

Missouri Clean Water Commission Meeting
Department of Natural Resources
Lewis and Clark State Office Building
LaCharrette/Nightingale Creek Conference Rooms
1101 Riverside Drive
Jefferson City, Missouri

October 4, 2017

Public Hearing on the Draft 2018 303(d) List

Issue: The Federal Water Pollution Control Act, Section 303(d) requires states to biennially (once every two years) submit to the U.S. Environmental Protection Agency (EPA) a list of impaired waters for which adequate pollution controls have not yet been required.

Background: The Commission approved the 2018 Listing Methodology Document (LMD) on April 6, 2016. The Department assessed waters and developed the draft 2018 303(d) list following this methodology. The draft list was placed on public notice July 3, 2017 and will continue through October 13, 2017.

The draft 2018 303(d) list is composed of 494 waterbody/pollutant pairs. Sixty-eight of these listings are new to the list in 2018, and the remaining 426 listings are carried over from the EPA approved 2016 303(d) list.

A total of 45 waterbody/pollutant pairs from the 2016 list are being proposed for de-listing. Of the 45 listings proposed for de-listing, 16 now meet water quality standards, 17 are due to a change in the pollutant for which the water is listed, 5 were originally listed in error, 3 are a result of a revised assessment method, and 4 are due to a Total Maximum Daily Load being developed and approved by EPA.

The Department has held two public availability meetings during the public comment period to answer questions and provide information on the draft 2018 303(d) list and the draft 2020 LMD. Summaries of the discussions from the August 24, 2017, public availability meeting are provided in the Commission packet and are available on the Department's website: <http://dnr.mo.gov/env/wpp/waterquality/303d/303d.htm>.

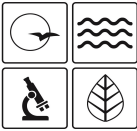
Written comments will continue to be accepted through October 13, 2017. All public comments, along with the Department's responses, will become part of the administrative record for the 303(d) list and will be made available on the Department's website.

Recommended Action: No action is requested. This is an opportunity for staff, and the public, to present and comment on the draft 2018 303(d) List.

Suggested Motion Language: None

List of Attachments:

- Draft 2018 303(d) List
- List of waters on the 2016 303(d) List proposed for removal from the draft 2018 303(d) list (Waters Proposed for Delisting)
- 2018 Section 303(d) List Summary Tables showing the breakdown of the number of listings by pollutants, sources, impaired uses, and cycle originally listed.
- Summary of the Public Availability Meeting discussions held on August 24, 2017



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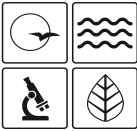
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
1	2012	2188.00	Antire Cr.	P	1.90	1.90	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
2	2018	2668.00	Ashley Cr.	P	2.50	2.50	Miles	WBC B	Escherichia coli (W)	Source Unknown	Dent	11010008	1
3	2010	7627.00	August A Busch Lake No. 37	UL	30.00	30.00	Acres	GEN	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	St. Charles	07110009	1, 7
4	2018	7637.00	August A Busch Lake Number 36	UL	16.00	16.00	Acres	GEN	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	St. Charles	07110009	1, 7
5	2016	4083.00	Barker Creek tributary	C	1.20	1.20	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Henry	10290108	1
6	2018	2693.00	Barn Hollow	C	8.20	8.20	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Howell/Texas	11010008	1
7	2012	0752.00	Bass Cr.	C	4.40	4.40	Miles	WBC A	Escherichia coli (W)	Rural NPS	Boone	10300102	1
8	2012	3240.00	Baynham Br.	P	4.00	4.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	Newton	11070207	1
9	2014	3224.00	Beef Br.	P	2.50	2.50	Miles	AQL	Cadmium (S)	Mill Tailings	Newton	11070207	1
10	2014	3224.00	Beef Br.	P	2.50	2.50	Miles	AQL	Cadmium (W)	Mill Tailings	Newton	11070207	1
11	2014	3224.00	Beef Br.	P	2.50	2.50	Miles	AQL	Lead (S)	Mill Tailings	Newton	11070207	1
12	2014	3224.00	Beef Br.	P	2.50	2.50	Miles	AQL	Zinc (S)	Mill Tailings	Newton	11070207	1
13	2014	3224.00	Beef Br.	P	2.50	2.50	Miles	AQL	Zinc (W)	Mill Tailings	Newton	11070207	1
14	2006	2760.00	Bee Fk.	C	8.70	8.70	Miles	AQL	Lead (W)	Fletcher Lead Mine/ Mill	Reynolds	11010007	1
15	2014	7309.00	Bee Tree Lake	L3	10.00	10.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	St. Louis	07140102	1
16	2006	7365.00	Belcher Branch Lake	L3	42.00	42.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Buchanan	10240012	1
17	2018	7186.00	Ben Branch Lake	L3	37.00	37.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Osage	10300102	1
18	2014	3980.00	Bens Branch	C	5.80	5.80	Miles	AQL	Cadmium (S)	Oronogo/Duenweg Mining Belt	Jasper	11070207	1
19	2014	3980.00	Bens Branch	C	5.80	5.80	Miles	AQL	Lead (S)	Oronogo/Duenweg Mining Belt	Jasper	11070207	1
20	2014	3980.00	Bens Branch	C	5.80	5.80	Miles	AQL	Zinc (S)	Oronogo/Duenweg Mining Belt	Jasper	11070207	1
21	2016	3980.00	Bens Branch	C	5.80	5.80	Miles	AQL	Zinc (W)	Oronogo/Duenweg Mining Belt	Jasper	11070207	1
22	2018	3980.00	Bens Branch	C	5.80	5.80	Miles	AQL	Cadmium (W)	Mill Tailings	Jasper	11070207	1
23	2010	2916.00	Big Cr.	P	34.10	34.10	Miles	AQL	Cadmium (S)	Glover smelter	Iron	08020202	1
24	2010	2916.00	Big Cr.	P	34.10	34.10	Miles	AQL	Lead (S)	Glover smelter	Iron	08020202	1
25	2010	1578.00	Big Piney R.	P	7.80	7.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Texas	10290202	1, 5
26	2006	2080.00	Big R.	P	81.30	81.30	Miles	AQL	Cadmium (S)	Old Lead Belt tailings	St. Francois/Jefferson	07140104	1
27	2006	3184.00	Blackberry Cr.	C	6.50	6.50	Miles	AQL	Chloride (W)	Asbury Power Plant	Jasper	11070207	1
28	2008	3184.00	Blackberry Cr.	C	6.50	6.50	Miles	AQL	Sulfate + Chloride (W)	Asbury Power Plant	Jasper	11070207	1
29	2016	3184.00	Blackberry Cr.	C	6.50	6.50	Miles	AQL	Oxygen, Dissolved (W)	Ind. Point Source Discharge and NPS	Jasper	11070207	1
30	2006	3825.00	Black Cr.	P	1.60	1.60	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1



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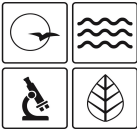
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
31	2012	0111.00	Black Cr.	P	19.40	19.40	Miles	WBC B	Escherichia coli (W)	Shelbyville WWTF, Nonpoint Source	Shelby	07110005	1
32	2012	3825.00	Black Cr.	P	1.60	1.60	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
33	2012	3825.00	Black Cr.	P	1.60	1.60	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
34	2002	2769.00	Black R.	P	47.10	47.10	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Butler	11010007	1, 5
35	2002	2784.00	Black R.	P	39.00	39.00	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Wayne/Butler	11010007	1, 5
36	2006	0417.00	Blue R.	P	4.40	4.40	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
37	2006	0418.00	Blue R.	P	9.40	9.40	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
38	2006	0419.00	Blue R.	P	7.70	7.70	Miles	WBC A	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
39	2016	0417.00	Blue R.	P	4.40	4.40	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
40	2016	0418.00	Blue R.	P	9.40	9.40	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
41	2012	1701.00	Bonhomme Cr.	C	2.50	2.50	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	10300200	1
42	2006	0750.00	Bonne Femme Cr.	P	7.80	7.80	Miles	WBC A	Escherichia coli (W)	Rural NPS	Boone	10300102	1
43	2012	0753.00	Bonne Femme Cr.	C	7.00	7.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	Boone	10300102	1
44	2002	2034.00	Bourbeuse R.	P	136.70	136.70	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Phelps/Franklin	07140103	1, 5
45	2012	7003.00	Bowling Green Lake - Old	L1	7.00	7.00	Acres	AQL	Nitrogen, Total (W)	Rural NPS	Pike	07110004	1, 4, 5
46	2012	7003.00	Bowling Green Lake - Old	L1	7.00	7.00	Acres	AQL	Phosphorus, Total (W)	Rural NPS	Pike	07110004	1, 4, 5
47	2014	7003.00	Bowling Green Lake - Old	L1	7.00	7.00	Acres	AQL	Chlorophyll-a (W)	Rural NPS	Pike	07110004	1, 4, 5
48	2012	1796.00	Brazeau Cr.	P	10.80	10.80	Miles	WBC B	Escherichia coli (W)	Rural NPS	Perry	07140105	1
49	2002	1371.00	Brush Cr.	P	4.70	4.70	Miles	AQL	Oxygen, Dissolved (W)	Humansville WWTP	Polk/St. Clair	10290106	1
50	2014	3986.00	Brush Creek	C	5.40	5.40	Miles	AQL	Polycyclic Aromatic Hydrocarbons-PAHs (S)	Nonpoint Source	Jackson	10300101	1
51	2016	3986.00	Brush Creek	C	5.40	5.40	Miles	AQL	Oxygen, Dissolved (W)	Nonpoint Source	Jackson	10300101	1
52	2016	3986.00	Brush Creek	C	5.40	5.40	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
53	2018	0859.00	Brushy Cr.	P	3.80	3.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Pettis	10300103	1
54	2016	7117.00	Buffalo Bill Lake	L3	45.00	45.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	DeKalb	10280101	1
55	2012	3273.00	Buffalo Cr.	P	8.00	8.00	Miles	AQL	Fishes Bioassessments/Unknown (W)	Source Unknown	Newton/McDonald	11070208	1, 8
56	2006	1865.00	Burgher Br.	C	1.50	1.50	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Phelps	07140102	1
57	2018	3414.00	Burr Oak Cr.	C	6.80	6.80	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1



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58	2018	3414.00	Burr Oak Cr.	C	6.80	6.80	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
59	2006	7057.00	Busch W.A. No. 35 Lake	L3	51.00	51.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	St. Charles	07110009	1
60	2006	3234.00	Capps Cr.	P	5.00	5.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Barry/Newton	11070207	1
61	2016	3241.00	Carver Br.	P	3.00	3.00	Miles	WBC A	Escherichia coli (W)	Nonpoint Source	Newton	11070207	1
62	2010	2288.00	Castor R.	P	7.50	7.50	Miles	WBC A	Escherichia coli (W)	Rural NPS	Bollinger	07140107	2
63	2008	0737.00	Cedar Cr.	C	37.40	37.40	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Boone	10300102	1, 8
64	2008	1344.00	Cedar Cr.	P	31.00	31.00	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Cedar	10290106	1, 8
65	2008	1357.00	Cedar Cr.	C	16.20	16.20	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Dade/Cedar	10290106	1
66	2010	1344.00	Cedar Cr.	P	31.00	31.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Cedar	10290106	1
67	2010	1357.00	Cedar Cr.	C	16.20	16.20	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Dade/Cedar	10290106	1, 8
68	2016	1344.00	Cedar Cr.	P	31.00	31.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Cedar	10290106	1
69	2006	3203.00	Center Cr.	P	26.80	26.80	Miles	AQL	Cadmium (S)	Tri-State Mining District	Jasper	11070207	1
70	2006	3203.00	Center Cr.	P	26.80	26.80	Miles	AQL	Cadmium (W)	Tri-State Mining District	Jasper	11070207	1
71	2006	3203.00	Center Cr.	P	26.80	26.80	Miles	AQL	Lead (S)	Tri-State Mining District	Jasper	11070207	1
72	2008	3210.00	Center Cr.	P	21.00	21.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Newton/Jasper	11070207	1
73	2010	3214.00	Center Cr.	P	4.90	4.90	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence/Newton	11070207	1
74	2014	3203.00	Center Cr.	P	26.80	26.80	Miles	WBC A	Escherichia coli (W)	Nonpoint Source	Jasper	11070207	1
75	2016	5003.00	Center Creek tributary	C	2.70	2.70	Miles	AQL	Cadmium (W)	Oronogo/Duenweg Mining Belt	Jasper	11070207	1
76	2016	5003.00	Center Creek tributary	C	2.70	2.70	Miles	AQL	Zinc (W)	Oronogo/Duenweg Mining Belt	Jasper	11070207	1
77	2006	3168.00	Chat Cr.	C	2.10	2.10	Miles	AQL	Cadmium (W)	Baldwin Park Mine	Lawrence	11070207	1
78	2012	3963.00	Chat Creek tributary	US	0.90	0.90	Miles	GEN	Cadmium (W)	Baldwin Park Mine	Lawrence	11070207	1, 7
79	2012	3963.00	Chat Creek tributary	US	0.90	0.90	Miles	GEN	Zinc (W)	Baldwin Park Mine	Lawrence	11070207	1, 7
80	2014	7634.00	Chaumiere Lake	UL	3.40	3.40	Acres	GEN	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Clay	10300101	1, 7
81	2012	1781.00	Cinque Hommes Cr.	P	17.10	17.10	Miles	WBC B	Escherichia coli (W)	Rural NPS	Perry	07140105	1
82	2016	1781.00	Cinque Hommes Cr.	P	17.10	17.10	Miles	SCR	Escherichia coli (W)	Rural NPS	Perry	07140105	1
83	2018	1000.00	Clark Fk.	C	6.00	6.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Cole	10300102	1
84	2002	3239.00	Clear Cr.	C	3.50	3.50	Miles	AQL	Nutrient/Eutrophication Biol. Indicators (W)	Monett WWTP	Barry/Lawrence	11070207	1, 4
85	2002	3239.00	Clear Cr.	C	3.50	3.50	Miles	AQL	Oxygen, Dissolved (W)	Monett WWTP	Barry/Lawrence	11070207	1
86	2006	1333.00	Clear Cr.	P	28.20	28.20	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Vernon/St. Clair	10290105	1
87	2006	1336.00	Clear Cr.	C	22.30	22.30	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Vernon	10290105	1
88	2006	3238.00	Clear Cr.	P	11.10	11.10	Miles	WBC B	Escherichia coli (W)	Rural NPS	Lawrence/Newton	11070207	1



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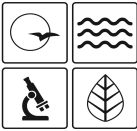
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89	2006	0935.00	Clear Fk.	P	25.80	25.80	Miles	AQL	Oxygen, Dissolved (W)	Knob Noster WWTP	Johnson	10300104	1
90	2002	7326.00	Clearwater Lake	L2	1635.00	1635.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Wayne/Reynolds	11010007	1
91	2014	7326.00	Clearwater Lake	L2	1635.00	1635.00	Acres	AQL	Chlorophyll-a (W)	Rural NPS	Wayne/Reynolds	11010007	1, 4
92	2016	7326.00	Clearwater Lake	L2	1635.00	1635.00	Acres	AQL	Phosphorus, Total (W)	Nonpoint Source	Wayne/Reynolds	11010007	1, 4
93	2006	1706.00	Coldwater Cr.	C	6.90	6.90	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	10300200	1
94	2012	2177.00	Coonville Cr.	C	1.30	1.30	Miles	AQL	Lead (W)	Source Unknown	St. Francois	07140104	1
95	2016	7378.00	Coot Lake	L3	20.00	20.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Jackson	10290108	1
96	2016	7379.00	Cottontail Lake	L3	22.00	22.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Jackson	10290108	1
97	2006	1943.00	Courtois Cr.	P	32.00	32.00	Miles	AQL	Lead (S)	Doe Run Viburnum Division Lead mine	Washington	07140102	1
98	2012	2382.00	Crane Cr.	P	13.20	13.20	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Stone	11010002	1, 8
99	2016	7334.00	Crane Lake	L3	109.00	109.00	Acres	AQL	Chlorophyll-a (W)	Source Unknown	Iron	08020202	1, 4
100	2016	7334.00	Crane Lake	L3	109.00	109.00	Acres	AQL	Phosphorus, Total (W)	Source Unknown	Iron	08020202	1, 4
101	2012	2816.00	Craven Ditch	C	11.60	11.60	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Butler	11010007	1
102	2006	1703.00	Creve Coeur Cr.	C	3.80	3.80	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	10300200	1
103	2006	1703.00	Creve Coeur Cr.	C	3.80	3.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	St. Louis	10300200	1
104	2006	1928.00	Crooked Cr.	P	3.50	3.50	Miles	AQL	Cadmium (S)	Buick Lead Smelter	Crawford	07140102	1
105	2006	1928.00	Crooked Cr.	P	3.50	3.50	Miles	AQL	Cadmium (W)	Buick Lead Smelter	Crawford	07140102	1
106	2006	1928.00	Crooked Cr.	P	3.50	3.50	Miles	AQL	Lead (S)	Buick Lead Smelter	Crawford	07140102	1
107	2008	3961.00	Crooked Creek	C	6.50	6.50	Miles	AQL	Cadmium (W)	Buick Lead Smelter	Iron/Crawford	07140102	1
108	2010	3961.00	Crooked Creek	C	6.50	6.50	Miles	AQL	Copper (W)	Buick Lead Smelter	Iron/Crawford	07140102	1
109	2016	7135.00	Crowder St. Park Lake	L3	18.00	18.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Grundy	10280102	1
110	2006	2636.00	Current R.	P	124.00	124.00	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Shannon/Ripley	11010008	1
111	2018	2662.00	Current R.	P	18.80	18.80	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Dent/Shannon	11010008	1
112	2006	0219.00	Dardenne Cr.	P1	7.00	7.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	St. Charles	07110009	1
113	2018	0221.00	Dardenne Cr.	P	16.50	16.50	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Charles	07110009	1
114	2006	3826.00	Deer Cr.	P	1.60	1.60	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis/St. Louis City	07140101	1
115	2012	3826.00	Deer Cr.	P	1.60	1.60	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis/St. Louis City	07140101	1
116	2012	3826.00	Deer Cr.	P	1.60	1.60	Miles	WBC A	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis/St. Louis City	07140101	1
117	2002	7015.00	Deer Ridge Community Lake	L3	39.00	39.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Lewis	07110002	1



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118	2006	3109.00	Ditch #36	P	7.80	7.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Dunklin	08020204	1
119	2006	3810.00	Douger Br.	C	2.80	2.80	Miles	AQL	Lead (S)	Aurora Lead Mining District	Lawrence	11070207	1
120	2006	3810.00	Douger Br.	C	2.80	2.80	Miles	AQL	Zinc (S)	Aurora Lead Mining District	Lawrence	11070207	1
121	2006	1180.00	Dousinbury Cr.	P	3.90	3.90	Miles	WBC B	Escherichia coli (W)	Rural NPS	Dallas	10290110	1
122	2008	3189.00	Dry Fk.	C	10.20	10.20	Miles	WBC A	Escherichia coli (W)	Rural NPS	Jasper	11070207	1
123	2016	1792.00	Dry Fk.	C	3.20	3.20	Miles	WBC B	Escherichia coli (W)	Source Unknown	Perry	07140105	1
124	2016	3163.00	Dry Hollow	C	0.50	0.50	Miles	SCR	Escherichia coli (W)	Source Unknown	Lawrence	11070207	1
125	2006	3569.00	Dutro Carter Cr.	P	1.50	1.50	Miles	AQL	Oxygen, Dissolved (W)	Rolla SE WWTP	Phelps	07140102	1
126	2016	3570.00	Dutro Carter Cr.	C	0.50	0.50	Miles	SCR	Escherichia coli (W)	Source Unknown	Phelps	07140102	1
127	2016	3570.00	Dutro Carter Cr.	C	0.50	0.50	Miles	WBC B	Escherichia coli (W)	Source Unknown	Phelps	07140102	1
128	2016	3199.00	Duval Cr.	C	7.00	7.00	Miles	WBC B	Escherichia coli (W)	Nonpoint Source	Jasper	11070207	1
129	2006	2166.00	Eaton Br.	C	1.20	1.20	Miles	AQL	Cadmium (S)	Leadwood tailings pond	St. Francois	07140104	1
130	2006	2166.00	Eaton Br.	C	1.20	1.20	Miles	AQL	Cadmium (W)	Leadwood tailings pond	St. Francois	07140104	1
131	2006	2166.00	Eaton Br.	C	1.20	1.20	Miles	AQL	Lead (S)	Leadwood tailings pond	St. Francois	07140104	1
132	2006	2166.00	Eaton Br.	C	1.20	1.20	Miles	AQL	Zinc (S)	Leadwood tailings pond	St. Francois	07140104	1
133	2006	2166.00	Eaton Br.	C	1.20	1.20	Miles	AQL	Zinc (W)	Leadwood tailings pond	St. Francois	07140104	1
134	2018	2166.00	Eaton Br.	C	1.20	1.20	Miles	AQL	Lead (W)	Leadwood tailings pond	St. Francois	07140104	1
135	2010	0372.00	E. Fk. Crooked R.	P	19.90	19.90	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Ray	10300101	1
136	2006	0457.00	E. Fk. Grand R.	P	28.70	28.70	Miles	WBC A	Escherichia coli (W)	Rural NPS	Worth/Gentry	10280101	1, 5
137	2018	0428.00	E. Fk. L. Blue R.	C	3.70	3.70	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
138	2008	0608.00	E. Fk. Locust Cr.	P	16.70	16.70	Miles	WBC B	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	Sullivan	10280103	1
139	2008	0610.00	E. Fk. Locust Cr.	C	15.70	15.70	Miles	AQL	Oxygen, Dissolved (W)	Rural NPS	Sullivan	10280103	1
140	2008	0610.00	E. Fk. Locust Cr.	C	15.70	15.70	Miles	WBC A	Escherichia coli (W)	Rural NPS	Sullivan	10280103	1
141	2018	0608.00	E. Fk. Locust Cr.	P	16.70	16.70	Miles	SCR	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	Sullivan	10280103	1
142	2006	1282.00	E. Fk. Tebo Cr.	C	14.50	14.50	Miles	AQL	Oxygen, Dissolved (W)	Windsor SW WWTP	Henry	10290108	1
143	2018	1282.00	E. Fk. Tebo Cr.	C	14.50	14.50	Miles	AQL	Ammonia, Total (W)	Municipal Point Source Discharges	Henry	10290108	1
144	2002	2593.00	Eleven Point R.	P	22.70	22.70	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Oregon	11010011	1
145	2006	2597.00	Eleven Point R.	P	11.40	11.40	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Oregon	11010011	1



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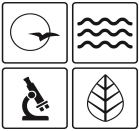
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
146	2008	2601.00	Eleven Point R.	P	22.30	22.30	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Oregon	11010011	1
147	2002	0189.00	Elkhorn Cr.	C	21.40	21.40	Miles	AQL	Oxygen, Dissolved (W)	Montgomery City East WWTF	Montgomery	07110008	1
148	2006	1283.00	Elm Br.	C	3.00	3.00	Miles	AQL	Oxygen, Dissolved (W)	Windsor SE WWTP	Henry	10290108	1
149	2018	4110.00	Engelholm Creek	C	3.00	3.00	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
150	2018	4110.00	Engelholm Creek	C	3.00	3.00	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
151	2012	1704.00	Fee Fee Cr. (new)	P	1.50	1.50	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	10300200	1
152	2012	1704.00	Fee Fee Cr. (new)	P	1.50	1.50	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	10300200	1
153	2016	1704.00	Fee Fee Cr. (new)	P	1.50	1.50	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	10300200	1
154	2012	7237.00	Fellows Lake	L1	800.00	800.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Greene	10290106	1, 5
155	2016	3595.00	Fenton Cr.	P	0.50	0.50	Miles	AQL	Chloride (W)	Source Unknown	St. Louis	07140102	1
156	2018	4119.00	Fenton Creek tributary	C	1.10	1.10	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
157	2018	4119.00	Fenton Creek tributary	C	1.10	1.10	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
158	2018	4120.00	Fenton Creek tributary	C	1.50	1.50	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jefferson/St. Louis	07140102	1
159	2012	2186.00	Fishpot Cr.	P	3.50	3.50	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
160	2016	3220.00	Fivemile Cr.	P	5.00	5.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	Newton	11070207	1
161	2016	0864.00	Flat Cr.	P	23.70	23.70	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Pettis/Morgan	10300103	1
162	2006	2168.00	Flat River Cr.	C	10.00	10.00	Miles	AQL	Cadmium (W)	Old Lead Belt tailings	St. Francois	07140104	1
163	2012	3938.00	Flat River tributary	US	0.30	0.30	Miles	GEN	Zinc (W)	Elvins Chat Pile	St. Francois	07140104	1, 7
164	2010	7151.00	Forest Lake	L1	580.00	580.00	Acres	AQL	Chlorophyll-a (W)	Rural NPS	Adair	10280202	1, 4, 5
165	2010	7151.00	Forest Lake	L1	580.00	580.00	Acres	AQL	Nitrogen, Total (W)	Rural NPS	Adair	10280202	1, 4, 5
166	2010	7151.00	Forest Lake	L1	580.00	580.00	Acres	AQL	Phosphorus, Total (W)	Rural NPS	Adair	10280202	1, 4, 5
167	2016	7151.00	Forest Lake	L1	580.00	580.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Adair	10280202	1, 5
168	2016	3943.00	Foster Branch tributary	C	2.00	2.00	Miles	AQL	Oxygen, Dissolved (W)	Ashland WWTF	Boone	10300102	1
169	2018	7324.00	Fourche Lake	L3	49.00	49.00	Acres	AQL	Chlorophyll-a (W)	Source Unknown	Ripley	11010009	1, 4
170	2018	7324.00	Fourche Lake	L3	49.00	49.00	Acres	AQL	Nitrogen, Total (W)	Source Unknown	Ripley	11010009	1, 4
171	2006	0747.00	Fowler Cr.	C	6.00	6.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Boone	10300102	1
172	2010	7382.00	Foxboro Lake	L3	22.00	22.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Franklin	07140103	1
173	2008	0038.00	Fox R.	P	42.00	42.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	Clark	07110001	1
174	2010	7008.00	Fox Valley Lake	L3	89.00	89.00	Acres	AQL	Phosphorus, Total (W)	Rural NPS	Clark	07110001	1, 4



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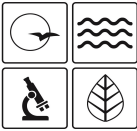
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
175	2014	7008.00	Fox Valley Lake	L3	89.00	89.00	Acres	AQL	Chlorophyll-a (W)	Rural NPS	Clark	07110001	1, 4
176	2014	7008.00	Fox Valley Lake	L3	89.00	89.00	Acres	AQL	Nitrogen, Total (W)	Rural NPS	Clark	07110001	1, 4
177	2002	7280.00	Frisco Lake	L3	5.00	5.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Phelps	07140102	1
178	2016	4061.00	Gailey Branch	C	3.20	3.20	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Pike	07110007	1
179	2012	1004.00	Gans Cr.	C	5.50	5.50	Miles	WBC A	Escherichia coli (W)	Rural NPS	Boone	10300102	1
180	2002	1455.00	Gasconade R.	P	264.00	264.00	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Pulaski	10290203	1, 5
181	2002	2184.00	Grand Glaize Cr.	C	4.00	4.00	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	St. Louis	07140102	1
182	2006	2184.00	Grand Glaize Cr.	C	4.00	4.00	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
183	2008	2184.00	Grand Glaize Cr.	C	4.00	4.00	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
184	2018	2184.00	Grand Glaize Cr.	C	4.00	4.00	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
185	2006	0593.00	Grand R.	P	56.00	56.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Livingston/Chariton	10280103	1, 5
186	2006	1712.00	Gravois Cr.	P	2.30	2.30	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis/St. Louis City	07140101	1
187	2006	1713.00	Gravois Cr.	C	6.00	6.00	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
188	2006	1713.00	Gravois Cr.	C	6.00	6.00	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
189	2008	1712.00	Gravois Cr.	P	2.30	2.30	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis/St. Louis City	07140101	1
190	2018	1713.00	Gravois Cr.	C	6.00	6.00	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
191	2016	4051.00	Gravois Creek tributary	C	1.90	1.90	Miles	WBC B	Escherichia coli (W)	Municipal, Urbanized High Density Area, Urban Runoff/Storm Sewers	St. Louis	07140101	1
192	2006	1009.00	Grindstone Cr.	C	2.50	2.50	Miles	WBC A	Escherichia coli (W)	Rural NPS	Boone	10300102	1
193	2014	7386.00	Harrison County Lake	L1	280.00	280.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Harrison	10280101	1, 5
194	2010	7152.00	Hazel Creek Lake	L1	453.00	453.00	Acres	AQL	Chlorophyll-a (W)	Rural NPS	Adair	10280201	1, 4, 5
195	2018	7152.00	Hazel Creek Lake	L1	453.00	453.00	Acres	AQL	Nitrogen, Total (W)	Nonpoint Source	Adair	10280201	1, 4, 5
196	2016	2196.00	Headwater Div. Chan.	P	20.30	20.30	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Cape Girardeau	07140105	1, 5
197	2008	0848.00	Heaths Cr.	P	21.00	21.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Pettis/Cooper	10300103	1
198	2006	3226.00	Hickory Cr.	P	4.90	4.90	Miles	WBC A	Escherichia coli (W)	Rural NPS	Newton	11070207	1
199	2012	1008.00	Hinkson Cr.	C	18.80	18.80	Miles	WBC A	Escherichia coli (W)	Nonpoint Source	Boone	10300102	1
200	2016	1007.00	Hinkson Cr.	P	7.60	7.60	Miles	WBC B	Escherichia coli (W)	Nonpoint Source	Boone	10300102	1
201	2016	7193.00	Holden City Lake	L1	290.20	290.20	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Johnson	10300104	1, 5
202	2012	1011.00	Hominy Br.	C	1.00	1.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	Boone	10300102	1



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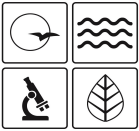
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
203	2010	3169.00	Honey Cr.	P	16.50	16.50	Miles	WBC B	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
204	2010	3170.00	Honey Cr.	C	2.70	2.70	Miles	WBC B	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
205	2018	1251.00	Honey Cr.	C	8.50	8.50	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Henry	10290108	1
206	2008	1348.00	Horse Cr.	P	27.70	27.70	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Vernon/Cedar	10290106	1
207	2010	1348.00	Horse Cr.	P	27.70	27.70	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Vernon/Cedar	10290106	1, 8
208	2014	3413.00	Horseshoe Cr.	C	5.80	5.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Lafayette/Jackson	10300101	1
209	2002	7388.00	Hough Park Lake	L3	10.00	10.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Cole	10300102	1
210	2012	7029.00	Hunnewell Lake	L3	228.00	228.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Shelby	07110004	1
211	2002	0420.00	Indian Cr.	C	3.40	3.40	Miles	WBC A	Escherichia coli (W)	Leawood, KS WWTP	Jackson	10300101	1
212	2010	0420.00	Indian Cr.	C	3.40	3.40	Miles	AQL	Chloride (W)	Road/Bridge Runoff, Non-construction	Jackson	10300101	1
213	2010	1946.00	Indian Cr.	P	1.90	1.90	Miles	AQL	Zinc (S)	Doe Run Viburnum Division Lead mine	Washington	07140102	1
214	2012	1946.00	Indian Cr.	P	1.90	1.90	Miles	AQL	Lead (S)	Doe Run Viburnum Division Lead mine	Washington	07140102	1
215	2008	7389.00	Indian Creek Community Lake	L3	185.00	185.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Livingston	10280101	1
216	2012	3223.00	Jacobs Br.	P	1.60	1.60	Miles	AQL	Zinc (W)	Tri-State Mining District	Newton	11070207	1
217	2014	3223.00	Jacobs Br.	P	1.60	1.60	Miles	AQL	Cadmium (S)	Tri-State Mining District	Newton	11070207	1
218	2014	3223.00	Jacobs Br.	P	1.60	1.60	Miles	AQL	Cadmium (W)	Tri-State Mining District	Newton	11070207	1
219	2014	3223.00	Jacobs Br.	P	1.60	1.60	Miles	AQL	Lead (S)	Tri-State Mining District	Newton	11070207	1
220	2014	3223.00	Jacobs Br.	P	1.60	1.60	Miles	AQL	Zinc (S)	Tri-State Mining District	Newton	11070207	1
221	2012	3207.00	Jenkins Cr.	P	2.80	2.80	Miles	WBC A	Escherichia coli (W)	Rural NPS	Jasper	11070207	1
222	2014	3208.00	Jenkins Cr.	C	4.80	4.80	Miles	WBC A	Escherichia coli (W)	Rural NPS	Newton/Jasper	11070207	1
223	2012	3205.00	Jones Cr.	P	7.50	7.50	Miles	WBC A	Escherichia coli (W)	Rural NPS	Newton/Jasper	11070207	1
224	2016	5006.00	Joplin Creek	C	3.90	3.90	Miles	AQL	Cadmium (W)	Mill Tailings	Jasper	11070207	1
225	2018	5006.00	Joplin Creek	C	3.90	3.90	Miles	AQL	Zinc (W)	Mill Tailings	Jasper	11070207	1
226	2014	3374.00	Jordan Cr.	P	3.80	3.80	Miles	AQL	Polycyclic Aromatic Hydrocarbons-PAHs (S)	Urban NPS	Greene	11010002	1
227	2012	3592.00	Keifer Cr.	P	1.20	1.20	Miles	AQL	Chloride (W)	Road/Bridge Runoff, Non-construction	St. Louis	07140102	1
228	2012	3592.00	Keifer Cr.	P	1.20	1.20	Miles	WBC A	Escherichia coli (W)	Rural NPS	St. Louis	07140102	1
229	2016	7657.00	Knox Village Lake	L3	3.00	3.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Jackson	10300101	1
230	2016	2171.00	Koen Cr.	C	1.00	1.00	Miles	AQL	Lead (S)	Mine Tailings	St. Francois	07140104	1



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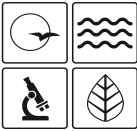
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
231	2016	7023.00	Labelle Lake #2	L1	98.00	98.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Lewis	07110003	1, 5
232	2016	7659.00	Lake Boutin	L3	20.00	20.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Cape Girardeau	07140105	1
233	2002	7469.00	Lake Buteo	L3	7.00	7.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Johnson	10300104	1
234	2018	7049.00	Lake Lincoln	L3	88.00	88.00	Acres	AQL	Chlorophyll-a (W)	Source Unknown	Lincoln	07110008	1, 4
235	2002	7436.00	Lake of the Woods	L3	3.00	3.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Boone	10300102	1
236	2008	7629.00	Lake of the Woods	UL	7.00	7.00	Acres	GEN	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Jackson	10300101	1, 7
237	2016	7132.00	Lake Paho	L3	273.00	273.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Mercer	10280102	1
238	2014	7055.00	Lake Ste. Louise	L3	71.00	71.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	St. Charles	07110009	1
239	2016	7035.00	Lake Tom Sawyer	L3	4.00	4.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Monroe	07110006	1
240	2010	7212.00	Lake Winnebago	L3	272.00	272.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Cass	10290108	1
241	2006	0847.00	Lamine R.	P	64.00	64.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Morgan/Cooper	10300103	1
242	2006	3105.00	Lateral #2 Main Ditch	P	11.50	11.50	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Stoddard	08020204	1
243	2018	3105.00	Lateral #2 Main Ditch	P	11.50	11.50	Miles	AQL	Ammonia, Total (W)	Source Unknown	Stoddard	08020204	1
244	2008	1529.00	L. Beaver Cr.	C	3.50	3.50	Miles	AQL	Sedimentation/Siltation (S)	Smith Sand and Gravel	Phelps	10290203	1
245	2014	1529.00	L. Beaver Cr.	C	3.50	3.50	Miles	WBC A	Escherichia coli (W)	Municipal Point Source Discharges	Phelps	10290203	1
246	2012	0422.00	L. Blue R.	P	35.10	35.10	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
247	2018	0422.00	L. Blue R.	P	35.10	35.10	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
248	2012	1003.00	L. Bonne Femme Cr.	P	9.00	9.00	Miles	WBC B	Escherichia coli (W)	Source Unknown	Boone	10300102	1
249	2018	1003.00	L. Bonne Femme Cr.	P	9.00	9.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Boone	10300102	1
250	2006	1863.00	L. Dry Fk.	P	5.20	5.20	Miles	AQL	Oxygen, Dissolved (W)	Rolla SE WWTP	Phelps	07140102	1
251	2006	1864.00	L. Dry Fk.	C	4.70	4.70	Miles	AQL	Oxygen, Dissolved (W)	Rolla SE WWTP	Phelps	07140102	1
252	2008	1864.00	L. Dry Fk.	C	4.70	4.70	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Phelps	07140102	1
253	2006	1325.00	L. Dry Wood Cr.	P	20.50	20.50	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Vernon	10290104	1
254	2010	1326.00	L. Dry Wood Cr.	C	15.60	15.60	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Barton/Vernon	10290104	1
255	2012	3137.00	Lee Rowe Ditch	C	6.00	6.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Mississippi	08020201	1
256	2018	7346.00	Lewis Lake	L3	6.00	6.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Stoddard	08020204	1
257	2002	7020.00	Lewistown Lake	L1	35.00	35.00	Acres	DWS	Atrazine (W)	Rural NPS	Lewis	07110002	2, 5
258	2012	3575.00	Line Cr.	C	7.00	7.00	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Platte	10240011	1



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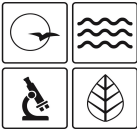
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
259	2018	4115.00	Little Antire Creek	C	4.00	4.00	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jefferson/St. Louis	07140102	1
260	2018	4107.00	Little Blue River tributary	C	5.50	5.50	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
261	2018	4107.00	Little Blue River tributary	C	5.50	5.50	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
262	2010	3279.00	L. Lost Cr.	P	5.80	5.80	Miles	WBC B	Escherichia coli (W)	Rural NPS	Newton	11070206	1
263	2006	0623.00	L. Medicine Cr.	P	39.80	39.80	Miles	WBC B	Escherichia coli (W)	Rural NPS	Mercer/Grundy	10280103	1
264	2006	1189.00	L. Niangua R.	P	43.80	43.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Dallas/Camden	10290110	1
265	2006	0606.00	Locust Cr.	P	91.70	91.70	Miles	SCR	Escherichia coli (W)	Rural NPS	Putnam/Sullivan	10280103	1, 5
266	2006	0606.00	Locust Cr.	P	91.70	91.70	Miles	WBC B	Escherichia coli (W)	Rural NPS	Putnam/Sullivan	10280103	1, 5
267	2012	2763.00	Logan Cr.	P	36.00	36.00	Miles	AQL	Lead (S)	Sweetwater Lead Mine/Mill	Reynolds	11010007	1
268	2006	0696.00	Long Branch Cr.	C	14.80	14.80	Miles	AQL	Oxygen, Dissolved (W)	Atlanta WWTP	Macon	10280203	1
269	2002	7097.00	Longview Lake	L2	953.00	953.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Jackson	10300101	1
270	2008	3652.00	L. Osage R.	C	23.60	23.60	Miles	WBC B	Escherichia coli (W)	Rural NPS	Vernon	10290103	1
271	2006	3278.00	Lost Cr.	P	8.50	8.50	Miles	WBC A	Escherichia coli (W)	Rural NPS	Newton	11070206	1
272	2014	2854.00	L. St. Francis R.	P	32.40	32.40	Miles	AQL	Lead (S)	Catherine Lead Mine, pos. Mine La Motte	Madison	08020202	1, 5
273	2006	2814.00	Main Ditch	C	13.00	13.00	Miles	AQL	pH (W)	Poplar Bluff WWTP	Butler	11010007	1
274	2006	2814.00	Main Ditch	C	13.00	13.00	Miles	AQL	Temperature, water (W)	Channelization	Butler	11010007	1
275	2012	1709.00	Maline Cr.	C	0.60	0.60	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis/St. Louis City	07140101	1
276	2012	3839.00	Maline Cr.	C	0.50	0.50	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis City	07140101	1
277	2016	3839.00	Maline Cr.	C	0.50	0.50	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis City	07140101	1
278	2016	7398.00	Maple Leaf Lake	L3	127.00	127.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Lafayette	10300104	1
279	2002	7033.00	Mark Twain Lake	L2	18132.00	18132.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Ralls	07110005	1, 5
280	2018	4109.00	Martigney Creek	C	1.60	1.60	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
281	2018	4109.00	Martigney Creek	C	1.60	1.60	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
282	2018	4109.00	Martigney Creek	C	1.60	1.60	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
283	2014	3596.00	Mattese Cr.	P	1.10	1.10	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
284	2014	3596.00	Mattese Cr.	P	1.10	1.10	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
285	2016	1786.00	McClanahan Cr.	C	2.50	2.50	Miles	SCR	Escherichia coli (W)	Source Unknown	Perry	07140105	1
286	2016	1786.00	McClanahan Cr.	C	2.50	2.50	Miles	WBC B	Escherichia coli (W)	Source Unknown	Perry	07140105	1



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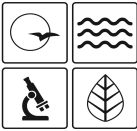
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
287	2016	0214.00	McCoy Cr.	C	4.50	4.50	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	St. Charles	07110008	1
288	2006	0619.00	Medicine Cr.	P	43.80	43.80	Miles	WBC B	Escherichia coli (W)	Rural NPS	Putnam/Grundy	10280103	1
289	2008	2183.00	Meramec R.	P	22.80	22.80	Miles	AQL	Lead (S)	Old Lead belt tailings	St. Louis	07140102	1, 5
290	2016	2183.00	Meramec R.	P	22.80	22.80	Miles	WBC A	Escherichia coli (W)	Source Unknown	St. Louis	07140102	1, 5
291	2010	0123.00	M. Fk. Salt R.	C	25.40	25.40	Miles	AQL	Oxygen, Dissolved (W)	Macon WWTP	Macon	07110006	1
292	2008	1299.00	Miami Cr.	P	19.60	19.60	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Bates	10290102	1
293	2006	0468.00	Middle Fk. Grand R.	P	27.50	27.50	Miles	WBC A	Escherichia coli (W)	Rural NPS	Worth/Gentry	10280101	1
294	2008	3263.00	Middle Indian Cr.	P	2.20	2.20	Miles	WBC B	Escherichia coli (W)	Rural NPS	Newton	11070208	1
295	2010	3262.00	Middle Indian Cr.	C	3.50	3.50	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Newton	11070208	1, 8
296	2010	3263.00	Middle Indian Cr.	P	2.20	2.20	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Newton	11070208	1, 8
297	2016	4066.00	Mill Creek	C	3.40	3.40	Miles	AQL	Oxygen, Dissolved (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
298	2016	4066.00	Mill Creek	C	3.40	3.40	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
299	2016	4066.00	Mill Creek	C	3.40	3.40	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
300	2014	1707.03	Mississippi R.	P	44.60	44.60	Miles	WBC B	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	St. Louis/Ste. Genevieve	07140101	1, 5
301	2008	1604.00	Missouri R.	P	104.50	104.50	Miles	WBC B	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	St. Charles/St. Louis	10300200	1, 5
302	2010	0226.00	Missouri R.	P	184.50	184.50	Miles	WBC B	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	Atchison/Jackson	10240011	1, 5
303	2012	0356.00	Missouri R.	P	129.00	129.00	Miles	SCR	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	Jackson/Chariton	10300101	1, 5
304	2012	0356.00	Missouri R.	P	129.00	129.00	Miles	WBC B	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	Jackson/Chariton	10300101	1, 5
305	2014	7031.00	Monroe City Lake	L1	94.00	94.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Ralls	07110007	1, 5
306	2016	7301.00	Monsanto Lake	L3	18.00	18.00	Acres	AQL	Nitrogen, Total (W)	Source Unknown	St. Francois	07140104	1, 4, 6
307	2018	7301.00	Monsanto Lake	L3	18.00	18.00	Acres	AQL	Chlorophyll-a (W)	Source Unknown	St. Francois	07140104	1, 4, 6
308	2018	7301.00	Monsanto Lake	L3	18.00	18.00	Acres	AQL	Phosphorus, Total (W)	Source Unknown	St. Francois	07140104	1, 4, 6
309	2010	7402.00	Mozingo Lake	L1	898.00	898.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Nodaway	10240013	1, 5
310	2018	0853.00	Muddy Cr.	P	62.20	62.20	Miles	WBC B	Escherichia coli (W)	Rural NPS	Pettis	10300103	1
311	2016	0158.00	N. Fk. Cuivre R.	P	25.10	25.10	Miles	WBC A	Escherichia coli (W)	Rural NPS	Pike/Lincoln	07110008	1
312	2018	0110.00	N. Fk. Salt R.	P	84.90	84.90	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Shelby/Monroe	07110005	1, 5
313	2006	3188.00	N. Fk. Spring R.	C	55.90	55.90	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Dade/Jasper	11070207	1



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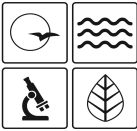
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
314	2008	3186.00	N. Fk. Spring R.	P	17.40	17.40	Miles	WBC B	Escherichia coli (W)	Rural NPS	Jasper	11070207	1
315	2008	3188.00	N. Fk. Spring R.	C	55.90	55.90	Miles	WBC B	Escherichia coli (W)	Rural NPS	Dade/Jasper	11070207	1
316	2006	1170.00	Niangua R.	P	56.00	56.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Webster/Dallas	10290110	1
317	2008	3260.00	N. Indian Cr.	P	5.20	5.20	Miles	WBC B	Escherichia coli (W)	Rural NPS	Newton	11070208	1
318	2012	3260.00	N. Indian Cr.	P	5.20	5.20	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Newton	11070208	1, 8
319	2014	0227.00	Nishnabotna R.	P	10.20	10.20	Miles	WBC B	Escherichia coli (W)	Rural NPS	Atchison	10240004	1, 5
320	2018	0227.00	Nishnabotna R.	P	10.20	10.20	Miles	SCR	Escherichia coli (W)	Rural NPS	Atchison	10240004	1, 5
321	2002	7316.00	Noblett Lake	L3	26.00	26.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Douglas	11010006	1
322	2014	7316.00	Noblett Lake	L3	26.00	26.00	Acres	AQL	Chlorophyll-a (W)	Nonpoint Source	Douglas	11010006	1, 4
323	2014	7316.00	Noblett Lake	L3	26.00	26.00	Acres	AQL	Phosphorus, Total (W)	Nonpoint Source	Douglas	11010006	1, 4
324	2006	0550.00	No Cr.	P	28.70	28.70	Miles	WBC B	Escherichia coli (W)	Rural NPS	Grundy/Livingston	10280102	1
325	2010	0550.00	No Cr.	P	28.70	28.70	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Grundy/Livingston	10280102	1
326	2018	0550.00	No Cr.	P	28.70	28.70	Miles	SCR	Escherichia coli (W)	Source Unknown	Grundy/Livingston	10280102	1
327	2010	0279.00	Nodaway R.	P	59.30	59.30	Miles	WBC B	Escherichia coli (W)	Rural NPS	Nodaway/Andrew	10240010	1
328	2016	7317.00	Norfolk Lake	L2	1000.00	1000.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Ozark	11010006	1
329	2010	7109.00	North Bethany City Reservoir	L3	78.00	78.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Harrison	10280101	1
330	2014	3811.00	North Branch Wilsons Cr.	P	3.80	3.80	Miles	AQL	Zinc (S)	Urban NPS	Greene	11010002	1
331	2016	1794.00	Omete Cr.	C	1.20	1.20	Miles	SCR	Escherichia coli (W)	Source Unknown	Perry	07140105	1
332	2016	1794.00	Omete Cr.	C	1.20	1.20	Miles	WBC B	Escherichia coli (W)	Source Unknown	Perry	07140105	1
333	2018	3190.00	Opossum Cr.	C	6.40	6.40	Miles	WBC B	Escherichia coli (W)	Rural NPS	Jasper	11070207	1
334	2010	1293.00	Osage R.	P	50.70	50.70	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Vernon/St. Clair	10290105	1
335	2016	1293.00	Osage R.	P	50.70	50.70	Miles	WBC A	Escherichia coli (W)	Source Unknown	Vernon/St. Clair	10290105	1
336	2006	1373.00	Panther Cr.	C	9.70	9.70	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Polk/St. Clair	10290106	1
337	2006	2373.00	Pearson Cr.	P	8.00	8.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Greene	11010002	1
338	2008	2373.00	Pearson Cr.	P	8.00	8.00	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	Greene	11010002	1, 8
339	2016	0099.00	Peno Cr.	C	14.40	14.40	Miles	AQL	Oxygen, Dissolved (W)	Northeast Correctional Center WWTP	Pike	07110007	1
340	2016	7273.00	Perry County Community Lake	L3	89.00	89.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Perry	07140105	1
341	2008	7628.00	Perry Phillips Lake	UL	32.00	32.00	Acres	GEN	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Boone	10300102	1, 7
342	2002	0218.00	Peruque Cr.	C	10.90	10.90	Miles	AQL	Fishes Bioassessments/ Unknown (W)	Nonpoint Source	Warren/St. Charles	07110009	1, 8
343	2012	0215.00	Peruque Cr.	P1	9.60	9.60	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	St. Charles	07110009	1
344	2016	0218.00	Peruque Cr.	C	10.90	10.90	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Warren/St. Charles	07110009	1
345	2018	0785.00	Petite Saline Cr.	P	21.00	21.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Cooper/Moniteau	10300102	1



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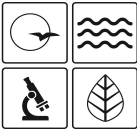
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
346	2010	2815.00	Pike Cr.	C	6.00	6.00	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Butler	11010007	1
347	2010	0312.00	Platte R.	P	142.40	142.40	Miles	WBC B	Escherichia coli (W)	Rural NPS	Worth/Platte	10240012	1, 5
348	2012	1327.00	Pleasant Run Cr.	C	7.60	7.60	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Vernon	10290104	1
349	2006	3120.00	Pole Cat Slough	P	12.60	12.60	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Dunklin	08020204	1
350	2014	3120.00	Pole Cat Slough	P	12.60	12.60	Miles	AQL	Temperature, water (W)	Source Unknown	Dunklin	08020204	1
351	2014	1440.00	Pomme de Terre R.	P	69.10	69.10	Miles	WBC A	Escherichia coli (W)	Rural NPS	Webster/Polk	10290107	1
352	2006	2038.00	Red Oak Cr.	C	10.00	10.00	Miles	AQL	Oxygen, Dissolved (W)	Owensville WWTP	Gasconade	07140103	1
353	2018	0743.00	Renfro Cr.	C	1.50	1.50	Miles	AQL	Oxygen, Dissolved (W)	Abandoned Mine Lands and Rural NPS	Callaway/Boone	10300102	1
354	2016	7204.00	Rinquelin Trail Community Lake	L3	27.00	27.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Maries	10290111	1
355	2006	1710.00	River des Peres	P	2.60	2.60	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis City	07140101	1
356	2006	3972.00	River des Peres	C	13.60	13.60	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
357	2010	1710.00	River des Peres	P	2.60	2.60	Miles	AQL	Oxygen, Dissolved (W)	Urban Runoff/Storm Sewers	St. Louis City	07140101	1
358	2012	1710.00	River des Peres	P	2.60	2.60	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis City	07140101	1
359	2016	3972.00	River des Peres	C	13.60	13.60	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
360	2016	3972.00	River des Peres	C	13.60	13.60	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
361	2018	4111.00	River des Peres tributary	C	1.80	1.80	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
362	2018	4111.00	River des Peres tributary	C	1.80	1.80	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
363	2018	4111.00	River des Peres tributary	C	1.80	1.80	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
364	2018	4106.00	Rock Creek	C	6.20	6.20	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson/Clay	10300101	1
365	2018	4106.00	Rock Creek	C	6.20	6.20	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson/Clay	10300101	1
366	2018	3577.00	Sadler Br.	C	0.80	0.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Polk	10290106	1
367	2010	0594.00	Salt Cr.	C	14.90	14.90	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Chariton	10280103	1
368	2014	0893.00	Salt Fk.	P	26.70	26.70	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Saline	10300104	1
369	2012	2113.00	Salt Pine Cr.	C	1.20	1.20	Miles	AQL	Lead (S)	Barite tailings pond	Washington	07140104	1
370	2012	2113.00	Salt Pine Cr.	C	1.20	1.20	Miles	AQL	Zinc (S)	Barite tailings pond	Washington	07140104	1
371	2008	0091.00	Salt R.	P	29.00	29.00	Miles	AQL	Oxygen, Dissolved (W)	Mark Twain Lake re-regulation dam	Ralls/Pike	07110007	1, 5
372	2012	0103.00	Salt R.	P1	9.30	9.30	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Ralls	07110007	1, 5
373	2014	0103.00	Salt R.	P1	9.30	9.30	Miles	AQL	Oxygen, Dissolved (W)	Cannon Dam	Ralls	07110007	1, 5



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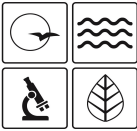
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
374	2006	0655.00	S. Blackbird Cr.	C	13.00	13.00	Miles	AQL	Ammonia, Total (W)	Source Unknown	Putnam	10280201	1
375	2006	0142.00	S. Fk. Salt R.	C	40.10	40.10	Miles	AQL	Oxygen, Dissolved (W)	Mexico WWTP, Rural Nonpoint Source	Callaway/Audrain	07110006	1
376	2006	1249.00	S. Grand R.	P	66.80	66.80	Miles	WBC B	Escherichia coli (W)	Rural NPS	Cass/Henry	10290108	1
377	2014	3222.00	Shoal Cr.	P	50.50	50.50	Miles	AQL	Zinc (S)	Mill Tailings	Newton	11070207	1, 5
378	2018	3244.00	Silver Cr.	P	1.90	1.90	Miles	AQL	Zinc (S)	Mill Tailings	Newton	11070207	1
379	2008	3259.00	S. Indian Cr.	P	8.70	8.70	Miles	WBC B	Escherichia coli (W)	Rural NPS	McDonald/Newton	11070208	1
380	2012	3259.00	S. Indian Cr.	P	8.70	8.70	Miles	AQL	Aquatic Macroinvertebrate Bioassessments/ Unknown (W)	Source Unknown	McDonald/Newton	11070208	1, 8
381	2014	3754.00	Slater Br.	C	3.70	3.70	Miles	WBC B	Escherichia coli (W)	Nonpoint Source	Jasper	11070207	1
382	2006	0399.00	Sni-a-bar Cr.	P	36.60	36.60	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Jackson/Lafayette	10300101	1
383	2012	0224.00	Spencer Cr.	C	1.50	1.50	Miles	AQL	Chloride (W)	Road/Bridge Runoff, Non-construction	St. Charles	07110009	1
384	2016	5007.00	Spring Branch	C	3.10	3.10	Miles	WBC B	Escherichia coli (W)	Source Unknown	St. Louis	07140102	1
385	2018	5004.00	Spring Branch	C	6.70	6.70	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
386	2018	5004.00	Spring Branch	C	6.70	6.70	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jackson	10300101	1
387	2006	3160.00	Spring R.	P	61.70	61.70	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence/Jasper	11070207	1
388	2010	3164.00	Spring R.	P	8.80	8.80	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
389	2010	3165.00	Spring R.	P	11.90	11.90	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
390	2018	4112.00	Spring River tributary	C	4.00	4.00	Miles	WBC B	Escherichia coli (W)	Nonpoint Source	Jasper	11070207	1
391	2018	2677.00	Spring Valley Cr.	P	10.80	10.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Shannon	11010008	1
392	2006	3135.00	Stevenson Bayou	C	6.40	6.40	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Mississippi	08020201	1
393	2012	2835.00	St. Francis R.	P	93.10	93.10	Miles	CLF	Temperature, water (W)	Source Unknown	St. Francois	08020202	1
394	2006	3138.00	St. Johns Ditch	P	15.30	15.30	Miles	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	New Madrid	08020201	1
395	2006	0959.00	Straight Fk.	C	6.00	6.00	Miles	AQL	Oxygen, Dissolved (W)	Versailles WWTP	Morgan	10300102	1
396	2018	0959.00	Straight Fk.	C	6.00	6.00	Miles	WBC B	Escherichia coli (W)	Versailles WWTF	Morgan	10300102	1
397	2006	2751.00	Strother Cr.	P	6.00	6.00	Miles	AQL	Zinc (S)	Buick Lead Mine/Mill	Iron/Reynolds	11010007	1
398	2006	3965.00	Strother Cr.	US	0.90	0.90	Miles	GEN	Zinc (S)	Buick Lead Mine/Mill	Reynolds/Iron	11010007	1, 7
399	2008	2751.00	Strother Cr.	P	6.00	6.00	Miles	AQL	Lead (S)	Buick Lead Mine/Mill	Iron/Reynolds	11010007	1
400	2008	2751.00	Strother Cr.	P	6.00	6.00	Miles	AQL	Nickel (S)	Buick Lead Mine/Mill	Iron/Reynolds	11010007	1
401	2008	3965.00	Strother Cr.	US	0.90	0.90	Miles	GEN	Arsenic (S)	Buick Lead Mine/Mill	Reynolds/Iron	11010007	1, 7
402	2008	3965.00	Strother Cr.	US	0.90	0.90	Miles	GEN	Lead (S)	Buick Lead Mine/Mill	Reynolds/Iron	11010007	1, 7
403	2008	3965.00	Strother Cr.	US	0.90	0.90	Miles	GEN	Nickel (S)	Buick Lead Mine/Mill	Reynolds/Iron	11010007	1, 7
404	2010	2751.00	Strother Cr.	P	6.00	6.00	Miles	AQL	Lead (W)	Buick Lead Mine/Mill	Iron/Reynolds	11010007	1
405	2010	2751.00	Strother Cr.	P	6.00	6.00	Miles	AQL	Zinc (W)	Buick Lead Mine/Mill	Iron/Reynolds	11010007	1
406	2012	3965.00	Strother Cr.	US	0.90	0.90	Miles	GEN	Zinc (W)	Buick Lead Mine/Mill	Reynolds/Iron	11010007	1, 7
407	2006	0686.00	Sugar Cr.	P	6.80	6.80	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Randolph	10280203	1
408	2018	0686.00	Sugar Cr.	P	6.80	6.80	Miles	AQL	Sulfate + Chloride (W)	Source Unknown	Randolph	10280203	1



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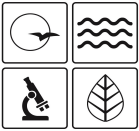
Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
409	2018	4108.00	Sugar Creek	C	1.80	1.80	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
410	2018	4108.00	Sugar Creek	C	1.80	1.80	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
411	2018	4117.00	Sugar Creek	C	3.60	3.60	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
412	2018	4117.00	Sugar Creek	C	3.60	3.60	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140102	1
413	2014	7166.00	Sugar Creek Lake	L1	308.00	308.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Randolph	10280203	1, 5
414	2006	7399.00	Sunset Lake	L3	6.00	6.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Cole	10300102	1
415	2002	7313.00	Table Rock Lake	L2	41747.00	41747.00	Acres	AQL	Chlorophyll-a (W)	Municipal Point Source Discharges, Nonpoint Source	Stone	11010001	1, 4
416	2002	7313.00	Table Rock Lake	L2	41747.00	41747.00	Acres	AQL	Nitrogen, Total (W)	Municipal Point Source Discharges, Nonpoint Source	Stone	11010001	1, 4
417	2002	7313.00	Table Rock Lake	L2	41747.00	41747.00	Acres	AQL	Nutrient/Eutrophication Biol. Indicators (W)	Municipal Point Source Discharges, Nonpoint Source	Stone	11010001	1, 4
418	2016	7352.00	Thirtyfour Corner Blue Hole	L3	9.00	9.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Mississippi	08010100	1
419	2008	0549.00	Thompson R.	P	70.60	70.60	Miles	WBC B	Escherichia coli (W)	Rural NPS	Harrison	10280102	1, 5
420	2012	3243.00	Thurman Cr.	P	3.00	3.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	Newton	11070207	1
421	2010	2114.00	Trib. Old Mines Cr.	C	1.50	1.50	Miles	AQL	Sedimentation/Siltation (S)	Barite tailings pond	Washington	07140104	1
422	2018	2114.00	Trib. Old Mines Cr.	C	1.50	1.50	Miles	AQL	Lead (S)	Barite tailings pond	Washington	07140104	1
423	2018	2114.00	Trib. Old Mines Cr.	C	1.50	1.50	Miles	AQL	Zinc (S)	Barite tailings pond	Washington	07140104	1
424	2010	1420.00	Trib. to Goose Cr.	C	3.00	3.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	Lawrence	10290106	1
425	2006	3490.00	Trib. to L. Muddy Cr.	C	1.00	1.00	Miles	AQL	Chloride (W)	Tyson Foods	Pettis	10300103	1
426	2006	3360.00	Trib. to Red Oak Cr.	P	0.50	0.50	Miles	AQL	Oxygen, Dissolved (W)	Owensville WWTP	Gasconade	07140103	1
427	2006	3361.00	Trib. to Red Oak Cr.	C	1.90	1.90	Miles	AQL	Oxygen, Dissolved (W)	Owensville WWTP	Gasconade	07140103	1
428	2014	3981.00	Trib. to Shoal Cr.	US	1.56	1.56	Miles	GEN	Cadmium (W)	Tanyard Hollow Pits	Jasper/Newton	11070207	1, 7
429	2014	3981.00	Trib. to Shoal Cr.	US	1.56	1.56	Miles	GEN	Zinc (W)	Tanyard Hollow Pits	Jasper/Newton	11070207	1, 7
430	2014	3982.00	Trib. to Shoal Cr.	US	2.20	2.20	Miles	GEN	Zinc (W)	Maiden Lane Pits	Jasper/Newton	11070207	1, 7
431	2014	3983.00	Trib. to Turkey Cr.	US	2.90	2.90	Miles	GEN	Cadmium (S)	Abandoned Smelter Site	Jasper	11070207	1, 7
432	2014	3983.00	Trib. to Turkey Cr.	US	2.90	2.90	Miles	GEN	Lead (S)	Abandoned Smelter Site	Jasper	11070207	1, 7
433	2014	3983.00	Trib. to Turkey Cr.	US	2.90	2.90	Miles	GEN	Zinc (S)	Abandoned Smelter Site	Jasper	11070207	1, 7
434	2014	3983.00	Trib. to Turkey Cr.	US	2.90	2.90	Miles	GEN	Zinc (W)	Abandoned Smelter Site	Jasper	11070207	1, 7
435	2014	3984.00	Trib. to Turkey Cr.	US	2.20	2.20	Miles	GEN	Zinc (W)	Leadwood Hollow pits	Jasper	11070207	1, 7
436	2014	3985.00	Trib. to Turkey Cr.	US	1.60	1.60	Miles	GEN	Zinc (W)	Chitwood Hollow pits	Jasper	11070207	1, 7



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Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
437	2016	3983.00	Trib. to Turkey Cr.	US	2.90	2.90	Miles	GEN	Cadmium (W)	Abandoned Smelter Site	Jasper	11070207	1, 7
438	2016	3984.00	Trib. to Turkey Cr.	US	2.20	2.20	Miles	GEN	Cadmium (W)	Mill Tailings	Jasper	11070207	1, 7
439	2006	0956.00	Trib. to Willow Fk.	C	0.50	0.50	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Moniteau	10300102	1
440	2006	3589.00	Trib. to Wolf Cr.	C	1.50	1.50	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	St. Francois	08020202	2
441	2006	0074.00	Troublesome Cr.	C	41.30	41.30	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Knox	07110003	1
442	2012	0074.00	Troublesome Cr.	C	41.30	41.30	Miles	AQL	Sedimentation/Siltation (S)	Habitat Mod. - other than Hydromod.	Knox/Marion	07110003	1
443	2012	3175.00	Truitt Cr.	C	6.40	6.40	Miles	SCR	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
444	2016	3174.00	Truitt Cr.	P	1.50	1.50	Miles	WBC B	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
445	2006	3216.00	Turkey Cr.	P	7.70	7.70	Miles	AQL	Cadmium (S)	Tri-State Mining District	Jasper	11070207	1
446	2006	3216.00	Turkey Cr.	P	7.70	7.70	Miles	AQL	Cadmium (W)	Tri-State Mining District	Jasper	11070207	1
447	2006	3216.00	Turkey Cr.	P	7.70	7.70	Miles	AQL	Zinc (S)	Tri-State Mining District	Jasper	11070207	1
448	2006	3216.00	Turkey Cr.	P	7.70	7.70	Miles	WBC B	Escherichia coli (W)	Nonpoint Source	Jasper	11070207	1
449	2006	3217.00	Turkey Cr.	P	6.10	6.10	Miles	AQL	Cadmium (S)	Tri-State Mining District	Jasper	11070207	1
450	2006	3217.00	Turkey Cr.	P	6.10	6.10	Miles	AQL	Lead (S)	Tri-State Mining District	Jasper	11070207	1
451	2006	3217.00	Turkey Cr.	P	6.10	6.10	Miles	AQL	Zinc (S)	Tri-State Mining District	Jasper	11070207	1
452	2006	3217.00	Turkey Cr.	P	6.10	6.10	Miles	WBC A	Escherichia coli (W)	Urban Runoff/Storm Sewers	Jasper	11070207	1
453	2006	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Cadmium (W)	Bonne Terre chat pile	St. Francois	07140104	1
454	2006	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Lead (W)	Bonne Terre chat pile	St. Francois	07140104	1
455	2006	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Zinc (W)	Bonne Terre chat pile	St. Francois	07140104	1
456	2008	3216.00	Turkey Cr.	P	7.70	7.70	Miles	AQL	Lead (S)	Tri-State Mining District	Jasper	11070207	1
457	2012	0751.00	Turkey Cr.	C	6.30	6.30	Miles	WBC A	Escherichia coli (W)	Source Unknown	Boone	10300102	1
458	2016	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Cadmium (S)	Bonne Terre chat pile	St. Francois	07140104	1
459	2016	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Copper (S)	Bonne Terre chat pile	St. Francois	07140104	1
460	2016	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Lead (S)	Bonne Terre chat pile	St. Francois	07140104	1
461	2016	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Nickel (S)	Bonne Terre chat pile	St. Francois	07140104	1
462	2016	3282.00	Turkey Cr.	P	2.40	2.40	Miles	AQL	Zinc (S)	Bonne Terre chat pile	St. Francois	07140104	1
463	2018	2985.00	Turkey Cr.	C	3.10	3.10	Miles	AQL	Ammonia, Total (W)	Puxico WWTF	Stoddard	08020203	1
464	2018	2985.00	Turkey Cr.	C	3.10	3.10	Miles	AQL	Oxygen, Dissolved (W)	Puxico WWTF	Stoddard	08020203	1
465	2010	1414.00	Turnback Cr.	P	19.90	19.90	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence/Dade	10290106	1
466	2016	4079.00	Twomile Creek	C	5.60	5.60	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
467	2016	7099.00	Unity Village Lake #2	L1	26.00	26.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Jackson	10300101	1, 5



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Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
468	2006	1708.00	Watkins Cr.	C	1.40	1.40	Miles	AQL	Chloride (W)	Urban Runoff/Storm Sewers	St. Louis/St. Louis City	07140101	1
469	2016	4097.00	Watkins Creek tributary	C	1.20	1.20	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
470	2016	4097.00	Watkins Creek tributary	C	1.20	1.20	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
471	2016	4098.00	Watkins Creek tributary	C	1.20	1.20	Miles	SCR	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
472	2016	4098.00	Watkins Creek tributary	C	1.20	1.20	Miles	WBC B	Escherichia coli (W)	Urban Runoff/Storm Sewers	St. Louis	07140101	1
473	2010	7071.00	Weatherby Lake	L3	185.00	185.00	Acres	AQL	Nitrogen, Total (W)	Urban Runoff/Storm Sewers	Platte	10240011	1, 4
474	2012	7071.00	Weatherby Lake	L3	185.00	185.00	Acres	AQL	Chlorophyll-a (W)	Urban Runoff/Storm Sewers	Platte	10240011	1, 4
475	2012	7071.00	Weatherby Lake	L3	185.00	185.00	Acres	HHP	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	Platte	10240011	1
476	2014	7071.00	Weatherby Lake	L3	185.00	185.00	Acres	AQL	Phosphorus, Total (W)	Urban Runoff/Storm Sewers	Platte	10240011	1, 4
477	2006	0560.00	Weldon R.	P	43.40	43.40	Miles	WBC B	Escherichia coli (W)	Rural NPS	Mercer/Grundy	10280102	1
478	2008	2755.00	W. Fk. Black R.	P	32.30	32.30	Miles	AQL	Lead (S)	West Fork Lead Mine/ Mill	Reynolds	11010007	1
479	2008	2755.00	W. Fk. Black R.	P	32.30	32.30	Miles	AQL	Nickel (S)	West Fork Lead Mine/ Mill	Reynolds	11010007	1
480	2006	1317.00	W. Fk. Dry Wood Cr.	C	8.10	8.10	Miles	AQL	Oxygen, Dissolved (W)	Source Unknown	Vernon	10290104	1
481	2008	1504.00	Whetstone Cr.	P	12.20	12.20	Miles	AQL	Oxygen, Dissolved (W)	Rural NPS	Wright	10290201	1
482	2010	3182.00	White Oak Cr.	C	18.00	18.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence/Jasper	11070207	1
483	2012	1700.00	Wildhorse Cr.	C	3.90	3.90	Miles	WBC B	Escherichia coli (W)	Rural, Residential Areas	St. Louis	10300200	1
484	2010	3171.00	Williams Cr.	P	1.00	1.00	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
485	2010	3172.00	Williams Cr.	P	8.50	8.50	Miles	WBC A	Escherichia coli (W)	Rural NPS	Lawrence	11070207	1
486	2012	3594.00	Williams Cr.	P	1.00	1.00	Miles	WBC B	Escherichia coli (W)	Rural NPS	St. Louis	07140102	1
487	2016	3594.00	Williams Cr.	P	1.00	1.00	Miles	SCR	Escherichia coli (W)	Rural NPS	St. Louis	07140102	1
488	2010	3280.00	Willow Br.	P	2.20	2.20	Miles	WBC B	Escherichia coli (W)	Rural NPS	Newton	11070206	1
489	2014	3280.00	Willow Br.	P	2.20	2.20	Miles	AQL	Cadmium (S)	Mill Tailings	Newton	11070206	1
490	2014	3280.00	Willow Br.	P	2.20	2.20	Miles	AQL	Zinc (S)	Mill Tailings	Newton	11070206	1
491	2006	0955.00	Willow Fk.	C	6.80	6.80	Miles	AQL	Oxygen, Dissolved (W)	Tipton WWTP	Moniteau	10300102	1
492	2006	2375.00	Wilson Cr.	P	14.00	14.00	Miles	WBC B	Escherichia coli (W)	Nonpoint Source	Greene/Christian	11010002	1
493	2014	2375.00	Wilson Cr.	P	14.00	14.00	Miles	AQL	Polycyclic Aromatic Hydrocarbons-PAHs (S)	Nonpoint Source	Greene	11010002	1
494	2014	2429.00	Woods Fk.	C	5.50	5.50	Miles	AQL	Fishes Bioassessments/ Unknown (W)	Source Unknown	Christian	11010003	1, 8



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Row #	Year	WBID	Waterbody	Class	Imp. Size	WB Size	Units	IU	Pollutant	Source	County Up/Down	WBD 8	Comment
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Key To List:

Bolded rows are new listings for the 2018 listing cycle

Row #: Row number that is not unique to any water, but is simply a count of the rows (listings)

Year: Year this waterbody/pollutant pair was added to the 303(d) List

WBID: Unique waterbody identification number. Clicking the link will bring up a WQA Public Search webpage with the available data for that WBID

Waterbody: Name of the waterbody.

Class: Waterbody Classification in Missouri State Water Quality Standards: P - Permanently Flowing Waters, C - Intermittently Flowing Waters, L1 - Drinking Water Reservoirs, L2 - Large Multi-purpose Lakes, L3 - Other Recreational Lakes, US - Unclassified Stream, UL - Unclassified Lake

Imp. Size: Size of the impaired portion of the waterbody segment

WB Size: Size of entire waterbody segment

IU: Impaired Use

AQL - Protection of Aquatic Life ; CLF - Cool-Water Fishery ; DWS - Drinking Water Supply ; GEN - General Criteria ; HHP - Human-Health Protection (Fish Consumption) ; SCR - Secondary Contact Recreation

WBC A - Whole Body Contact Recreation A (Designated Public Swimming Areas) ; WBC B - Whole Body Contact Recreation B (Those areas not considered WBC A)

Pollutant: The reason/cause the water is impaired

Media Indicators: (W) - The pollutant is in the water ; (S) - The pollutant is in the sediment ; (T) - The pollutant is in the tissue of an organism ; If no media indicator is shown the pollutant is in the water

Source: The source of the pollutant causing the impairment

County Up/Down: The county of the upstream end and downstream end of the segment that is impaired. Clicking the link will bring up a map viewer displaying the location of the impaired portion of the waterbody.

Comment:

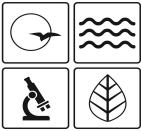
- 1 - 2018 Assessment indicates impairment
- 2 - Assessment shows existing data is insufficient to show "good cause" for delisting
- 3 - Biological data does not support delisting
- 4 - Nutrient related impairment
- 5 - Water is a Public Drinking Water Supply
- 6 - Monsanto Lake is part of the group of lakes known as the St. Joe State Park Lakes
- 7 - General Use pertaining to Aquatic Life
- 8 - These waters are listed as either "Aquatic Macroinvertebrate Bioassessment/Unknown (W)" or "Fishes Bioassessment/Unknown (W)". These waters lack the necessary information to point to a discrete pollutant and do not show signs of habitat impairment. Since we currently cannot point to a specific pollutant as the cause, we are listing the observed effect as the reason the waters are impaired.
- 9 - Only Lac Capri of the Terre Du Lac Lakes is impaired

Missouri Department of Natural Resources, Water Protection Program, (573)751-1300, www.dnr.mo.gov

http://www.dnr.mo.gov/mocwis_public/wqa/waterbodySearch.do

<http://dnr.mo.gov/env/esp/wqm/biologicalassessments.htm>

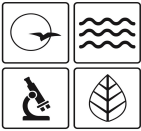
06/28/2017



Missouri Department of Natural Resources
2018 Section 303(d) Delisted Waters

Public Notice Period -- July 3, 2017 through October 13, 2017

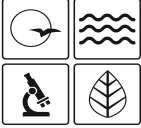
Row #	Year	WBID	Waterbody Name	Pollutant	Delist Reason	Delist Comment	County Up/Down	WBD #
1	2018	2188	Antire Cr.	pH (W)	WQS attained; recovery reason unknown	New data shows stream meets LMD definition of unimpaired water.	St. Louis	07140102
2	2018	2080	Big R.	Zinc (S)	4A - TMDL approved or established by EPA	TMDL Approved in 2010	Washington/Jefferson	07140104
3	2018	1701	Bonhomme Cr.	pH (W)	WQS attained; recovery reason unknown	No exceedances of this standard occurred in 68 samples from 2010 through 2016.	St. Louis	10300200
4	2018	3986	Brush Creek	Chrysene, C1-C4 (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Jackson	10300101
5	2018	3986	Brush Creek	Fluoranthene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Jackson	10300101
6	2018	3986	Brush Creek	Phenanthrene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Jackson	10300101
7	2018	3986	Brush Creek	Pyrene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Jackson	10300101
8	2018	1943	Courtois Cr.	Zinc (S)	Status unknown - Orig listing in error	Geomean was originally compared to 100% PEC not 150% PEC. Geomen is less than 150% PEC.	Washington/Crawford	07140102
9	2018	3964	East Whetstone Cr.	Ammonia, Total (W)	WQS attained; due to restoration action	Mountain Grove East WWTP was upgraded in 2013. Recent 2015 data shows no DO or Ammonia problems.	Wright	10290201
10	2018	2186	Fishpot Cr.	Escherichia coli (W)	4A - TMDL approved or established by EPA	EPA Approved TMDL in 2016.	St. Louis	07140102
11	2018	7152	Hazel Creek Lake	Mercury in Fish Tissue (T)	WQS attained; recovery reason unknown	Additional data reduced the geomean of Hg in fish tissue.	Adair	10280201
12	2018	596	Hickory Br.	Oxygen, Dissolved (W)	WQS attained; recovery reason unknown	No impairment using current listing methodology. However, it is likely that the DO issue remains. Additional testing will be recommended.	Chariton	10280103
13	2018	3256	Indian Cr.	Escherichia coli (W)	WQS attained; recovery reason unknown	Most recent three years geomeans all less than the criterion.	Newton/McDonald	11070208
14	2018	3374	Jordan Cr.	Benzo-a-anthracene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene	11010002
15	2018	3374	Jordan Cr.	Benzo-a-pyrene -PAHs (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene	11010002
16	2018	3374	Jordan Cr.	Chrysene, C1-C4 (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene	11010002
17	2018	3374	Jordan Cr.	Fluoranthene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene	11010002
18	2018	3374	Jordan Cr.	Phenanthrene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene	11010002
19	2018	3374	Jordan Cr.	Pyrene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene	11010002
20	2018	7054	Lake St. Louis	Mercury in Fish Tissue (T)	WQS attained; recovery reason unknown	Using additional data, the mean level dropped below 0.3 mg/kg.	St. Charles	07110009
21	2018	3105	Lateral #2 Main Ditch	Temperature, water (W)	WQS attained; recovery reason unknown	New data in 2015 and 2016 shows 4 exceedances out of 21 measurements. Binomial probability is 0.1520 according to LMD not impaired.	Stoddard	08020204
22	2018	623	L. Medicine Cr.	Aquatic Macroinvertebrate Bioassessments (W)	WQS attained; new assessment method	Using binomial probability, waterbody numbers do not differ from biorefs.	Mercer/Grundy	10280103



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Row #	Year	WBID	Waterbody Name	Pollutant	Delist Reason	Delist Comment	County Up/Down	WBD 8
23	2018	606	Locust Cr.	Benthic-Macroinvertebrate Bioassessments (W)	WQS attained; new assessment method	Additional (MDC-RAM) data considered; no impairment indicated.	Putnam/Chariton	10280103
24	2018	857	Long Br.	Oxygen, Dissolved (W)	WQS attained; recovery reason unknown	Additional DO data shows no longer impaired (3 out of 18 samples Binomial Probability of 0.266)	Johnson/Pettis	10300103
25	2018	3140	Maple Slough	Oxygen, Dissolved (W)	WQS attained; new assessment method	For DO exceedances, use of binomial probability adjustment reverses impairment decision. For inverts, this waterbody is the biorep for the EDU, so its attainment percentage equals the EDU's.	Mississippi/New Madrid	08020201
26	2018	2185	Meramec R.	Lead (S)	Status unknown - Orig listing in error	Lacks biological data to confirm impairment, original assessment did not include 2008 duplicate samples. Geomean now under 150% PEC.	Jefferson/St. Louis	07140102
27	2018	853	Muddy Cr.	Aquatic Macroinvertebrate Bioassessments (W)	WQS attained; recovery reason unknown	Recent data shows invert community scores are all above 16.	Pettis	10300103
28	2018	170	N. Fk. Cuivre R.	Escherichia coli (W)	Status unknown - Orig listing in error	There are no E. coli data for this waterbody. Data from an adjacent waterbody (158) were used in previous assessments.	Pike	07110008
29	2018	3188	N. Fk. Spring R.	Ammonia, Total (W)	WQS attained; due to restoration action	Lamar WWTF upgraded in 2012. No Ammonia DMR violations in last three years.	Dade/Jasper	11070207
30	2018	7441	Palmer Lake	Mercury in Fish Tissue (T)	WQS attained; recovery reason unknown	New data shows average and 60% UCL below 0.3 criterion.	Washington	07140102
31	2018	217	Peruque Cr.	Fishes Bioassessments (W)	WQS attained; original listing incorrect	MDNR (2002) study contradicts conclusion that waterbody is impaired by fine sediment deposition. Using current listing methodology, no impairments are indicated.	St. Charles	07110009
32	2018	2113	Salt Pine Cr.	Aquatic Macroinvertebrate Bioassessments (W)	Status unknown - Orig listing in error	Changing pollutant to Lead and Zinc in sediment.	Washington	07140104
33	2018	2119	Shibboleth Br.	Lead (S)	4A - TMDL approved or established by EPA	TMDL for Shibboleth Br. WBID 2120 covers the same sources for WBID 2119. WBID 2120 flows into 2119.	Washington	07140104
34	2018	2119	Shibboleth Br.	Zinc (S)	4A - TMDL approved or established by EPA	TMDL for Shibboleth Br. WBID 2120 covers the same sources for WBID 2119. WBID 2120 flows into 2119.	Washington	07140104
35	2018	3230	Shoal Cr.	Fecal Coliform (W)	Status unknown - Orig listing in error	Changing listed pollutant to E.coli.	Barry/Newton	11070207
36	2018	3138	St. Johns Ditch	Escherichia coli (W)	WQS attained; recovery reason unknown	Three most recent years did not exceed WBC(B) standard.	New Madrid	08020201
37	2018	7297	Terre Du Lac Lakes	Nitrogen, Total (W)	WQS attained; recovery reason unknown	Newly added data shows geomeans all below criteria.	St. Francois	07140104
38	2018	133	Trib. to Coon Cr.	Oxygen, Dissolved (W)	WQS attained; original listing incorrect	Per LMD, the waterbody is not impaired; but it does appear to have DO/nutrients issues.	Randolph	07110006
39	2018	2579	Warm Fk. Spring R.	Fecal Coliform (W)	WQS attained; recovery reason unknown	E. coli data from 2016 were below WBC(A) standard.	Oregon	11010010
40	2018	3280	Willow Br.	Lead (S)	WQS attained; recovery reason unknown	New data shows geomean is less than 150% PEC.	Newton	11070206
41	2018	2375	Wilsons Cr.	Benzo-a-anthracene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene/Christian	11010002
42	2018	2375	Wilsons Cr.	Chrysene, C1-C4 (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene/Christian	11010002
43	2018	2375	Wilsons Cr.	Fluoranthene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene/Christian	11010002



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Row #	Year	WBID	Waterbody Name	Pollutant	Delist Reason	Delist Comment	County Up/Down	WBD 8
44	2018	2375	Wilsons Cr.	Phenanthrene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene/Christian	11010002
45	2018	2375	Wilsons Cr.	Pyrene (S)	Status unknown - Orig listing in error	Water is being relisted under Polycyclic Aromatic Hydrocarbons-PAHs.	Greene/Christian	11010002

Key To List:

Row #: Row number that is not unique to any water, but is simply a count of the rows (listings).

Year = Year this waterbody/pollutant pair was delisted

WBID = Unique waterbody identification number

Delist Cause = Pollutant or cause for which the waterbody was originally listed

Delist Reason = Reason/Justification for delisting action

Delist Comment = Comments or additional justification explaining the delisting action

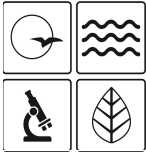
Source = The source of the pollutant causing the impairment

Missouri Department of Natural Resources, Water Protection Program, (573)751-1300, www.dnr.mo.gov

http://www.dnr.mo.gov/mocwis_public/wqa/waterbodySearch.do

<http://dnr.mo.gov/env/esp/wqm/biologicalassessments.htm>

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Missouri Department of Natural Resources

2018 Section 303(d) List Summary Tables

Public Notice Period -- July 3, 2017 through October 13, 2017

Number of Current Listings By Cycle	
Cycle First Listed Year	# of Listings
2002	25
2006	111
2008	42
2010	49
2012	63
2014	56
2016	80
2018	68
Total	494

Use Impairments for 2018 List		
Use	# of Impairments	%
AQL	240	48.58%
WBC B	90	18.22%
HHP	59	11.94%
WBC A	43	8.70%
SCR	36	7.29%
GEN	24	4.86%
CLF	1	0.20%
DWS	1	0.20%
Total:	494	100%

Pollutants on 2018 List		
Pollutant	# of Listings	%
Escherichia coli	169	34.21%
Oxygen, Dissolved	80	16.19%
Mercury in Fish Tissue	64	12.96%
Zinc	34	6.88%
Lead	28	5.67%
Chloride	22	4.45%
Cadmium	30	6.07%
Chlorophyll-a	12	2.43%
Aquatic Macroinvertebrate Bioassessments	10	2.02%
Nitrogen, Total	8	1.62%
Phosphorus, Total	8	1.62%
Ammonia, Total	4	0.81%
Nickel	4	0.81%
Fishes Bioassessments	3	0.61%
Polycyclic Aromatic Hydrocarbons-PAHs	3	0.61%
Sedimentation/Siltation	3	0.61%
Temperature, water	3	0.61%
Copper	2	0.40%
Nutrient/Eutrophication Biol. Indicators	2	0.40%
Total Dissolved Solids	2	0.40%
Arsenic	1	0.20%
Atrazine	1	0.20%
pH	1	0.20%
Total:	494	100%

Sources on 2018 List		
Sources	# of Listings	%
Nonpoint Source	118	22.96%
Source Unknown	96	18.68%
Atmospheric Deposition - Mercury	64	12.45%
Urban Runoff/Storm Sewers	86	16.73%
Point Source	55	10.70%
Mining Related	83	16.15%
Road/Bridge Runoff, Non-construction	3	0.58%
Subsurface, Hardrock, Mining	3	0.58%
Channelization	1	0.19%
Dam or Impoundment	1	0.19%
Habitat Mod. - other than Hydromod.	1	0.19%
Impacts, Flow Regulation/modification	1	0.19%
Municipal, Urbanized High Density Area	1	0.19%
Rural, Residential Areas	1	0.19%



2018 303(d) List & 2020 303(d) Listing Methodology Document
Public Availability Meeting #1
Department of Natural Resources
1101 Riverside Drive
Jefferson City, MO
August 24, 2017

Meeting Purpose:

An open forum for comments, questions and discussion on proposed 2018 303(d) impaired waters listings and the data used for assessments. The meeting was also an open forum for comments, questions, and discussion on the proposed 2020 303(d) Listing Methodology Document

Summary of the Topics Discussed:

303(d) List

- The department provided an overview of the 2018 303(d) List format and organization; staff highlighted new links in the table for finding assessment data and a map viewer for locating proposed impairments and sampling locations. A table at end of the 303(d) List summarizes the list in several ways.
- Bee Fork was discussed in relation to the Doe Run outfall that was removed
 - The department provided information and requirements for collecting additional data for consideration in the assessment
- Addressing potential errors that are identified – The department welcomes information on errors and notification through digital or written communication.
- Age of bacteria data on Wilsons Creek – The department clarified that only the latest 3 years of data is used for assessment, the rest of the data is for informational/trend purposes.
- Bacteria TMDLs – The department provided information on the status and rationale for bacteria TMDLs in the state
- The addition of bolded new listings was helpful, also noted that new (2018) listings may be filtered or sorted using Excel functions.
- Black Creek and E. Fk. Locust Creek were discussed in relation to bacteria and the source identified.
- Trib. to Gravois Creek, and Trib. to River des Peres were discussed in relation to bacteria as well as CSI data. QAPPs for the CSI data were requested.

- Straight Fork was discussed in relation to the age of data and that the identified source has been upgraded after the latest data in the assessment.
- Discussed requirements for Wilsons creek to be put in category 5-alt.
- Discussed Laboratory QC codes
- Discussed data handling of greater than “>” values for bacteria assessments and the process of doubling the values. Discussed situations where not doubling the greater than values results in a geometric mean below the standard
- Discussed situations where flooding and backwater may have affected dissolved oxygen measurements

Listing Methodology Document

- Changes are in red
- Total pages in the header is wrong, but page numbers are correct
- TOC normalization was removed because of variability concerns
 - TOC spreadsheet from May 9th meeting will be posted on the website under that meeting header
- Added language to require only sieved sediment for assessments, bulk data will be used for screening.
- Use of facility Discharge Monitoring Report (DMR) data in assessments. Only instream data following the data requirements in the Listing Methodology Document can be used
- Additional wording added to the macroinvertebrate section clarifying the process and size definitions