline Zones
Middle Clark Fork MT76M002_160 NEMOTE CREEK, headwaters to mouth 5 10.38 MILES B-1 P F F P Chlorophyll-a Dredge Mining Tributaries (confluence Clark Fork River)		MT76M002_150		4C	10.36	MILES	B-1	Р	х	х	Х		Rangeland Grazing
Tributaries (confluence Clark Fork River)	Tributaries		(Clark Fork River)									vegetative covers	Silviculture Activities
		MT76M002_160		n 5	10.38	MILES	B-1	Р	F	F	Р	Chlorophyll-a	Dredge Mining
Low flow alterations Flow Alterations from Water Diversions	Tributaries		(confluence Clark Fork River)									Low flow alterations	Flow Alterations from Water Diversions
Nitrate/Nitrite (Nitrite + Nitrate as N) Source Unknown												Nitrate/Nitrite (Nitrite + Nitrate as N)	Source Unknown
Nitrogen (Total)												Nitrogen (Total)	
Phosphorus (Total)												Phosphorus (Total)	
Temperature, water												Temperature, water	

<b>HUC</b> 17010204	Middle Clark Fo	ork <b>Water</b>	shed	Lower	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
Middle Clark Fork Tributaries	MT76M002_170	DRY CREEK, headwaters to mouth (Clark Fork River)	5	15.86	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral vegetative covers Low flow alterations	Flow Alterations from Water Diversions  Grazing in Riparian or Shoreline Zones
											Nitrate/Nitrite (Nitrite + Nitrate as N)	Natural Sources
											Nitrogen (Total)	Source Unknown
											Throgen (Total)	
Middle Clark Fork Tributaries	MT76M002_180	FLAT CREEK, headwaters to mouth (Clark Fork)	5	8.02	MILES	B-1	N	N	N	N	Antimony	Impacts from Abandoned Mine Lands (Inactive)
		(									Arsenic	Unspecified Unpaved Road or Trail
											Cadmium	
											Copper	
											Lead	
											Mercury	
											Physical substrate habitat alterations	
											Sedimentation/Siltation	
St. Regis	MT76M003_010	ST. REGIS RIVER, headwaters to mouth (Clark Fork River)	n 4A	40.3	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Channelization
											Other flow regime alterations	Highway/Road/Bridge Runoff (Non-construction Related)
											Sedimentation/Siltation	Highways, Roads, Bridges, Infrasturcture (New Construction)
											Temperature, water	Loss of Riparian Habitat
												Streambank Modifications/destablization
St. Regis	MT76M003_020	TWELVE MILE CREEK, headwaters to	4A	13.98	MILES	B-1	Р	F	F	F	Physical substrate habitat alterations	Channelization
		mouth (St. Regis River)									Sedimentation/Siltation	Forest Roads (Road Construction and Use)
											Temperature, water	Highway/Road/Bridge Runoff (Non-construction Related) Highways, Roads, Bridges, Infrasturcture (New Construction) Loss of Riparian Habitat
												Silviculture Activities
St. Regis	MT76M003_030	SILVER CREEK, headwaters to mouth (St. Regis River)	4C	4.96	MILES	A-1	Р	F	F	F	Other flow regime alterations	Highways, Roads, Bridges, Infrasturcture (New Construction) Impacts from Hydrostructure Flow Regulation/modification
St. Regis	MT76M003_040	BIG CREEK, the East and Middle Forks to mouth (St. Regis River)	4A	2.77	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Channelization

HUC 17010204	Middle Clark Fo	ork Water	shed	Lower	Clark Fo	ork						
FMDL Planning Area	ID305B	Waterbody Name/Location	Category	y Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name	Source Name
St. Regis	MT76M003_040	BIG CREEK, the East and Middle Forks to mouth (St. Regis River)	4A	2.77	MILES	B-1	Р	F	F	F	Temperature, water	Loss of Riparian Habitat
												Streambank Modifications/destablization
St. Regis	MT76M003_070	LITTLE JOE CREEK, North Fork to mouth (St. Regis River)	4A	2.6	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers Physical substrate habitat alterations	Highways, Roads, Bridges, Infrasturcture (New Construction) Natural Sources
											Sedimentation/Siltation	Streambank Modifications/destablization
St. Regis	MT76M003_080	NORTH FORK LITTLE JOE CREEK, headwaters to mouth (Little Joe Creek)	4A	10.82	MILES	B-1	Р	F	F	F	Sedimentation/Siltation	Highways, Roads, Bridges, Infrasturcture (New Construction) Streambank Modifications/destablization
linemile	MT76M004_010	NINEMILE CREEK, headwaters to mout	h 4A	26.85	MILES	B-1	Р	F	Х	F	Low flow alterations	Flow Alterations from Water Diversions
		(Clark Fork River)									Sedimentation/Siltation	Impacts from Abandoned Mine Lands (Inactive)
												Streambank Modifications/destablization
linemile	MT76M004_020	STONY CREEK, headwaters to mouth	5	7.07	MILES	B-1	Р	F	F	F	Phosphorus (Total)	Agriculture
		(Ninemile Creek)									Sedimentation/Siltation	Irrigated Crop Production
linemile	MT76M004_031	McCORMICK CREEK, Little McCormick Creek to mouth (Ninemile Creek)	4C	2.01	MILES	B-1	Р	F	F	F	Alteration in stream-side or littoral vegetative covers	Placer Mining
linemile	MT76M004_040	JOSEPHINE CREEK, headwaters to mouth (Ninemile Creek)	4A	5.99	MILES	B-1	N	F	F	F	Alteration in stream-side or littoral vegetative covers	Forest Roads (Road Construction and Use)
		mount (timonino orosity									Low flow alterations	Impacts from Hydrostructure Flow Regulation/modification
											Sedimentation/Siltation	Placer Mining
linemile	MT76M004_060	CEDAR CREEK, headwaters to mouth	4A	4.52	MILES	B-1	Р	F	F	Р	Alteration in stream-side or littoral	Agriculture
		(Ninemile Creek)									vegetative covers  Low flow alterations	Flow Alterations from Water Diversions
											Sedimentation/Siltation	Forest Roads (Road Construction and Use)
												Natural Sources
inemile	MT76M004_070	KENNEDY CREEK, headwaters to	4A	5.64	MILES	B-1	Р	Р	Р	Р	Alteration in stream-side or littoral	Irrigated Crop Production
		mouth (Ninemile Creek)									vegetative covers Copper	Mine Tailings
											Lead	Placer Mining
											Low flow alterations	Subsurface (Hardrock) Minining
											Mercury	Surface Mining

<b>HUC</b> 17010204	Middle Clark Fo	rk Waters	shed	Lower	Clark Fo	rk						
TMDL Planning Area	ID305B	Waterbody Name/Location	Category	Size	Units	Use Class	AqL	AG	DW	Rec	Cause Name S	Source Name
Ninemile	MT76M004_070	KENNEDY CREEK, headwaters to mouth (Ninemile Creek)	4A	5.64	MILES	B-1	Р	Р	Р	Р	Sedimentation/Siltation Zinc	
Ninemile	MT76M004_080	LITTLE MCCORMICK CREEK, headwaters to mouth (McCormick Creek)	4A )	3.54	MILES	B-1	N	I	F	I	Fish-Passage Barrier  Low flow alterations  Physical substrate habitat alterations	Placer Mining
											Sedimentation/Siltation	