

Appendix 20

303(d) Impaired Waters Database for Flathead and Lake Counties

The following tables were generated from the MT Dept. of Environmental Quality database containing all Montana surface waters that have been assessed as having one or more beneficial uses impaired or threatened as a result of human activity. For each waterbody the uses identified as being impaired are indicated along with the probable causes and sources of impairment. The interactive database can be reached on the web at:

http://nris.state.mt.us/wis/environet/2002_303dhome.html

Flathead County

Streams

18 Waterbodies in Flathead County are on the TMDL list and 225.90 miles of Waterbody streams are listed.

Use Support Reported in Miles For Waterbody Streams

Beneficial Use	Fully	Not Supporting	Partial	Threatened	Not Assessed	# Waterbodies W/ Designated Use
Aquatic Life Support		8.50	196.60		20.80	17
Cold Water Fishery - Trout		8.50	196.60		20.80	17
Primary Contact (Recr)	144.40		38.20		43.30	17
Drinking Water Supply	23.70	44.10			158.10	17
Agriculture	206.40				19.50	17
Industrial	206.40				19.50	17

Lakes

3,349.90 Acres of Waterbody Lakes Listed

Use Support Reported in Acres For Waterbody Lakes

Beneficial Use	Fully	Not Supporting	Partial	Threatened	Not Assessed	# Waterbodies W/ Designated Use
Aquatic Life Support				3,349.90		1
Cold Water Fishery - Trout				3,349.90		1
Primary Contact (Recr)			3,349.90			1
Drinking Water Supply					3,349.90	1
Agriculture	3,349.90					1
Industrial	3,349.90					1

NOTE: Causes and Sources in the Assessment database, while related, are NOT linked to one another. They are assigned separately to individual waterbodies. Therefore, it is impossible to conclude what specific source may be

contributing to what specific cause. The report below simply summarizes the total miles/acres identified as having the particular cause or source for the group of waterbodies that matched the criteria you entered.

Waterbody Stream Causes/Sources Reported in Miles

Summary of Causes

Cause	Miles
Other habitat alterations	160.00
Siltation	156.00
Nutrients	86.70
Nitrate	44.10
Phosphorus	44.10
Bank erosion	40.40
Flow alteration	38.20
Fish habitat degradation	23.90
Metals	23.70
Nitrogen	23.70
Oil and grease	23.70
PCB's	23.70
Priority organics	23.70
Thermal modifications	23.70
Suspended solids	18.90
Dewatering	13.40
Riparian degradation	8.10

Summary of Sources

Source	Miles
Silviculture	161.00
Habitat Modification (other than Hydromodification)	79.20
Construction	76.00
Land Development	67.80
Urban Runoff/Storm Sewers	67.80
Removal of Riparian Vegetation	44.10
Bank or Shoreline Modification/Destabilization	35.10
Logging Road Construction/Maintenance	25.70
Industrial Point Sources	23.70
Agriculture	15.70
Highway/Road/Bridge Construction	8.20
Hydromodification	5.10
Source Unknown	2.40
Grazing related Sources	2.30

Waterbody Lake Causes/Sources Reported in Acres

Summary of Causes

Cause	Acres
Mercury	3,349.90
Metals	3,349.90
PCB's	3,349.90
Siltation	3,349.90

Summary of Sources

Source	Acres
Logging Road Construction/Maintenance	3,349.90
Silviculture	3,349.90
Source Unknown	3,349.90

Lake County

Streams

6 Waterbodies in Flathead County are on the TMDL list and 13.50 miles of Waterbody streams are listed.

Use Support Reported in Miles For Waterbody Streams

Beneficial Use	Use Support				Not Assessed	# Waterbodies W/ Designated Use
	Fully	Not Supporting	Partial	Threatened		
Aquatic Life Support			13.50			3
Cold Water Fishery - Trout			13.50			3
Primary Contact (Recr)	13.50					3
Drinking Water Supply	3.70				9.80	3
Agriculture	13.50					3
Industrial	13.50					3

Lakes

130,206.90 Acres of Waterbody Lakes Listed

Use Support Reported in Acres For Waterbody Lakes

Beneficial Use	Use Support				Not Assessed	# Waterbodies W/ Designated Use
	Fully	Not Supporting	Partial	Threatened		
Aquatic Life Support			126,006.90	4,200.00		3
Cold Water Fishery - Trout	126,006.90			4,200.00		3
Primary Contact (Recr)	130,206.90					3
Drinking Water Supply	128,686.90				1,520.00	3
Agriculture	130,206.90					3
Industrial	130,206.90					3

NOTE: Causes and Sources in the Assessment database, while related, are NOT linked to one another. They are assigned separately to individual waterbodies. Therefore, it is impossible to conclude what specific source may be contributing to what specific cause. The report below simply summarizes the total miles/acres identified as having the particular cause or source for the group of waterbodies that matched the criteria you entered.

Waterbody Stream Causes/Sources Reported in Miles

Summary of Causes

Cause	Miles
Nutrients	9.00
Other habitat alterations	4.50
Siltation	4.50
Suspended solids	9.00

Summary of Sources

Source	Miles
Construction	9.00
Debris and bottom deposits	0.80
Highway/Road/Bridge Construction	9.00
Silviculture	12.70

Waterbody Lake Causes/Sources Reported in Acres

Summary of Causes

Cause	Acres
Algal Grwth/Chlorophyll a	127,526.90
Mercury	126,006.90
Metals	126,006.90
Nutrients	126,006.90
Organic enrichment/Low DO	126,006.90
PCB's	126,006.90
Siltation	128,686.90

Summary of Sources

Source	Acres
Algal Grwth/Chlorophyll a	127,526.90
Mercury	126,006.90
Metals	126,006.90
Nutrients	126,006.90
Organic enrichment/Low DO	126,006.90
PCB's	126,006.90
Siltation	128,686.90
Algal Grwth/Chlorophyll a	127,526.90
Mercury	126,006.90
Metals	126,006.90
Nutrients	126,006.90
Organic enrichment/Low DO	126,006.90
PCB's	126,006.90