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

January 06, 2016

Public Hearing on the Draft 2016 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 2016 Listing Methodology Document (LMD) on July 9, 2014. The department assessed waters and developed the draft 2016 303(d) list following this methodology. The draft list was placed on public notice October 1, 2015.

The draft 2016 303(d) list is composed of 448 waterbody/pollutant pairs. Seventy-five (75) of these listings are new to the list in 2016, and the remaining 373 listings are carried over from the EPA approved 2014 303(d) list.

A total of twenty-nine (29) waterbody/pollutant pairs from the 2014 list are being proposed for de-listing. Of the twenty-nine (29) listings proposed for de-listing, twenty-four (24) now meet water quality standards, two (2) were originally listed in error, two (2) are a result of re-segmentation of the waterbody or revised assessment method, and one (1) due to a wastewater treatment facility upgrade.

The department has held two public availability meetings during the public comment period to answer questions and provide information on the draft 2016 303(d) list and the draft 2018 LMD. Summaries of the discussions from the November 3, 2015 and December 1, 2015 public availability meetings are provided in the Commission packet.

As of December 11, 2015, the department has received to four (4) written comments on the draft 2016 303(d) list. Comments have been received from the city of Independence, Boone County, EPA, and Newman, Comley & Ruth, P.C. Written comments will continue to be accepted through January 31, 2016. 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 2016 303(d) list.

Suggested Motion Language: Hearing only.

List of Attachments:

- Draft 2016 303(d) List
- List of waters on the 2014 303(d) List proposed for removal from the draft 2016 303(d) list
- Summaries of Public Availability Meeting discussions held on November 3, 2015 and December 1, 2015

Missouri Department of Natural Resources
2016 Draft Section 303(d) Listed Waters

Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2012	2188	Antire Cr.	St. Louis	P	1.90	1.90	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	712454	4264477	710077	4264450	07140102	1
2012	2188	Antire Cr.	St. Louis	P	1.90	1.90	Mi.	pH (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	712454	4264477	710077	4264450	07140102	1
2010	7627	August A Busch Lake No. 37	St. Charles	UL	30.00	30.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	GEN		692006	4287346	692006	4287346	07110009	1,7
2016	4083	Barker Creek tributary	Henry	C	1.20	1.20	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	449610	4251789	450292	4250266	10290108	1
2012	752	Bass Cr.	Boone	C	4.40	4.40	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	565032	4297418	561523	4298649	10300102	1
2012	3240	Baynham Br.	Newton	P	4.00	4.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	379681	4092596	374809	4091661	11070207	1
2006	2760	Bee Fk.	Reynolds	C	1.40	6.70	Mi.	Lead (W)	Fletcher Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	668683	4145627	670778	4145985	11010007	1
2014	7309	Bee Tree Lake	St. Louis	L3	10.00	10.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	732843	4254646	732843	4254646	07140102	1
2014	3224	Beef Br.	Newton	P	2.50	2.50	Mi.	Cadmium (S)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	366623	4094312	366294	4097417	11070207	1
2014	3224	Beef Br.	Newton	P	2.50	2.50	Mi.	Cadmium (W)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	366623	4094312	366294	4097417	11070207	1
2014	3224	Beef Br.	Newton	P	2.50	2.50	Mi.	Lead (S)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	366623	4094312	366294	4097417	11070207	1
2014	3224	Beef Br.	Newton	P	2.50	2.50	Mi.	Zinc (S)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	366623	4094312	366294	4097417	11070207	1
2014	3224	Beef Br.	Newton	P	2.50	2.50	Mi.	Zinc (W)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	366623	4094312	366294	4097417	11070207	1
2006	7365	Belcher Branch Lake	Buchanan	L3	42.00	42.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	351264	4382887	351264	4382887	10240012	1
2014	3980	Bens Branch	Jasper	C	5.80	5.80	Mi.	Cadmium (S)	Oronogo/Duenweg Mining Belt	AQL	IRR, LWW, SCR, WBC B, HHP	371061	4111567	370851	4115306	11070207	1
2014	3980	Bens Branch	Jasper	C	5.80	5.80	Mi.	Lead (S)	Oronogo/Duenweg Mining Belt	AQL	IRR, LWW, SCR, WBC B, HHP	371061	4111569	370856	4115293	11070207	1
2014	3980	Bens Branch	Jasper	C	5.80	5.80	Mi.	Zinc (S)	Oronogo/Duenweg Mining Belt	AQL	IRR, LWW, SCR, WBC B, HHP	371058	4111554	370855	4115296	11070207	1
2016	3980	Bens Branch	Jasper	C	5.80	5.80	Mi.	Zinc (W)	Oronogo/Duenweg Mining Belt	AQL	IRR, LWW, SCR, WBC B, HHP	371058	4111554	370856	4115293	11070207	1
1998	2916	Big Cr.	Iron	P	1.80	34.10	Mi.	Cadmium (S)	Glover smelter	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	704416	4150529	704726	4147921	08020202	1
1998	2916	Big Cr.	Iron	P	1.80	34.10	Mi.	Lead (S)	Glover smelter	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	704405	4150532	704724	4147919	08020202	1
2010	1578	Big Piney R.	Texas	P	4.00	7.80	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	DWS, IRR, LWW, SCR, WBC A, HHP	583132	4112464	579840	4108439	10290202	1
2006	2080	Big R.	St. Francois/Jefferson	P	52.80	81.30	Mi.	Cadmium (S)	Old Lead Belt tailings	AQL	IND, IRR, LWW, SCR, WBC A, HHP	712112	4194396	701042	4226033	07140104	1
2010	2080	Big R.	St. Francois/Jefferson	P	52.30	81.30	Mi.	Lead (S)	Mill Tailings	AQL	IND, IRR, LWW, SCR, WBC A, HHP	712625	4193891	701044	4226032	07140104	1
2016	2080	Big R.	Washington/Jefferson	P	81.30	81.30	Mi.	Lead (T)	Mine Tailings	HHP	AQL, IND, IRR, LWW, SCR, WBC A	701036	4226038	686672	4181275	07140104	1
2012	111	Black Cr.	Shelby	P	19.40	19.40	Mi.	Escherichia coli (W)	Shelbyville WWTF, Nonpoint Source	WBC B	AQL, IRR, LWW, SCR, HHP	581883	4405278	593138	4393283	07110005	1
2006	3825	Black Cr.	St. Louis	P	1.60	1.60	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	731266	4278180	732023	4276834	07140101	1
2012	3825	Black Cr.	St. Louis	P	1.60	1.80	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IRR, LWW, HHP	731266	4278180	732023	4276834	07140101	1
2002	2769	Black R.	Butler	P	47.10	47.10	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CLF, DWS, IRR, LWW, SCR, WBC A	729372	4042276	729886	4078610	11010007	1
2002	2784	Black R.	Wayne/Butler	P	39.00	39.00	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CLF, DWS, IRR, LWW, SCR, WBC A	729886	4078610	697890	4112203	11010007	1
2006	3184	Blackberry Cr.	Jasper	C	3.50	6.50	Mi.	Chloride (W)	Asbury Power Plant	AQL	IRR, LWW, SCR, WBC B, HHP	360861	4132403	361580	4127893	11070207	1
2016	3184	Blackberry Cr.	Jasper	C	3.50	6.50	Mi.	Oxygen, Dissolved (W)	Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	360861	4132403	361580	4127893	11070207	1
2008	3184	Blackberry Cr.	Jasper	C	3.50	6.50	Mi.	Total Dissolved Solids (W)	Asbury Power Plant	AQL	IRR, LWW, SCR, WBC B, HHP	360856	4132395	361579	4127903	11070207	1
2006	417	Blue R.	Jackson	P	4.40	4.40	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IND, IRR, LWW, HHP	371184	4329015	373047	4332253	10300101	1
2006	418	Blue R.	Jackson	P	9.40	9.40	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IND, IRR, LWW, HHP	368400	4319633	371184	4329015	10300101	1
2006	419	Blue R.	Jackson	P	7.70	7.70	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC A	AQL, IRR, LWW, SCR, HHP	364588	4312669	368400	4319633	10300101	1
2012	1701	Bonhomme Cr.	St. Louis	C	2.50	2.50	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	709512	4282258	711491	4284301	10300200	1
2012	1701	Bonhomme Cr.	St. Louis	C	2.50	2.50	Mi.	pH (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	709512	4282258	711491	4284301	10300200	1
2006	750	Bonne Femme Cr.	Boone	P	7.80	7.80	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	560346	4298772	553749	4294435	10300102	1
2012	753	Bonne Femme Cr.	Boone	C	7.00	7.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	565633	4303361	560346	4298772	10300102	1
2002	2034	Bourbeuse R.	Phelps/Franklin	P	136.70	136.70	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CLF, DWS, IRR, LWW, SCR, WBC A	684343	4252206	622849	4221417	07140103	1

Missouri Department of Natural Resources
2016 Draft Section 303(d) Listed Waters

Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2014	7003	Bowling Green Lake - Old	Pike	L1	7.00	7.00	Ac.	Chlorophyll-a (W)	Rural NPS	AQL	DWS, IRR, LWW, SCR, WBC B, HHP	658498	4356565	658498	4356565	07110004	1,2
2012	7003	Bowling Green Lake - Old	Pike	L1	7.00	7.00	Ac.	Nitrogen, Total (W)	Rural NPS	AQL	DWS, IRR, LWW, SCR, WBC B, HHP	658497	4356565	658497	4356565	07110004	1,2
2012	7003	Bowling Green Lake - Old	Pike	L1	7.00	7.00	Ac.	Phosphorus, Total (W)	Rural NPS	AQL	DWS, IRR, LWW, SCR, WBC B, HHP	658502	4356562	658502	4356562	07110004	1,2
2012	1796	Brazeau Cr.	Perry	P	10.80	10.80	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	798229	4172491	807335	4172833	07140105	1
2002	1371	Brush Cr.	Polk/St. Clair	P	4.70	4.70	Mi.	Oxygen, Dissolved (W)	Humansville WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	448632	4182404	444769	4187320	10290106	1
2002	1371	Brush Cr.	Polk/St. Clair	P	4.70	4.70	Mi.	Total Suspended Solids - TSS (W)	Humansville WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	448632	4182404	444769	4187320	10290106	1
2014	3986	Brush Creek	Jackson	C	5.40	5.40	Mi.	Benzo-a-pyrene -PAHs (S)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	360870	4321755	368399	4322178	10300101	1
2014	3986	Brush Creek	Jackson	C	5.40	5.40	Mi.	Chrysene, C1-C4 (S)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	360868	4321755	368399	4322178	10300101	1
2016	3986	Brush Creek	Jackson	C	5.40	5.40	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	360866	4321755	368394	4322174	10300101	1
2016	3986	Brush Creek	Jackson	C	5.40	5.40	Mi.	Oxygen, Dissolved (W)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	360866	4321755	368394	4322174	10300101	1
2014	3986	Brush Creek	Jackson	C	5.40	5.40	Mi.	Phenanthrene (S)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	360869	4321755	368399	4322178	10300101	1
2014	3986	Brush Creek	Jackson	C	5.40	5.40	Mi.	Pyrene (S)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	360868	4321755	368399	4322178	10300101	1
2016	7117	Buffalo Bill Lake	DeKalb	L3	45.00	45.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	381664	4408121	381664	4408121	10280101	1
2012	3273	Buffalo Cr.	Newton/McDonald	P	8.00	8.00	Mi.	Fishes Bioassessments/Unknown (W)	Source Unknown	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	369204	4075685	363942	4068061	11070208	1,6
2006	1865	Burgher Br.	Phelps	C	1.50	1.50	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	610212	4200283	611960	4199017	07140102	1
2006	7057	Busch W.A. No. 35 Lake	St. Charles	L3	51.00	51.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	697833	4288214	697833	4288214	07110009	1
2006	3234	Capps Cr.	Barry/Newton	P	5.00	5.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CDF, IRR, LWW, SCR, HHP	408562	4082428	402563	4083044	11070207	1
2016	3241	Carver Br.	Newton	P	3.00	3.00	Mi.	Escherichia coli (W)	Nonpoint Source	WBC A	AQL, IRR, LWW, SCR, HHP	377023	4093362	373377	4092653	11070207	1
2010	2288	Castor R.	Bollinger	P	7.50	7.50	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	760131	4115294	766484	4110895	07140107	1
2008	737	Cedar Cr.	Boone	C	7.90	37.40	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	574525	4320028	573573	4311774	10300102	1,6
2008	1344	Cedar Cr.	Cedar	P	10.90	31.00	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC A, HHP	419908	4170049	422735	4179340	10290106	1,6
2016	1344	Cedar Cr.	Cedar	P	10.90	31.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	427580	4189524	419820	4170283	10290106	1
2010	1344	Cedar Cr.	Cedar	P	10.90	31.00	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC A, HHP	419909	4170046	422734	4179339	10290106	1
2010	1357	Cedar Cr.	Dade/Cedar	C	16.20	16.20	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	412791	4154079	419820	4170283	10290106	1,6
2008	1357	Cedar Cr.	Dade/Cedar	C	16.20	16.20	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	412791	4154079	419820	4170283	10290106	1
2006	3203	Center Cr.	Jasper	P	19.00	26.80	Mi.	Cadmium (S)	Tri-State Mining District	AQL	CLF, IND, IRR, LWW, SCR, WBC A, HHP	377331	4111756	356399	4112875	11070207	1
2006	3203	Center Cr.	Jasper	P	19.00	26.80	Mi.	Cadmium (W)	Tri-State Mining District	AQL	CLF, IND, IRR, LWW, SCR, WBC A, HHP	377331	4111756	356399	4112875	11070207	1
2008	3210	Center Cr.	Newton/Jasper	P	21.00	21.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IND, IRR, LWW, SCR, HHP	404365	4099517	383685	4107350	11070207	1
2010	3214	Center Cr.	Lawrence/Newton	P	4.90	4.90	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CDF, IND, IRR, LWW, SCR, HHP	410298	4100642	404365	4099517	11070207	1
2016	5003	Center Creek tributary	Jasper	C	2.70	2.70	Mi.	Cadmium (W)	Oronogo/Duneqweg Mining Belt	AQL	IRR, LWW, SCR, WBC B, HHP	369452	4117204	369217	4116017	11070207	1
2016	5003	Center Creek tributary	Jasper	C	2.70	2.70	Mi.	Zinc (W)	Oronogo/Duneqweg Mining Belt	AQL	IRR, LWW, SCR, WBC B, HHP	369455	4117204	369223	4116018	11070207	1
2012	3963	Chat Creek tributary	Lawrence	US	0.90	0.90	Mi.	Cadmium (W)	Baldwin Park Mine	GEN		437560	4092547	436382	4092417	11070207	1,7
2012	3963	Chat Creek tributary	Lawrence	US	0.90	0.90	Mi.	Zinc (W)	Baldwin Park Mine	GEN		437560	4092547	436382	4092415	11070207	1,7
2014	7634	Chaumiere Lake	Clay	UL	3.40	3.40	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	GEN		367178	4337088	367178	4337088	10300101	1,7
2012	1781	Cinque Hommes Cr.	Perry	P	6.30	17.10	Mi.	Escherichia coli (W)	Rural NPS	WBC B, SCR	AQL, IRR, LWW, HHP	779346	4178425	786087	4185609	07140105	1
2006	1333	Clear Cr.	Vernon/St. Clair	P	28.20	28.20	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC A, HHP	402340	4186711	417795	4205727	10290105	1
2006	1336	Clear Cr.	Vernon	C	22.30	22.30	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	391921	4172771	402340	4186711	10290105	1
2006	3238	Clear Cr.	Lawrence/Newton	P	11.10	11.10	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	410980	4088931	397639	4088317	11070207	1
2002	3239	Clear Cr.	Barry/Lawrence	C	3.50	3.50	Mi.	Nutrient/Eutrophication Biol. Indicators (W)	Monett WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	415495	4086458	410980	4088931	11070207	1,2
2002	3239	Clear Cr.	Barry/Lawrence	C	3.50	3.50	Mi.	Oxygen, Dissolved (W)	Monett WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	415495	4086458	410980	4088931	11070207	1
2006	935	Clear Fk.	Johnson	P	3.10	25.80	Mi.	Oxygen, Dissolved (W)	Knob Noster WWTP, Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	448495	4291442	446650	4293696	10300104	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2014	7326	Clearwater Lake	Wayne/Reynolds	L2	1635.00	1635.00	Ac.	Chlorophyll-a (W)	Rural NPS	AQL	IRR, LWW, SCR, WBC A, HHP	4112204	697891	4112204	697891	11010007	1,2
2002	7326	Clearwater Lake	Wayne/Reynolds	L2	1635.00	1635.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	4112204	697891	4112204	697891	11010007	1
2016	7326	Clearwater Lake	Wayne/Reynolds	L2	1635.00	1635.00	Ac.	Phosphorus, Total (W)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC A, HHP	4112204	697891	4112204	697891	11010007	1,2
2006	1706	Coldwater Cr.	St. Louis	C	6.90	6.90	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IND, IRR, LWW, SCR, WBC B, HHP	735014	4299849	741449	4301962	10300200	1
2008	1706	Coldwater Cr.	St. Louis	C	6.90	6.90	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IND, IRR, LWW, HHP	735014	4299849	741449	4301962	10300200	1
2012	2177	Coonville Cr.	St. Francois	C	1.30	1.30	Mi.	Lead (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	717474	4206559	716589	4204963	07140104	1
2016	7378	Coot Lake	Jackson	L3	20.00	20.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	383770	4303154	383770	4303154	10290108	1
2016	7379	Cottontail Lake	Jackson	L3	22.00	22.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	385814	4304634	385814	4304634	10290108	1
2006	1943	Courtois Cr.	Washington	P	2.60	32.00	Mi.	Lead (S)	Doe Run Viburnum Division Lead mine	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	669868	4181478	670865	4184583	07140102	1
2006	1943	Courtois Cr.	Washington	P	2.60	32.00	Mi.	Zinc (S)	Doe Run Viburnum Division Lead mine	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	669862	4181470	670877	4184596	07140102	1
2012	2382	Crane Cr.	Stone	P	13.20	13.20	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	CDF, IRR, LWW, SCR, WBC A, HHP	445954	4088238	456895	4081483	11010002	1,6
2016	7334	Crane Lake	Iron	L3	109.00	109.00	Ac.	Chlorophyll-a (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	710853	4143902	710853	4143902	08020202	1,2
2016	7334	Crane Lake	Iron	L3	109.00	109.00	Ac.	Phosphorus, Total (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	710853	4143896	710853	4143896	08020202	1,2
2012	2816	Craven Ditch	Butler	C	11.60	11.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, HHP	730995	4068609	730730	4052473	11010007	1
2006	1703	Creve Coeur Cr.	St. Louis	C	3.80	3.80	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	718172	4283167	718455	4287491	10300200	1
2006	1703	Creve Coeur Cr.	St. Louis	C	3.80	3.80	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	718172	4283167	718455	4287491	10300200	1
2006	1703	Creve Coeur Cr.	St. Louis	C	3.80	3.80	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	718172	4283167	718455	4287491	10300200	1
2006	1928	Crooked Cr.	Crawford	P	3.50	3.50	Mi.	Cadmium (S)	Buick Lead Smelter	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	662216	4173989	658201	4175646	07140102	1
2006	1928	Crooked Cr.	Crawford	P	3.50	3.50	Mi.	Cadmium (W)	Buick Lead Smelter	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	662216	4173989	658201	4175646	07140102	1
2006	1928	Crooked Cr.	Crawford	P	3.50	3.50	Mi.	Lead (S)	Buick Lead Smelter	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	662216	4173989	658201	4175646	07140102	1
2008	3961	Crooked Creek	Iron/Dent	C	6.50	6.50	Mi.	Cadmium (W)	Buick Lead Smelter	GEN	AQL, IRR, LWW, SCR, WBC B, HHP	664596	4168505	662197	4173781	07140102	1,7
2010	3961	Crooked Creek	Iron/Dent	C	6.50	6.50	Mi.	Copper (W)	Buick Lead Smelter	GEN	AQL, IRR, LWW, SCR, WBC B, HHP	664588	4168517	662197	4173782	07140102	1,7
2016	7135	Crowder St. Park Lake	Grundy	L3	18.00	18.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	443780	4438588	443780	4438588	10280102	1
2006	2636	Current R.	Shannon/Ripley	P	124.00	124.00	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CLF, IRR, LWW, SCR, WBC A	628633	4137638	696824	4041492	11010008	1
2006	219	Dardenne Cr.	St. Charles	P1	7.00	7.00	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	708078	4300264	713786	4304316	07110009	1
2006	3826	Deer Cr.	St. Louis/St. Louis City	P	1.60	1.60	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC A, HHP	732023	4276834	733741	4275807	07140101	1
2012	3826	Deer Cr.	St. Louis/St. Louis City	P	1.60	1.60	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC A, SCR	AQL, IRR, LWW, HHP	732023	4276834	733741	4275807	07140101	1
2002	7015	Deer Ridge Community Lake	Lewis	L3	39.00	39.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	599831	4448447	599831	4448447	07110002	1
2006	3109	Ditch #36	Dunklin	P	7.80	7.80	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	770137	4018408	767863	4007224	08020204	1
2006	3810	Douger Br.	Lawrence	C	2.80	2.80	Mi.	Lead (S)	Aurora Lead Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	432983	4092649	428971	4092384	11070207	1
2006	3810	Douger Br.	Lawrence	C	2.80	2.80	Mi.	Zinc (S)	Aurora Lead Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	432983	4092649	428971	4092384	11070207	1
2006	1180	Dousinbury Cr.	Dallas	P	3.90	3.90	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	506028	4158604	501716	4160952	10290110	1
2016	1792	Dry Fk.	Perry	C	3.20	3.20	Mi.	Escherichia coli (W)	Source Unknown	WBC B	AQL, IRR, LWW, SCR, HHP	786085	4185603	786022	4182315	07140105	1
2008	3189	Dry Fk.	Jasper	C	10.20	10.20	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	391617	4123451	379518	4128240	11070207	1
2016	3163	Dry Hollow	Lawrence	C	0.50	0.50	Mi.	Escherichia coli (W)	Source Unknown	SCR	AQL, IRR, LWW, HHP	413360	4110027	413000	4110463	11070207	1
2006	3569	Dutro Carter Cr.	Phelps	P	0.50	1.50	Mi.	Oxygen, Dissolved (W)	Rolla SE WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	611946	4199021	612708	4199006	07140102	1
2016	3570	Dutro Carter Cr.	Phelps	C	0.50	0.50	Mi.	Escherichia coli (W)	Source Unknown	WBC B, SCR	AQL, IRR, LWW, HHP	610611	4198762	610120	4198788	07140102	1
2016	3199	Duval Cr.	Jasper	C	7.00	7.00	Mi.	Escherichia coli (W)	Nonpoint Source	WBC B	AQL, IRR, LWW, SCR, HHP	375229	4135004	368784	4127598	11070207	1
2010	372	E. Fk. Crooked R.	Ray	P	19.90	19.90	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	418043	4367620	423049	4349970	10300101	1
2006	457	E. Fk. Grand R.	Worth/Gentry	P	28.70	28.70	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, DWS, IRR, LWW, SCR, HHP	388817	4483394	384234	4450462	10280101	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2008	608	E. Fk. Locust Cr.	Sullivan	P	16.70	16.70	Mi.	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	WBC B	AQL, IRR, LWW, SCR, HHP	490788	4450893	485177	4432656	10280103	1
2008	610	E. Fk. Locust Cr.	Sullivan	C	15.70	15.70	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	492641	4468112	490788	4450893	10280103	1
2008	610	E. Fk. Locust Cr.	Sullivan	C	14.80	15.70	Mi.	Oxygen, Dissolved (W)	Rural NPS	AQL	IRR, LWW, SCR, WBC A, HHP	492629	4468112	490930	4451859	10280103	1
2006	1282	E. Fk. Tebo Cr.	Henry	C	10.40	14.60	Mi.	Oxygen, Dissolved (W)	Windsor SW WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	453388	4263004	446906	4257222	10290108	1
1998	3964	East Whetstone Cr.	Wright	C	0.30	3.10	Mi.	Ammonia, Total (W)	Mountain Grove Lagoon	AQL	IRR, LWW, SCR, WBC B, HHP	564365	4111477	564856	4111385	10290201	1
2006	2166	Eaton Br.	St. Francois	C	1.20	1.20	Mi.	Cadmium (S)	Leadwood tailings pond	AQL	IRR, LWW, SCR, HHP	710945	4193695	712097	4194409	07140104	1
2006	2166	Eaton Br.	St. Francois	C	1.20	1.20	Mi.	Cadmium (W)	Leadwood tailings pond	AQL	IRR, LWW, SCR, HHP	710945	4193695	712097	4194409	07140104	1
2006	2166	Eaton Br.	St. Francois	C	1.20	1.20	Mi.	Lead (S)	Leadwood tailings pond	AQL	IRR, LWW, SCR, HHP	710945	4193695	712097	4194409	07140104	1
2006	2166	Eaton Br.	St. Francois	C	1.20	1.20	Mi.	Zinc (S)	Leadwood tailings pond	AQL	IRR, LWW, SCR, HHP	710945	4193695	712097	4194409	07140104	1
2006	2166	Eaton Br.	St. Francois	C	1.20	1.20	Mi.	Zinc (W)	Leadwood tailings pond	AQL	IRR, LWW, SCR, HHP	710945	4193695	712097	4194409	07140104	1
2002	2593	Eleven Point R.	Oregon	P	22.70	22.70	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CLF, IRR, LWW, SCR, WBC A	663687	4040687	658823	4067446	11010011	1
2006	2597	Eleven Point R.	Oregon	P	11.40	11.40	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CDF, IRR, LWW, SCR, WBC A	658823	4067446	648216	4073792	11010011	1
2008	2601	Eleven Point R.	Oregon	P	22.30	22.30	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CLF, IRR, LWW, SCR, WBC A	648216	4073792	626147	4076649	11010011	1
1998	189	Elkhorn Cr.	Montgomery	C	17.60	21.40	Mi.	Oxygen, Dissolved (W)	Montgomery City East WWTF	AQL	IRR, LWW, SCR, WBC B, HHP	644641	4327885	631724	4317736	07110008	1
2006	1283	Elm Br.	Henry	C	3.00	3.00	Mi.	Oxygen, Dissolved (W)	Windsor SE WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	455758	4264046	453816	4261489	10290108	1
2012	1704	Fee Fee Cr. (new)	St. Louis	P	1.50	1.50	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	720613	4290506	718639	4290795	10300200	1
2012	1704	Fee Fee Cr. (new)	St. Louis	P	1.50	1.50	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IRR, LWW, HHP	720613	4290506	718639	4290795	10300200	1
2012	7237	Fellows Lake	Greene	L1	800.00	800.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC A	479590	4129879	479590	4129879	10290106	1
2016	3595	Fenton Cr.	St. Louis	P	0.50	0.50	Mi.	Chloride (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	724629	4265304	723865	4265429	07140102	1
2012	3595	Fenton Cr.	St. Louis	P	0.50	0.50	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	723865	4265429	724629	4265304	07140102	1
2012	2186	Fishpot Cr.	St. Louis	P	3.50	3.50	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	715611	4270777	718256	4269401	07140102	1
2008	2186	Fishpot Cr.	St. Louis	P	3.50	3.50	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	715611	4270777	718256	4269401	07140102	1
2016	3220	Fivemile Cr.	Newton	P	4.90	5.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	362116	4091122	355991	4093715	11070207	1
2016	864	Flat Cr.	Pettis/Morgan	P	23.70	23.70	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	504073	4279987	484807	4279832	10300103	1
2006	2168	Flat River Cr.	St. Francois	C	4.70	10.00	Mi.	Cadmium (W)	Old Lead Belt tailings	AQL	IRR, LWW, SCR, WBC B, HHP	717605	4190862	719860	4196746	07140104	1
2016	2168	Flat River Cr.	St. Francois	C	10.00	10.00	Mi.	Lead (T)	Mine Tailings	HHP	AQL, IRR, LWW, SCR, WBC B	719846	4196774	711080	4188129	07140104	1
2010	7151	Forest Lake	Adair	L1	580.00	580.00	Ac.	Chlorophyll-a (W)	Rural NPS	AQL	DWS, IRR, LWW, SCR, WBC A, HHP	529118	4446686	529118	4446686	10280202	1,2
2016	7151	Forest Lake	Adair	L1	580.00	580.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC A	529120	4446689	529120	4446689	10280202	1
2010	7151	Forest Lake	Adair	L1	580.00	580.00	Ac.	Nitrogen, Total (W)	Rural NPS	AQL	DWS, IRR, LWW, SCR, WBC A, HHP	529118	4446688	529118	4446688	10280202	1,2
2010	7151	Forest Lake	Adair	L1	580.00	580.00	Ac.	Phosphorus, Total (W)	Rural NPS	AQL	DWS, IRR, LWW, SCR, WBC A, HHP	529120	4446689	529120	4446689	10280202	1,2
2016	3943	Foster Branch tributary	Boone	C	0.20	2.00	Mi.	Oxygen, Dissolved (W)	Ashland WWTF	AQL	IRR, LWW, SCR, WBC B, HHP	564696	4290774	564814	4290588	10300102	1
2006	747	Fowler Cr.	Boone	C	6.00	6.00	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	567705	4291358	588085	4285215	10300102	1
2012	1842	Fox Cr.	St. Louis	P	7.20	7.20	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	698956	4266805	702113	4258893	07140102	1,6
2008	38	Fox R.	Clark	P	42.00	42.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	591716	4496682	619844	4489932	07110001	1
2014	7008	Fox Valley Lake	Clark	L3	89.00	89.00	Ac.	Chlorophyll-a (W)	Rural NPS	AQL	IRR, LWW, SCR, WBC B, HHP	604601	4483675	604601	4483675	07110001	1,2
2014	7008	Fox Valley Lake	Clark	L3	89.00	89.00	Ac.	Nitrogen, Total (W)	Rural NPS	AQL	IRR, LWW, SCR, WBC B, HHP	604599	4483679	604599	4483679	07110001	1,2
2010	7008	Fox Valley Lake	Clark	L3	89.00	89.00	Ac.	Phosphorus, Total (W)	Rural NPS	AQL	IRR, LWW, SCR, WBC B, HHP	604600	4483686	604600	4483686	07110001	1,2
2010	7382	Foxboro Lake	Franklin	L3	22.00	22.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	644992	4249660	644992	4249660	07140103	1
2002	7280	Frisco Lake	Phelps	L3	5.00	5.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	608326	4201524	608326	4201524	07140102	1
2016	4061	Galley Branch	Pike	C	3.20	3.20	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	653189	4361304	650012	4364278	07110007	1
2012	1004	Gans Cr.	Boone	C	5.50	5.50	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	562859	4305362	558288	4303469	10300102	1
2002	1455	Gasconade R.	Pulaski	P	264.00	264.00	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, CLF, DWS, IRR, LWW, SCR, WBC A	626331	4281931	543608	4120607	10290201	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2006	2184	Grand Glaize Cr.	St. Louis	C	4.00	4.00	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	720447	4272244	721056	4270200	07140102	1
2008	2184	Grand Glaize Cr.	St. Louis	C	4.00	4.00	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	720447	4272244	721056	4270200	07140102	1
2002	2184	Grand Glaize Cr.	St. Louis	C	4.00	4.00	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	721056	4270200	720447	4272244	07140102	1
2006	593	Grand R.	Livingston/Chariton	P	56.00	56.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, DWS, IRR, LWW, SCR, HHP	454151	4399076	490791	4359355	10280103	1
2008	1712	Gravois Cr.	St. Louis/St. Louis City	P	2.30	2.30	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	735408	4269269	737783	4270129	07140101	1
2006	1712	Gravois Cr.	St. Louis/St. Louis City	P	2.30	2.30	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	735408	4269269	737783	4270129	07140101	1
2006	1713	Gravois Cr.	St. Louis	C	6.00	6.00	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	731101	4269870	735408	4269269	07140101	1
2006	1713	Gravois Cr.	St. Louis	C	6.00	6.00	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	731101	4269870	735408	4269269	07140101	1
2016	4051	Gravois Creek tributary	St. Louis	C	1.90	1.90	Mi.	Escherichia coli (W)	Municipal, Urbanized High Density Area, Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	727153	4269299	729316	4270942	07140101	1
2006	1009	Grindstone Cr.	Boone	C	2.50	2.50	Mi.	Escherichia coli (W)	Rural NPS, Urban Runoff/Storm Sewers	WBC A	AQL, IRR, LWW, SCR, HHP	561330	4309115	558769	4308985	10300102	1
2014	7386	Harrison County Lake	Harrison	L1	280.00	280.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC B	407761	4472463	407761	4472463	10280101	1
2010	7157	Hazel Creek Lake	Adair	L1	453.00	453.00	Ac.	Chlorophyll-a (W)	Rural NPS	AQL	DWS, IRR, LWW, SCR, WBC B, HHP	531556	4461098	531556	4461098	10280201	1,2
2006	7157	Hazel Creek Lake	Adair	L1	453.00	453.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC B	531552	4461098	531552	4461098	10280201	1
2016	2196	Headwater Div. Chan.	Cape Girardeau	P	20.30	20.30	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC A	809134	4128554	780746	4123627	07140107	1
2008	848	Heaths Cr.	Pettis/Cooper	P	21.00	21.00	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	481311	4306305	498383	4308084	10300103	1
2014	596	Hickory Br.	Chariton	C	6.80	6.80	Mi.	Oxygen, Dissolved (W)	Rural NPS	AQL	IRR, LWW, SCR, WBC B, HHP	492740	4382070	484609	4381385	10280103	1
2006	3226	Hickory Cr.	Newton	P	4.90	4.90	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	361782	4079307	377855	4083987	11070207	1
2016	1007	Hinkson Cr.	Boone	P	7.60	7.60	Mi.	Escherichia coli (W)	Nonpoint Source	WBC B	AQL, IRR, LWW, SCR, HHP	557308	4308963	550730	4308257	10300102	1
2012	1008	Hinkson Cr.	Boone	C	18.80	18.80	Mi.	Escherichia coli (W)	Nonpoint Source	WBC A	AQL, IRR, LWW, SCR, HHP	567735	4324925	557308	4308963	10300102	1
2016	7193	Holden City Lake	Johnson	L1	290.20	290.20	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC B	410151	4290703	410151	4290703	10300104	1
2012	1011	Hominy Br.	Boone	C	1.00	1.00	Mi.	Escherichia coli (W)	Rural NPS, Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	561244	4310832	560154	4310816	10300102	1
2010	3169	Honey Cr.	Lawrence	P	16.50	16.50	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	441810	4098909	423404	4104004	11070207	1
2010	3170	Honey Cr.	Lawrence	C	2.70	2.70	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	443610	4095816	441810	4098909	11070207	1
2010	1348	Horse Cr.	Vernon/Cedar	P	27.70	27.70	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	405029	4166750	422134	4180183	10290106	1,6
2008	1348	Horse Cr.	Vernon/Cedar	P	27.70	27.70	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	405029	4166750	422134	4180183	10290106	1
2014	3413	Horseshoe Cr.	Lafayette/Jackson	C	5.80	5.80	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	404067	4315232	403598	4321954	10300101	1
2002	7388	Hough Park Lake	Cole	L3	10.00	10.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	571170	4266161	571170	4266161	10300102	1
2012	7029	Hunnewell Lake	Shelby	L3	228.00	228.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	597506	4395783	597506	4395783	07110004	1
2010	420	Indian Cr.	Jackson	C	3.40	3.40	Mi.	Chloride (W)	Road/Bridge Runoff, Non-construction	AQL	IND, IRR, LWW, SCR, WBC A, HHP	364588	4312669	360621	4311182	10300101	1
2002	420	Indian Cr.	Jackson	C	3.40	3.40	Mi.	Escherichia coli (W)	Leawood, KS WWTP, Urban Runoff/Storm Sewers	WBC A	AQL, IND, IRR, LWW, SCR, HHP	360621	4311182	364588	4312669	10300101	1
2012	1946	Indian Cr.	Washington	P	1.90	1.90	Mi.	Lead (S)	Doe Run Viburnum Division Lead mine	AQL	IRR, LWW, SCR, WBC B, HHP	668798	4178896	669872	4181483	07140102	1
2010	1946	Indian Cr.	Washington	P	1.90	1.90	Mi.	Zinc (S)	Doe Run Viburnum Division Lead mine	AQL	IRR, LWW, SCR, WBC B, HHP	668798	4178896	669872	4181483	07140102	1
2006	3256	Indian Cr.	Newton/McDonald	P	9.70	30.80	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CLF, IRR, LWW, SCR, HHP	390072	4072826	381952	4065143	11070208	1
2008	7389	Indian Creek Community Lake	Livingston	L3	185.00	185.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	440537	4416530	440537	4416530	10280101	1
2014	3223	Jacobs Br.	Newton	P	1.60	1.60	Mi.	Cadmium (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	365485	4095641	365862	4097358	11070207	1
2014	3223	Jacobs Br.	Newton	P	1.60	1.60	Mi.	Cadmium (W)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	365485	4095641	365862	4097358	11070207	1
2014	3223	Jacobs Br.	Newton	P	1.60	1.60	Mi.	Lead (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	365485	4095641	365862	4097358	11070207	1
2014	3223	Jacobs Br.	Newton	P	1.60	1.60	Mi.	Zinc (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	365485	4095641	365862	4097358	11070207	1
2012	3223	Jacobs Br.	Newton	P	1.60	1.60	Mi.	Zinc (W)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	365485	4095641	365862	4097358	11070207	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2012	3207	Jenkins Cr.	Jasper	P	2.80	2.80	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	389303	4103152	386194	4105401	11070207	1
2014	3208	Jenkins Cr.	Newton/Jasper	C	4.80	4.80	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	393119	4101129	389303	4103152	11070207	1
2012	3205	Jones Cr.	Newton/Jasper	P	7.50	7.50	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CLF, IRR, LWW, SCR, HHP	388104	4099353	383685	4107350	11070207	1
2016	5006	Joplin Creek	Jasper	C	3.90	3.90	Mi.	Cadmium (W)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	365334	4107354	364802	4108238	11070207	1
2016	5006	Joplin Creek	Jasper	C	3.90	3.90	Mi.	Lead (W)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	365337	4107348	364802	4108238	11070207	1
2014	3374	Jordan Cr.	Greene	P	3.80	3.80	Mi.	Benzo-a-anthracene (S)	Urban NPS	AQL	IRR, LWW, SCR, WBC B, HHP	471023	4115738	472704	4118162	11010002	1
2014	3374	Jordan Cr.	Greene	P	3.80	3.80	Mi.	Benzo-a-pyrene -PAHs (S)	Urban NPS	AQL	IRR, LWW, SCR, WBC B, HHP	471023	4115738	472704	4118162	11010002	1
2014	3374	Jordan Cr.	Greene	P	3.80	3.80	Mi.	Chrysene, C1-C4 (S)	Urban NPS	AQL	IRR, LWW, SCR, WBC B, HHP	471023	4115738	472704	4118162	11010002	1
2014	3374	Jordan Cr.	Greene	P	3.80	3.80	Mi.	Phenanthrene (S)	Urban NPS	AQL	IRR, LWW, SCR, WBC B, HHP	471023	4115738	472704	4118162	11010002	1
2014	3374	Jordan Cr.	Greene	P	3.80	3.80	Mi.	Pyrene (S)	Urban NPS	AQL	IRR, LWW, SCR, WBC B, HHP	471023	4115738	472704	4118162	11010002	1
2012	3592	Keifer Cr.	St. Louis	P	1.20	1.20	Mi.	Chloride (W)	Road/Bridge Runoff, Non-construction	AQL	IRR, LWW, SCR, WBC A, HHP	713475	4270033	714845	4269588	07140102	1
2012	3592	Keifer Cr.	St. Louis	P	1.20	1.20	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	713475	4270033	714845	4269588	07140102	1
2016	7657	Knox Village Lake	Jackson	L3	3.00	3.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	377551	4309113	377551	4309113	10300101	1
2016	2171	Koen Cr.	St. Francois	C	1.00	1.00	Mi.	Lead (S)	Mine Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	719760	4194283	720089	4193029	07140104	1
2014	1529	L. Beaver Cr.	Phelps	C	3.50	3.50	Mi.	Escherichia coli (W)	Municipal Point Source Discharges	WBC A	AQL, IRR, LWW, SCR, HHP	602527	4199503	600308	4195828	10290203	1
2008	1529	L. Beaver Cr.	Phelps	C	3.50	3.50	Mi.	Sedimentation/Siltation (S)	Smith Sand and Gravel	AQL	IRR, LWW, SCR, WBC A, HHP	602527	4199503	600308	4195828	10290203	1
2012	422	L. Blue R.	Jackson	P	35.10	35.10	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	372712	4309259	394916	4340808	10300101	1
2012	1003	L. Bonne Femme Cr.	Boone	P	9.00	9.00	Mi.	Escherichia coli (W)	Source Unknown	WBC B	AQL, IRR, LWW, SCR, HHP	558288	4303469	553242	4296685	10300102	1
2016	744	L. Cedar Cr.	Boone	C	4.60	4.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	572429	4306437	570986	4311261	10300102	1
2006	1863	L. Dry Fk.	Phelps	P	1.00	5.20	Mi.	Oxygen, Dissolved (W)	Rolla SE WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	613267	4199796	614362	4200448	07140102	1
2006	1864	L. Dry Fk.	Phelps	C	0.60	4.70	Mi.	Oxygen, Dissolved (W)	Rolla SE WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	612755	4198995	613258	4199800	07140102	1
2008	1864	L. Dry Fk.	Phelps	C	4.70	4.70	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	613005	4192818	612727	4198982	07140102	1
2006	1325	L. Dry Wood Cr.	Vernon	P	20.50	20.50	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	376904	4174682	376740	4191482	10290104	1
2010	1326	L. Dry Wood Cr.	Barton/Vernon	C	15.60	15.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	379798	4162808	376904	4174682	10290104	1
2010	3279	L. Lost Cr.	Newton	P	5.80	5.80	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	362556	4080613	355717	4078288	11070206	1
2006	623	L. Medicine Cr.	Mercer	P	19.80	39.80	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	463960	4492230	465770	4469240	10280103	1,6
2006	623	L. Medicine Cr.	Mercer/Grundy	P	39.80	39.80	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	464025	4492224	467988	4439145	10280103	1
2004	3652	L. Osage R.	Vernon	C	23.60	23.60	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	358279	4206140	378073	4204995	10290103	1
2014	2854	L. St. Francis R.	Madison	P	24.20	32.40	Mi.	Lead (S)	Catherine Lead Mine, pos. Mine La Motte	AQL	CLF, DWS, IRR, LWW, SCR, WBC A, HHP	735771	4165598	726082	4157728	08020202	1
2016	7023	Labelle Lake #2	Lewis	L1	98.00	98.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC B	593770	4438441	593770	4438441	07110003	1
2016	7659	Lake Boutin	Cape Girardeau	L3	20.00	20.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	810663	4150835	810663	4150835	07140105	1
2002	7469	Lake Buteo	Johnson	L3	7.00	7.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	449404	4289087	449404	4289087	10300104	1
2002	7436	Lake of the Woods	Boone	L3	3.00	3.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	565931	4313648	565931	4313648	10300102	1
2008	7629	Lake of the Woods	Jackson	UL	7.00	7.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	GEN		368315	4317421	368315	4317421	10300101	1,7
2016	7132	Lake Paho	Mercer	L3	273.00	273.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	444295	4472261	444295	4472261	10280102	1
2010	7054	Lake St. Louis	St. Charles	L3	444.00	444.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	694062	4297112	694082	4297112	07110009	1
2014	7055	Lake Ste. Louise	St. Charles	L3	71.00	71.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	691847	4296920	691847	4296920	07110009	1
2016	7035	Lake Tom Sawyer	Monroe	L3	4.00	4.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	603785	4371568	603785	4371568	07110006	1
2010	7212	Lake Winnebago	Cass	L3	272.00	272.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	382311	4297455	382311	4297455	10290108	1
2006	847	Lemine R.	Morgan/Cooper	P	64.00	64.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	504073	4279987	513022	4314616	10300103	1
2006	3105	Lateral #2 Main Ditch	Stoddard	P	11.50	11.50	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	774316	4075750	773639	4058046	08020204	1
2008	3105	Lateral #2 Main Ditch	Stoddard	P	11.50	11.50	Mi.	Temperature, water (W)	Channelization	AQL	IRR, LWW, SCR, WBC B, HHP	774316	4075750	773639	4058046	08020204	1
2012	3137	Lee Rowe Ditch	Mississippi	C	6.00	6.00	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	824366	4076900	824243	4068035	08020201	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2002	7020	Lewistown Lake	Lewis	L1	35.00	35.00	Ac.	Atrazine (W)	Rural NPS	DWS	AQL, IRR, LWW, SCR, WBC B, HHP	600676	4439291	600676	4439291	07110002	1
2012	3575	Line Cr.	Platte	C	7.00	7.00	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	358975	4343373	360133	4335583	10240011	1
2006	606	Locust Cr.	Putnam/Sullivan	P	37.70	91.70	Mi.	Escherichia coli (W)	Rural NPS	WBC B, SCR	AQL, DWS, IRR, LWW, HHP	488061	4492447	485932	4450780	10280103	1
2012	2763	Logan Cr.	Reynolds	P	6.10	36.00	Mi.	Lead (S)	Sweetwater Lead Mine/Mill	AQL	IRR, LWW, SCR, WBC A, HHP	666297	4135268	666165	4127460	11010007	1
2006	696	Long Branch Cr.	Macon	C	1.80	14.80	Mi.	Oxygen, Dissolved (W)	Atlanta WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	543323	4416546	543605	4414156	10280203	1
2002	7097	Longview Lake	Jackson	L2	953.00	953.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	372710	4309263	372710	4309263	10300101	1
2006	3278	Lost Cr.	Newton	P	8.50	6.50	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CLF, IRR, LWW, SCR, HHP	365739	4083856	355717	4078288	11070206	1
2010	123	M. Fk. Salt R.	Macon	C	11.40	25.40	Mi.	Oxygen, Dissolved (W)	Macon WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	550935	4400206	554273	4390082	07110006	1
2006	2814	Main Ditch	Butler	C	13.00	13.00	Mi.	pH (W)	Poplar Bluff WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	732529	4068029	728374	4048617	11010007	1
2006	2814	Main Ditch	Butler	C	13.00	13.00	Mi.	Temperature, water (W)	Channelization	AQL	IRR, LWW, SCR, WBC B, HHP	732529	4068029	728374	4048617	11010007	1
2012	1709	Maline Cr.	St. Louis/St. Louis City	C	0.60	0.60	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	741069	4291198	741513	4290475	07140101	1
2012	3839	Maline Cr.	St. Louis City	C	0.50	0.50	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, HHP	741513	4290475	743767	4287000	07140101	1
2016	3839	Maline Cr.	St. Louis City	C	0.50	0.50	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	SCR	AQL, IRR, LWW, HHP	741513	4290475	742145	4290147	07140101	1
2016	7398	Maple Leaf Lake	Lafayette	L3	127.00	127.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	432403	4315820	432403	4315820	10300104	1
2010	3140	Maple Slough	Mississippi/New Madrid	C	18.20	16.20	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	820609	4090553	816878	4062805	08020201	1
2002	7033	Mark Twain Lake	Ralls	L2	18132.00	18132.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC A	616551	4375852	616551	4375852	07110007	1
2014	3596	Mattese Cr.	St. Louis	P	1.10	1.10	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	733139	4260643	732308	4259650	07140102	1
2014	3596	Mattese Cr.	St. Louis	P	1.10	1.10	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	733139	4260643	732308	4259650	07140102	1
2016	1786	McClanahan Cr.	Perry	C	2.50	2.50	Mi.	Escherichia coli (W)	Source Unknown	WBC B, SCR	AQL, IRR, LWW, HHP	783842	4188859	782791	4187697	07140105	1
2016	214	McCoy Cr.	St. Charles	C	4.50	4.50	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	687440	4304532	682397	4302617	07110008	1
2006	619	Medicine Cr.	Putnam/Grundy	P	43.80	43.80	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	471740	4492250	467988	4439145	10280103	1
2016	2183	Meramec R.	St. Louis	P	22.80	22.80	Mi.	Escherichia coli (W)	Source Unknown	WBC A	AQL, DWS, IND, IRR, LWW, SCR, HHP	718256	4269401	731939	4252470	07140102	1
2008	2183	Meramec R.	St. Louis	P	22.80	22.80	Mi.	Lead (S)	Old Lead belt tailings	AQL	DWS, IND, IRR, LWW, SCR, WBC A, HHP	718256	4269401	732150	4252184	07140102	1
2008	2185	Meramec R.	Jefferson/St. Louis	P	15.70	15.70	Mi.	Lead (S)	Old Lead Belt tailings	AQL	CLF, DWS, IND, IRR, LWW, SCR, WBC A, HHP	707821	4260833	718256	4269401	07140102	1
1994	1299	Miami Cr.	Bates	P	19.60	19.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	372360	4240637	383003	4222753	10290102	1
2012	2744	Middle Fk. Black R.	Reynolds	P	2.50	21.00	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Buick Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	680282	4163592	682142	4161329	11010007	1,6
2006	468	Middle Fk. Grand R.	Worth/Gentry	P	27.50	27.50	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	385572	4488578	381803	4452419	10280101	1
2010	3262	Middle Indian Cr.	Newton	C	3.50	3.50	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC A, HHP	400092	4074869	395454	4074061	11070208	1,6
2010	3263	Middle Indian Cr.	Newton	P	2.20	2.20	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	395454	4074061	392652	4075387	11070208	1,6
2008	3263	Middle Indian Cr.	Newton	P	2.20	2.20	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	395454	4074061	392652	4075387	11070208	1
2016	4066	Mill Creek	Jackson	C	3.40	3.40	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IRR, LWW, HHP	363936	4318005	366400	4322065	10300101	1
2016	4066	Mill Creek	Jackson	C	3.40	3.40	Mi.	Oxygen, Dissolved (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	363935	4318002	366400	4322065	10300101	1
2014	1707	Mississippi R.	St. Louis/Ste. Genevieve	P	44.60	44.60	Mi.	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	WBC B	AQL, DWS, IND, IRR, LWW, SCR, HHP	732150	4252184	769132	4207187	07140101	1
2010	226	Missouri R.	Atchison/Jackson	P	184.50	184.50	Mi.	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	WBC B	AQL, DWS, IND, IRR, LWW, SCR, HHP	265899	4496416	361019	4330707	10240001	1
2012	356	Missouri R.	Jackson/Chariton	P	129.00	129.00	Mi.	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	WBC B, SCR	AQL, DWS, IND, IRR, LWW, HHP	361019	4330707	503487	4351401	10300101	1
2008	1604	Missouri R.	St. Charles/St. Louis	P	33.90	104.50	Mi.	Escherichia coli (W)	Municipal Point Source Discharges, Nonpoint Source	WBC B	AQL, DWS, IND, IRR, LWW, SCR, HHP	714448	4289612	750286	4299158	10300200	1
2014	7031	Monroe City Lake	Ralls	L1	94.00	94.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC A	614620	4384921	614620	4384921	07110007	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2016	7301	Monsanto Lake	St. Francois	L3	18.00	18.00	Ac.	Nitrogen, Total (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC A, HHP	719988	4187888	719988	4187888	07140104	1,2,3
2010	7402	Mozingo Lake	Nodaway	L1	898.00	898.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC B	348761	4467999	348761	4467999	10240013	1
2008	853	Muddy Cr.	Pettis	P	62.20	62.20	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	458149	4281754	495127	4299752	10300103	1,6
2006	674	Mussel Fk.	Sullivan/Macon	C	29.00	29.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B, SCR	AQL, DWS, IRR, LWW, HHP	509539	4450637	513872	4410410	10280202	1
2016	158	N. Fk. Cuivre R.	Pike/Lincoln	P	25.10	25.10	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	673823	4320571	656791	4337025	07110008	1
2008	170	N. Fk. Cuivre R.	Pike	C	10.00	10.00	Mi.	Escherichia coli (W)	Source Unknown	WBC B	AQL, IRR, LWW, SCR, HHP	656791	4337025	651658	4345253	07110008	1
2008	3186	N. Fk. Spring R.	Jasper	P	17.40	17.40	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	379518	4128240	363884	4125753	11070207	1
2006	3188	N. Fk. Spring R.	Barton	C	1.10	55.90	Mi.	Ammonia, Total (W)	Lamar WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	386254	4148800	386721	4148123	11070207	1
2008	3188	N. Fk. Spring R.	Dade/Jasper	C	55.90	55.90	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	408705	4131497	379518	4128240	11070207	1
2006	3188	N. Fk. Spring R.	Dade/Jasper	C	55.90	55.90	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	408705	4131497	379518	4128240	11070207	1
2012	3260	N. Indian Cr.	Newton	P	5.20	5.20	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	395488	4077540	390081	4072821	11070208	1,6
2008	3260	N. Indian Cr.	Newton	P	5.20	5.20	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	395488	4077540	390081	4072821	11070208	1
2006	1170	Niangua R.	Webster/Dallas	P	56.00	56.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CLF, IRR, LWW, SCR, HHP	507117	4144345	512225	4176338	10290110	1
2014	227	Nishnabotna R.	Atchison	P	10.20	10.20	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, DWS, IRR, LWW, SCR, HHP	276742	4495889	271481	4484915	10240004	1
2008	550	No Cr.	Grundy/Livingston	P	28.70	28.70	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	461790	4446877	451131	4415226	10280102	1
2010	550	No Cr.	Grundy/Livingston	P	28.70	28.70	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	461790	4446877	451131	4415226	10280102	1
2014	7316	Noblett Lake	Douglas	L3	26.00	26.00	Ac.	Chlorophyll-a (W)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC A, HHP	579888	4085045	579888	4085045	11010006	1,2
2002	7316	Noblett Lake	Douglas	L3	26.00	26.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	579874	4085060	579874	4085060	11010006	1
2014	7316	Noblett Lake	Douglas	L3	26.00	26.00	Ac.	Phosphorus, Total (W)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC A, HHP	579889	4085046	579889	4085046	11010006	1,2
2010	279	Nodaway R.	Nodaway/Andrew	P	59.30	59.30	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	328881	4493666	331916	4418596	10240010	1
2016	7317	Norfork Lake	Ozark	L2	1000.00	1000.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	566331	4039451	566331	4039451	11010006	1
2010	7109	North Bethany City Reservoir	Harrison	L3	78.00	78.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	412395	4463013	412395	4463013	10280101	1
2014	3811	North Branch Wilsons Cr.	Greene	P	3.80	3.80	Mi.	Zinc (S)	Urban NPS	AQL	IRR, LWW, SCR, WBC B, HHP	468778	4116745	469345	4119828	11010002	1
2016	1794	Omete Cr.	Perry	C	1.20	1.20	Mi.	Escherichia coli (W)	Source Unknown	WBC B, SCR	AQL, IRR, LWW, HHP	791333	4181836	791241	4180095	07140105	1
2016	1293	Osage R.	Vernon/St. Clair	P	50.70	50.70	Mi.	Escherichia coli (W)	Source Unknown	WBC A	AQL, IRR, LWW, SCR, HHP	436430	4210316	390841	4209576	10290105	1
2010	1293	Osage R.	Vernon/St. Clair	P	50.70	50.70	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC A, HHP	436430	4210316	390841	4209576	10290105	1
2016	7441	Palmer Lake	Washington	L3	102.00	102.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	682914	4188125	682914	4188125	07140102	1
2006	1373	Panther Cr.	Polk/St. Clair	C	9.70	9.70	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	453742	4183206	444279	4187593	10290106	1
2014	2373	Pearson Cr.	Greene	P	8.00	8.00	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC A, HHP	482571	4113045	486612	4121328	11010002	1,6
2008	2373	Pearson Cr.	Greene	P	8.00	8.00	Mi.	Escherichia coli (W)	Rural NPS, Urban Runoff/Storm Sewers	WBC A	AQL, IRR, LWW, SCR, HHP	486612	4121328	482571	4113045	11010002	1
2016	99	Peno Cr.	Pike	C	14.40	14.40	Mi.	Oxygen, Dissolved (W)	Northeast Correctional Center WWTP, Source Unknown	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	648754	4377841	649992	4364284	07110007	1
2016	7273	Perry County Community Lake	Perry	L3	89.00	89.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	771936	4179754	771936	4179754	07140105	1
2008	7628	Perry Phillips Lake	Boone	UL	32.00	32.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	GEN		561236	4305581	561236	4305581	10300102	1,7
2012	215	Peruque Cr.	St. Charles	P1	9.60	9.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	700317	4301742	705352	4308025	07110009	1
2002	217	Peruque Cr.	St. Charles	P	4.00	4.00	Mi.	Fishes Bioassessments/Unknown (W)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	686322	4298816	690798	4295430	07110009	5,6
2016	218	Peruque Cr.	Warren/St. Charles	C	10.90	10.90	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	674302	4297979	686322	4296816	07110009	1
2002	218	Peruque Cr.	Warren/St. Charles	C	10.90	10.90	Mi.	Fishes Bioassessments/Unknown (W)	Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	674302	4297979	686322	4296816	07110009	5,6
2010	2815	Pike Cr.	Butler	C	6.00	6.00	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, HHP	727558	4074154	732529	4068029	11010007	1
2010	312	Platte R.	Worth/Platte	P	142.40	142.40	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, DWS, IRR, LWW, SCR, HHP	370620	4492569	341432	4347540	10240012	1
2012	1327	Pleasant Run Cr.	Vernon	C	7.60	7.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	381362	4169529	376904	4174682	10290104	1
2006	3120	Pole Cat Slough	Dunklin	P	12.60	12.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	763796	4013691	755748	3998563	08020204	1
2014	3120	Pole Cat Slough	Dunklin	P	12.60	12.60	Mi.	Temperature, water (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	763796	4013691	755748	3998563	08020204	1

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2014	1440	Pomme de Terre R.	Webster/Polk	P	69.10	69.10	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	506083	4131874	485307	4180755	10290107	1
2006	2038	Red Oak Cr.	Gasconade	C	10.10	10.00	Mi.	Oxygen, Dissolved (W)	Owensville WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	631423	4239850	642015	4246717	07140103	1
2016	7204	Rinquelin Trail Community Lake	Maries	L3	27.00	27.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	574600	4215520	574600	4215520	10290111	1
2006	1710	River des Peres	St. Louis City	P	2.60	2.60	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, HHP	738751	4268514	736562	4271521	07140101	1
2012	1710	River des Peres	St. Louis City	P	2.60	2.60	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	SCR	AQL, IRR, LWW, HHP	738751	4268514	736562	4271521	07140101	1
2010	1710	River des Peres	St. Louis City	P	2.60	2.60	Mi.	Oxygen, Dissolved (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, HHP	738751	4268514	736562	4271521	07140101	1
2006	3972	River des Peres	St. Louis	C	13.60	13.80	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	731228	4283838	734090	4282681	07140101	1
2016	3972	River des Peres	St. Louis	C	13.60	13.60	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IRR, LWW, HHP	731230	4283832	734091	4282681	07140101	1
2006	655	S. Blackbird Cr.	Putnam	C	13.00	13.00	Mi.	Ammonia, Total (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	503682	4475363	518712	4469745	10280201	1
1994	142	S. Fk. Salt R.	Callaway/Audrain	C	20.10	40.10	Mi.	Oxygen, Dissolved (W)	Mexico WWTP, Rural Nonpoint Source	AQL	IRR, LWW, SCR, WBC B, HHP	600364	4322864	596694	4341638	07110006	1
2006	1249	S. Grand R.	Cass/Henry	P	66.80	66.80	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	366728	4281000	429978	4242884	10290108	1
2012	3259	S. Indian Cr.	McDonald/Newton	P	8.70	8.70	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Source Unknown	AQL	CDF, IRR, LWW, SCR, WBC B, HHP	399208	4067538	390081	4072821	11070208	1,6
2008	3259	S. Indian Cr.	McDonald/Newton	P	8.70	8.70	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, CDF, IRR, LWW, SCR, HHP	399208	4067538	390081	4072821	11070208	1
2010	594	Salt Cr.	Chariton	C	14.90	14.90	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	491540	4377934	485852	4365132	10280103	1
2014	893	Salt Fk.	Saline	P	13.30	26.70	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	472648	4336520	486215	4328728	10300104	1
2012	2113	Salt Pine Cr.	Washington	C	1.20	1.20	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Barite tailings pond	AQL	IRR, LWW, SCR, WBC B, HHP	698656	4214467	697844	4216050	07140104	1,6
2008	91	Salt R.	Ralls/Pike	P	29.00	29.00	Mi.	Oxygen, Dissolved (W)	Mark Twain Lake re-regulation dam	AQL	DWS, IRR, LWW, SCR, WBC A, HHP	622770	4380470	654484	4376225	07110007	1
2012	103	Salt R.	Ralls	P1	9.30	9.30	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC A	622770	4380470	616554	4375853	07110007	1
2014	103	Salt R.	Ralls	P1	9.30	9.30	Mi.	Oxygen, Dissolved (W)	Cannon Dam	AQL	DWS, IRR, LWW, SCR, WBC A, HHP	616554	4375853	622770	4380500	07110007	1
2014	2119	Shibboleth Br.	Washington	P	1.00	1.00	Mi.	Lead (S)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	705148	4210760	706311	4210501	07140104	1
2014	2119	Shibboleth Br.	Washington	P	1.00	1.00	Mi.	Zinc (S)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	705148	4210760	706311	4210501	07140104	1
2014	3222	Shoal Cr.	Newton	P	3.80	50.50	Mi.	Zinc (S)	Mill Tailings	AQL	CLF, DWS, IND, IRR, LWW, SCR, WBC A, HHP	360972	4100172	356106	4099741	11070207	1
2014	3754	Slater Br.	Jasper	C	3.70	3.70	Mi.	Escherichia coli (W)	Nonpoint Source	WBC B	AQL, IRR, LWW, SCR, HHP	372935	4129976	369417	4127684	11070207	1
2006	399	Sni-a-bar Cr.	Jackson/Lafayette	P	36.60	36.60	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	398859	4311016	416463	4333103	10300101	1
2012	224	Spencer Cr.	St. Charles	C	1.50	1.50	Mi.	Chloride (W)	Road/Bridge Runoff, Non-construction	AQL	IRR, LWW, SCR, HHP	708205	4298105	709432	4300121	07110009	1
2016	5004	Spring Branch	Jackson	C	6.70	6.70	Mi.	Oxygen, Dissolved (W)	Urban NPS	AQL	IRR, LWW, SCR, WBC B, HHP	378352	4327127	385684	4326109	10300101	1
2016	5007	Spring Branch	St. Louis	C	1.40	3.10	Mi.	Escherichia coli (W)	Source Unknown	WBC B	AQL, IRR, LWW, SCR, HHP	711579	4270614	713449	4270031	07140102	1
2006	3160	Spring R.	Lawrence/Jesper	P	61.70	61.70	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CLF, IND, IRR, LWW, SCR, HHP	420405	4108691	356380	4117694	11070207	1
2010	3164	Spring R.	Lawrence	P	8.80	8.80	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CDF, IND, IRR, LWW, SCR, HHP	425936	4100897	420405	4108691	11070207	1
2010	3165	Spring R.	Lawrence	P	11.90	11.90	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	430983	4088423	425936	4100897	11070207	1
2012	2835	St. Francis R.	St. Francois	P	8.40	93.10	Mi.	Temperature, water (W)	Source Unknown	CLF	AQL, IRR, LWW, SCR, WBC A, HHP	725310	4181290	728440	4173621	08020202	1
2006	3138	St. Johns Ditch	New Madrid	P	15.30	15.30	Mi.	Escherichia coli (W)	Rural NPS, Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	807943	4079163	817828	4057590	08020201	1
2006	3138	St. Johns Ditch	New Madrid	P	15.30	15.30	Mi.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	817828	4057590	807943	4079163	08020201	1
2006	3135	Stevenson Bayou	Mississippi	C	6.40	6.40	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	833337	4094443	831489	4086239	08020201	1
2006	959	Straight Fk.	Morgan	C	6.00	6.00	Mi.	Oxygen, Dissolved (W)	Versailles WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	513048	4255154	514134	4262987	10300102	1
2014	2751	Strother Cr.	Iron/Reynolds	P	6.00	6.00	Mi.	Aquatic Macroinvertebrate Bioassessments/Unknown (W)	Buick Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	672401	4162649	680292	4163603	11010007	1,6
2008	2751	Strother Cr.	Iron/Reynolds	P	6.00	6.00	Mi.	Lead (S)	Buick Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	672401	4162649	680292	4163603	11010007	1
2010	2751	Strother Cr.	Iron/Reynolds	P	6.00	6.00	Mi.	Lead (W)	Buick Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	672401	4162649	680292	4163603	11010007	1
2008	2751	Strother Cr.	Iron/Reynolds	P	6.00	6.00	Mi.	Nickel (S)	Buick Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	672401	4162649	680292	4163603	11010007	1
2006	2751	Strother Cr.	Iron/Reynolds	P	6.00	6.00	Mi.	Zinc (S)	Buick Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	672401	4162649	680292	4163603	11010007	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2010	2751	Strother Cr.	Iron/Reynolds	P	6.00	6.00	Mi.	Zinc (W)	Buick Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	672401	4162649	680292	4163603	11010007	1
2008	3965	Strother Cr.	Reynolds/Iron	US	0.90	0.90	Mi.	Arsenic (S)	Buick Lead Mine/Mill	GEN		671133	4161733	672400	4162646	11010007	1,7
2008	3965	Strother Cr.	Reynolds/Iron	US	0.90	0.90	Mi.	Lead (S)	Buick Lead Mine/Mill	GEN		671133	4161733	672402	4162649	11010007	1,7
2008	3965	Strother Cr.	Reynolds/Iron	US	0.90	0.90	Mi.	Nickel (S)	Buick Lead Mine/Mill	GEN		671139	4161736	672405	4162651	11010007	1,7
2006	3965	Strother Cr.	Reynolds/Iron	US	0.90	0.90	Mi.	Zinc (S)	Buick Lead Mine/Mill	GEN		671143	4161738	672403	4162650	11010007	1,7
2012	3965	Strother Cr.	Reynolds/Iron	US	0.90	0.90	Mi.	Zinc (W)	Buick Lead Mine/Mill	GEN		671137	4161735	672405	4162650	11010007	1,7
2008	686	Sugar Cr.	Randolph	P	6.80	6.80	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	544656	4369584	538213	4368067	10280203	1
2014	7166	Sugar Creek Lake	Randolph	L1	308.00	308.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC B	544674	4369569	544674	4369569	10280203	1
2008	7399	Sunset Lake	Cole	L3	6.00	6.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	569968	4268303	569966	4268303	10300102	1
2002	7313	Table Rock Lake	Taney	L2	24216.00	41747.00	Ac.	Chlorophyll-a (W)	Municipal Point Source Discharges, Nonpoint Source	AQL	IRR, LWW, SCR, WBC A, HHP	472136	4050038	472136	4050038	11010001	1,2
2002	7313	Table Rock Lake	Taney	L2	24216.00	41747.00	Ac.	Nitrogen, Total (W)	Municipal Point Source Discharges, Nonpoint Source	AQL	IRR, LWW, SCR, WBC A, HHP	472138	4050042	472138	4050042	11010001	1,2
2002	7313	Table Rock Lake	Taney	L2	41747.00	41747.00	Ac.	Nutrient/Eutrophication Biol. Indicators (W)	Municipal Point Source Discharges, Nonpoint Source	AQL	IRR, LWW, SCR, WBC A, HHP	472135	4050041	472135	4050041	11010001	1,2
2010	7297	Terre Du Lac Lakes	St. Francois	L3	103.00	371.40	Ac.	Nitrogen, Total (W)	Terre du Lac Subdivision	AQL	IRR, LWW, SCR, WBC A, HHP	708570	4197151	708570	4197151	07140104	1,2,4
2016	7352	Thirtyfour Corner Blue Hole	Mississippi	L3	9.00	9.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC B	841119	4076619	841119	4076619	08010100	1
2008	549	Thompson R.	Harrison	P	5.20	70.60	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, DWS, IRR, LWW, SCR, HHP	432172	4492124	430916	4488383	10280102	1
2012	3243	Thurman Cr.	Newton	P	3.00	3.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	369319	4099003	367458	4097252	11070207	1
2010	2114	Trib. Old Mines Cr.	Washington	C	1.50	1.50	Mi.	Sedimentation/Siltation (S)	Barite tailings pond	GEN	AQL, IRR, LWW, SCR, WBC B, HHP	699696	4215163	698452	4216961	07140104	1,7
2010	133	Trib. to Coon Cr.	Randolph	C	2.00	2.00	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	552198	4364074	554325	4364132	07110006	1
2011	3938	Trib. to Flat R.	St. Francois	US	0.30	0.30	Mi.	Zinc (W)	Elvins Chat Pile	GEN		717153	4191147	717584	4190839	07140104	1,7
2010	1420	Trib. to Goose Cr.	Lawrence	C	3.00	3.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	437166	4110190	440767	4112989	10290106	1
2006	3490	Trib. to L. Muddy Cr.	Pettis	C	1.00	1.00	Mi.	Chloride (W)	Tyson Foods	AQL	IRR, LWW, SCR, WBC B, HHP	473616	4290951	474708	4291640	10300103	1
2006	3360	Trib. to Red Oak Cr.	Gasconade	P	0.50	0.50	Mi.	Oxygen, Dissolved (W)	Owensville WWTP	AQL	IRR, LWW, SCR, WBC B, HHP	635575	4245150	636297	4244762	07140103	1
2006	3361	Trib. to Red Oak Cr.	Gasconade	C	1.90	1.90	Mi.	Oxygen, Dissolved (W)	Owensville WWTP, Source Unknown	AQL	IRR, LWW, SCR, HHP	632983	4245771	635575	4245150	07140103	1
2014	3981	Trib. to Shoal Cr.	Jasper/Newton	US	1.56	1.56	Mi.	Cadmium (W)	Tanyard Hollow Pits	GEN		360497	4102911	360999	4100170	11070207	1,7
2014	3981	Trib. to Shoal Cr.	Jasper/Newton	US	1.56	1.56	Mi.	Zinc (W)	Tanyard Hollow Pits	GEN		360493	4102902	360998	4100170	11070207	1,7
2014	3982	Trib. to Shoal Cr.	Jasper/Newton	US	2.20	2.20	Mi.	Zinc (W)	Maiden Lane Pits	GEN		363556	4103320	363401	4100264	11070207	1,7
2014	3983	Trib. to Turkey Cr.	Jasper	US	2.90	2.90	Mi.	Cadmium (S)	Abandoned Smelter Site	GEN		364260	4105805	364073	4108154	11070207	1,7
2016	3983	Trib. to Turkey Cr.	Jasper	US	2.90	2.90	Mi.	Cadmium (W)	Abandoned Smelter Site	GEN		364620	4106681	364060	4108161	11070207	1,7
2014	3983	Trib. to Turkey Cr.	Jasper	US	2.90	2.90	Mi.	Lead (S)	Abandoned Smelter Site	GEN		364259	4105603	364073	4108154	11070207	1,7
2014	3983	Trib. to Turkey Cr.	Jasper	US	2.90	2.90	Mi.	Zinc (S)	Abandoned Smelter Site	GEN		364261	4105805	364069	4108156	11070207	1,7
2014	3983	Trib. to Turkey Cr.	Jasper	US	2.90	2.90	Mi.	Zinc (W)	Abandoned Smelter Site	GEN		364060	4108161	364262	4105804	11070207	1,7
2016	3984	Trib. to Turkey Cr.	Jasper	US	2.20	2.20	Mi.	Cadmium (W)	Mill Tailings	GEN		362859	4108609	362490	4105692	11070207	1,7
2014	3984	Trib. to Turkey Cr.	Jasper	US	2.20	2.20	Mi.	Zinc (W)	Leadwood Hollow pits	GEN		362856	4108621	362494	4105702	11070207	1,7
2014	3985	Trib. to Turkey Cr.	Jasper	US	1.60	1.60	Mi.	Zinc (W)	Chitwood Hollow pits	GEN		361695	4107018	361609	4109130	11070207	1,7
2006	956	Trib. to Willow Fk.	Moniteau	C	0.50	0.50	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, HHP	520016	4276045	520577	4275439	10300102	1
2006	3589	Trib. to Wolf Cr.	St. Francois	C	1.50	1.50	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	727181	4185394	729121	4184284	08020202	1
2008	74	Troublesome Cr.	Knox	C	6.10	41.30	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	581617	4441608	586195	4437679	07110003	1
2012	74	Troublesome Cr.	Knox/Marion	C	41.30	41.30	Mi.	Sedimentation/Siltation (S)	Habitat Mod. - other than Hydromod.	AQL	IRR, LWW, SCR, WBC B, HHP	581617	4441608	613693	4417997	07110003	1
2016	3174	Truitt Cr.	Lawrence	P	1.50	1.50	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	424213	4108968	423882	4106865	11070207	1
2012	3175	Truitt Cr.	Lawrence	C	6.40	6.40	Mi.	Escherichia coli (W)	Rural NPS	SCR	AQL, IRR, LWW, HHP	424213	4108968	429512	4115867	11070207	1
2012	751	Turkey Cr.	Boone	C	6.30	6.30	Mi.	Escherichia coli (W)	Source Unknown	WBC A	AQL, IRR, LWW, SCR, HHP	565489	4300829	560346	4298772	10300102	1
2006	3216	Turkey Cr.	Jasper	P	7.70	7.70	Mi.	Cadmium (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	366144	4107717	358267	4109959	11070207	1
2006	3216	Turkey Cr.	Jasper	P	7.70	7.70	Mi.	Cadmium (W)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	366144	4107717	356267	4109959	11070207	1
2008	3216	Turkey Cr.	Jasper	P	7.70	7.70	Mi.	Lead (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	366144	4107717	356267	4109959	11070207	1
2006	3216	Turkey Cr.	Jasper	P	7.70	7.70	Mi.	Zinc (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC B, HHP	366144	4107717	356267	4109959	11070207	1

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Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment
2006	3217	Turkey Cr.	Jasper	P	6.10	6.10	Mi.	Cadmium (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC A, HHP	373143	4104208	366144	4107717	11070207	1
2006	3217	Turkey Cr.	Jasper	P	6.10	6.10	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC A	AQL, IRR, LWW, SCR, HHP	373143	4104208	366144	4107717	11070207	1
2006	3217	Turkey Cr.	Jasper	P	6.10	6.10	Mi.	Zinc (S)	Tri-State Mining District	AQL	IRR, LWW, SCR, WBC A, HHP	373143	4104208	366144	4107717	11070207	1
2016	3282	Turkey Cr.	St. Francois	P	2.40	2.40	Mi.	Cadmium (S)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715493	4200128	714636	4203638	07140104	1
2006	3282	Turkey Cr.	St. Francois	P	2.40	2.40	Mi.	Cadmium (W)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715493	4200128	714636	4203638	07140104	1
2016	3282	Turkey Cr.	St. Francois	P	2.40	2.40	Mi.	Copper (S)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715493	4200128	714636	4203638	07140104	1
2016	3282	Turkey Cr.	St. Francois	P	2.40	2.40	Mi.	Lead (S)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715493	4200128	714636	4203638	07140104	1
2006	3282	Turkey Cr.	St. Francois	P	2.40	2.40	Mi.	Lead (W)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715493	4200128	714636	4203638	07140104	1
2016	3282	Turkey Cr.	St. Francois	P	2.40	2.40	Mi.	Nickel (S)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715493	4200128	714636	4203638	07140104	1
2016	3282	Turkey Cr.	St. Francois	P	2.40	2.40	Mi.	Zinc (S)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715493	4200128	714636	4203638	07140104	1
2006	3282	Turkey Cr.	St. Francois	P	1.20	2.40	Mi.	Zinc (W)	Bonne Terre chat pile	AQL	IRR, LWW, SCR, WBC B, HHP	715072	4201827	715495	4200135	07140104	1
2010	1414	Turnback Cr.	Lawrence/Dade	P	19.90	19.90	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CDF, IRR, LWW, SCR, HHP	445684	4108548	432264	4127720	10290106	1
2016	4079	Twomile Creek	St. Louis	C	5.60	5.60	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	721592	4277889	728708	4277778	07140101	1
2016	7099	Unity Village Lake #2	Jackson	L1	26.00	26.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, DWS, IRR, LWW, SCR, WBC B	379080	4313288	379080	4313288	10300101	1
2008	2755	W. Fk. Black R.	Reynolds	P	2.10	32.30	Mi.	Lead (S)	West Fork Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	667310	4151001	669784	4151630	11010007	1
2008	2755	W. Fk. Black R.	Reynolds	P	2.10	32.30	Mi.	Nickel (S)	West Fork Lead Mine/Mill	AQL	CLF, IRR, LWW, SCR, WBC A, HHP	667305	4151008	669785	4151637	11010007	1
2006	1317	W. Fk. Dry Wood Cr.	Vernon	C	8.10	8.10	Mi.	Oxygen, Dissolved (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	357350	4172196	363431	4175252	10290104	1
2016	2374	Ward Br.	Greene	P	3.30	3.30	Mi.	pH (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	470661	4106623	474180	4109303	11010002	1
2006	2579	Warm Fk. Spring R.	Oregon	P	13.80	13.80	Mi.	Fecal Coliform (W)	Source Unknown	WBC A	AQL, IRR, LWW, SCR, HHP	627789	4054485	631878	4040300	11010010	5
2006	1708	Watkins Cr.	St. Louis/St. Louis City	C	1.40	1.40	Mi.	Chloride (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC B, HHP	744084	4294764	745936	4294861	07140101	1
2006	1708	Watkins Cr.	St. Louis/St. Louis City	C	1.40	1.40	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B	AQL, IRR, LWW, SCR, HHP	744084	4294764	745936	4294861	07140101	1
2016	4097	Watkins Creek tributary	St. Louis	C	1.20	1.20	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IRR, LWW, HHP	740625	4297157	741049	4295353	07140101	1
2016	4098	Watkins Creek tributary	St. Louis	C	1.20	1.20	Mi.	Escherichia coli (W)	Urban Runoff/Storm Sewers	WBC B, SCR	AQL, IRR, LWW, HHP	743158	4295677	742995	4294040	07140101	1
2012	7071	Weatherby Lake	Platte	L3	185.00	185.00	Ac.	Chlorophyll-a (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC A, HHP	352913	4343568	352913	4343568	10240011	1,2
2012	7071	Weatherby Lake	Platte	L3	185.00	185.00	Ac.	Mercury in Fish Tissue (T)	Atmospheric Deposition - Toxics	HHP	AQL, IRR, LWW, SCR, WBC A	352894	4343566	352894	4343566	10240011	1
2010	7071	Weatherby Lake	Platte	L3	185.00	185.00	Ac.	Nitrogen, Total (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC A, HHP	352918	4343554	352918	4343554	10240011	1,2
2014	7071	Weatherby Lake	Platte	L3	185.00	185.00	Ac.	Phosphorus, Total (W)	Urban Runoff/Storm Sewers	AQL	IRR, LWW, SCR, WBC A, HHP	352909	4343562	352909	4343562	10240011	1,2
2006	560	Weldon R.	Mercer/Grundy	P	43.40	43.40	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	448318	4492214	444714	4439341	10280102	1
2008	1504	Whetstone Cr.	Wright	P	12.20	12.20	Mi.	Oxygen, Dissolved (W)	Rural NPS	AQL	CLF, IRR, LWW, SCR, WBC B, HHP	556418	4116032	553965	4129663	10290201	1
2010	3182	White Oak Cr.	Lawrence/Jasper	C	18.00	18.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	415932	4124150	396440	4113581	11070207	1
2012	1700	Wildhorse Cr.	St. Louis	C	3.90	3.90	Mi.	Escherichia coli (W)	Rural, Residential Areas	WBC B	AQL, IRR, LWW, SCR, HHP	699002	4276141	699384	4279922	10300200	1
2010	3171	Williams Cr.	Lawrence	P	1.00	1.00	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, CDF, IRR, LWW, SCR, HHP	421759	4107281	420777	4107593	11070207	1
2010	3172	Williams Cr.	Lawrence	P	8.50	8.50	Mi.	Escherichia coli (W)	Rural NPS	WBC A	AQL, IRR, LWW, SCR, HHP	432044	4105526	421759	4107281	11070207	1
2012	3594	Williams Cr.	St. Louis	P	1.00	1.00	Mi.	Escherichia coli (W)	Rural NPS	WBC B, SCR	AQL, IRR, LWW, HHP	716804	4268162	716672	4269382	07140102	1
2010	3280	Willow Br.	Newton	P	2.20	2.20	Mi.	Escherichia coli (W)	Rural NPS	WBC B	AQL, IRR, LWW, SCR, HHP	366154	4086266	364028	4084114	11070206	1
2014	3280	Willow Br.	Newton	P	2.20	2.20	Mi.	Zinc (S)	Mill Tailings	AQL	IRR, LWW, SCR, WBC B, HHP	366154	4086266	364028	4084114	11070206	1
2006	955	Willow Fk.	Moniteau	C	6.80	6.80	Mi.	Oxygen, Dissolved (W)	Tipton WWTP, Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	515565	4276527	522997	4273676	10300102	1
2006	2375	Wilsons Cr.	Greene/Christian	P	11.90	14.00	Mi.	Escherichia coli (W)	Nonpoint Source	WBC B	AQL, IRR, LWW, SCR, HHP	468463	4116799	464368	4102525	11010002	1
2014	2429	Woods Fk.	Christian	C	5.50	5.50	Mi.	Fishes Bioassessments/Unknown (W)	Source Unknown	AQL	IRR, LWW, SCR, WBC B, HHP	480105	4082576	483619	4077550	11010003	1,6

Water quality data summaries for waters on this list can be found on the department's 303(d) Web site at:
http://www.dnr.mo.gov/env/wpp/waterquality/303d.htm

Key to List
Year= Year this water body/pollutant was added to the 303(d) List
WBID= unique water body indentification number

Missouri Department of Natural Resources
2016 Draft Section 303(d) Listed Waters

Year	WBID	Waterbody Name	County Up / Down	Class	Impaired Size	WB Size	Units	Pollutant	Source	IU	OU	UP X	UP Y	DOWN X	DOWN Y	HUC 8	Comment

WB Size: Size of the entire waterbody

Class= water body classification in state water quality standards: P= permanently flowing waters, C= intermittent streams, L1= Drinking water lakes, L2= large multi-purpose lakes, L3= other recreational lakes, US= unclassified stream, UL= unclassified lake

Pollutants = reason the water is impaired. (W) pollutant is in the water, (S) pollutant is in the sediment, (T) pollutant is in fish tissue. If none of these three options are shown, the pollutant is in the water.

Sources = the pollutant source causing the impairment. WWTP= wastewater treatment plant, PP= Power Plant, Unk.= Unknown, Aban. = Abandoned, Atmospheric Dep. = Atmospheric deposition (primarily rainfall), Mult.= Multiple, NPS= Non-point source, Pt.= Point Source, Rereg. Dam= Reregulation Dam - a low dam downstream of a larger hydroelectric dam.

IU = Impaired Beneficial Use(s). Those beneficial uses, assigned to this water in state water quality standards, that are not being met due to water pollution.

OU= Other Beneficial Use(s). Those beneficial uses assigned to this water in state water quality standard, that are not affected by the pollution listed.

Use codes for IU and OU columns are: GEN = General criteria pertaining to protection of aquatic life, AQL= Protection of aquatic life, WBC A and WBC B = Whole Body Contact Recreation (swimming), PDW= Public Drinking Water Supply, LWW = Livestock and Wildlife Watering, SCR= Secondary Contact Recreation (Fishing and Boating), IRR= Irrigation, IND= Industrial Water, HHP= Human Health Protection

Up X = X coordinate of upstream end of impaired water body (in UTM)

Up Y = Y coordinate of upstream end of impaired water body (in UTM)

Down X = X coordinate of downstream end of impaired water body (in UTM)

Down Y = Y coordinate of downstream end of impaired water body (in UTM)

County U/D = County the impaired segment is in. If the impaired segment is is more than one county, the county of the upstream and downstream ends of the impaired segment are given

Comment:

1 2016 Assessment Shows Impairment
2 Nutrient Impairment
3 Monsanto Lake is part of St. Joe State Park Lakes
4 Only Lac Capri is Impaired
5 Lacks good cause for delisting
6 These waters are listed as either *"Aquatic Macroinvertebrate Bioassessment/Unknown"* or *"Fishes Bioassessment/Unknown"* . These waters lack the necessary information to point to a discrete pollutant and also do not show signs of habitat impairment. Since we currently cannot point to a specific pollutant as the cause we are listing the reason as to why the water is believed to be impaired.
7 General Use Pertaining to Aquatic Life

Missouri Department of Natural Resources, Water Protection Program
09/17/15

Missouri Department of Natural Resources
2016 Draft Section 303(d) Delisted Waters

Cycle	WBID	Water Body Name	Pollutant	Media	Delist Date	Delisting Reason	Delisting Comment
2016	444	Big Cr.	Oxygen, Dissolved	W	8/7/2015	WQS attained; recovery reason unknown	Recent data shows no impairment, invert data good.
2016	444	Big Cr.	Ammonia, Total	W	8/7/2015	WQS attained; recovery reason unknown	Recent data shows no impairment, invert data good.
2016	1250	Big Cr.	Escherichia coli	W	7/21/2015	WQS attained; recovery reason unknown	Recent data in 2011,2013, and 2014 shows meeting WQ Standards.
2016	111	Black Cr.	Oxygen, Dissolved	W	5/1/2015	WQS attained; recovery reason unknown	Additional samples in 2013 and 2014 raised Type One Error rate above the 0.1 threshold for impairment.
2016	421	Blue R.	Escherichia coli	W	5/26/2015	WQS attained; recovery reason unknown	Recent data indicates water is now meeting WQS.
2016	1592	Brushy Cr.	Dissolved oxygen saturation	W	7/27/2015	WQS attained; due to restoration action	New plant constructed in 2010, DO now meeting standards.
2016	3203	Center Cr.	Escherichia coli	W	8/5/2015	WQS attained; recovery reason unknown	Additional data indicates WQS is being met
2016	3203	Center Cr.	Lead	S	6/5/2015	WQS attained; new assessment method	Previous data was assessed to include other stream segments and tribs. Reassessment on just the data within this waterbody segment indicates no impairment. Trib data will be assessed separately.
2016	221	Dardenne Cr.	Sedimentation/Siltation	S	8/7/2015	WQS attained; recovery reason unknown	Data shows no impairment.
2016	221	Dardenne Cr.	Aquatic Macroinvertebrate Bioassessments	W	8/7/2015	WQS attained; recovery reason unknown	New invert scores show sustaining community when using now rain and drought influenced scores.
2016	1314	Dry Wood Cr.	Total Dissolved Solids	W	5/11/2015	WQS attained; recovery reason unknown	Cl and SO4 levels have remained less than 1000 mg/L for the last 3 years of data.
2016	593	Grand R.	Escherichia coli	W	7/14/2015	WQS attained; recovery reason unknown	Delisting for Secondary Contact use, still listed for Whole Body Contact.
2016	1189	L. Niangua R.	Oxygen, Dissolved	W	6/19/2015	WQS attained; recovery reason unknown	Addn. data collected in 2013-14. Now meets LMD definition of unimpaired stream.
2016	2229	L. Whitewater Cr.	Aquatic Macroinvertebrate Bioassessments	W	5/20/2015	WQS attained; recovery reason unknown	More recent data indicate that the macroinvertebrate community is not impaired. Five of 8 samples scored 16 or greater on MSC index, as compared to 18 of 25 for the EDU.
2016	3701	Mississippi R.	Escherichia coli	W	8/5/2015	WQS attained; original listing incorrect	Exceedance in 2009 resulted from calculation error. Data from 2012 - 2014 do not exceed standards.
2016	216	Peruque Cr.	Cause Unknown	W	5/27/2015	WQS attained; recovery reason unknown	Two fish kills in 2010, but none reported since.
2016	1755	Pickle Cr.	pH	W	8/4/2015	WQS attained; recovery reason unknown	New data shows water meeting water quality standards.
2016	71	S. Fabius R.	Escherichia coli	W	4/10/2015	WQS attained; recovery reason unknown	New data for 2012-2014 shows standards being attained.
2016	3222	Shoal Cr.	Escherichia coli	W	8/28/2015	WQS attained; recovery reason unknown	Recent data indicates waterbody is meeting criteria
2016	7297	Terre Du Lac Lakes	Chlorophyll-a	W	8/31/2015	WQS attained; recovery reason unknown	Total Chlorophyll data shows lake is now meeting standards.

Missouri Department of Natural Resources
2016 Draft Section 303(d) Delisted Waters

Cycle	WBID	Water Body Name	Pollutant	Media	Delist Date	Delisting Reason	Delisting Comment
2016	3217	Turkey Cr.	Lead	S	8/7/2015	WQS attained; new assessment method	According to the listing methodology, lead in geometric mean of the lead in sediment value does not exceed 150% of the PEC.
2016	3216	Turkey Cr.	Escherichia coli	W	8/7/2015	WQS attained; recovery reason unknown	Following the LMD, the data collected between 2010 and 2014 where within water quality standards.
2016	3280	Willow Br.	Cadmium	S	8/7/2015	WQS attained; original listing incorrect	Sediment measurements recalculated using the geometric mean instead of arithmetic mean
2016	3280	Willow Br.	Lead	S	8/7/2015	WQS attained; original listing incorrect	Sediment measurements recalculated using the geometric mean instead of arithmetic mean
2016	2375	Wilsons Cr.	Phenanthrene	S	6/19/2015	WQS attained; recovery reason unknown	Additional data resulted in geomean less than 150 percent of PEC.
2016	2375	Wilsons Cr.	Pyrene	S	6/19/2015	WQS attained; recovery reason unknown	Additional data resulted in geomean less than 150 percent of PEC.
2016	2375	Wilsons Cr.	Chrysene, C1-C4	S	6/19/2015	WQS attained; recovery reason unknown	Additional data resulted in geomean less than 150 percent of PEC.
2016	2375	Wilsons Cr.	Benzo-a-anthracene	S	6/19/2015	WQS attained; recovery reason unknown	Additional data resulted in geomean less than 150 percent of PEC.
2016	2375	Wilsons Cr.	Benzo-a-pyrene -PAHs	S	6/19/2015	WQS attained; recovery reason unknown	Additional data resulted in geomean less than 150 percent of PEC.

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Date: November 3, 2015

Time: 10:00 am to 3:00 pm

Meeting: Public Availability Session

Subject: Proposed 2016 303(d) List and 2018 Listing Methodology Meeting Notes

Attendees:

Trish Rielly, MoDNR	trish.rielly@dnr.mo.gov
Robert Voss, MoDNR	robert.voss@dnr.mo.gov
Sam McCord, MoDNR	samuel.mccord@dnr.mo.gov
Bill Whipps, MoDNR	bill.whipps@dnr.mo.gov
Jane Davis, MoDNR	jane.davis@dnr.mo.gov
Mike Kruse, MoDNR	michael.kruse@dnr.mo.gov
John Hoke, MoDNR	john.hoke@dnr.mo.gov
John Madras, MoDNR	john.madras@dnr.mo.gov
Lynn Hooper, Boone County	lhooper@boonecountymo.org
Trent Stober, HDR Engineering, Inc.	trent.stober@hdrinc.com
Nick Muenks, Geosyntec Consultants	nmuenks@geosyntec.com
Leslie Holloway, Missouri Farm Bureau	lholloway@mofb.com
Robert Brundage, Newman, Comley, & Ruth	rbrundage@ncrpc.com

The public availability session was set up as an informal public meeting to allow stakeholders the opportunity to provide comments or ask clarifying questions relating to the proposed 2016 303(d) List and the 2018 Listing Methodology Document (LMD).

Discussions occurred about specific streams that were assessed as impaired under the 1:100,000 scale NHD stream network expansion for dissolved oxygen, fish tissue, and E.coli. Many of the questions related to who collected the data, the purpose of the monitoring event, and whether the age and/or limited data set was representative of current water body conditions.

A question was raised, and discussion followed, regarding how a lower reach of Little Cedar Creek in Boone County (Waterbody ID: 0744) was listed as impaired in relation to the sampling point located some distance upstream. It was stated the upper reach of the stream, where the sampling point was located, may not be permanent flowing. Staff indicated that they would revisit the sampling location and data used to support the listing.

Discussions occurred regarding newly listed streams for which no recent (i.e., since the previous listing cycle) data were available, and what caused those streams to be listed during the 2016 listing cycle but not in previous cycles. For the streams of interest, the water quality assessment sheets were reviewed and staff indicated where available water quality data was available during the current listing cycle that was not available during the previous cycle. Staff also explained that list current and previous listings differed because information was either not provided previously or that the data was available after assessment of individual water bodies began.

HDR, Inc. suggested that clarifying statements be added to the proposed 2018 LMD as it related to the assessment of pH as a chronic water quality standard. The change in the assessment procedure relates to proposed clarification to the water quality standards that would describe pH as 4-day chronic criteria. Clarification was also provided by staff regarding how hardness samples are calculated when less than or greater than eight (8) samples are available. Participating stakeholders were asked to provide examples of preferred wording in advance of the biological workgroup meeting scheduled on November 18, 2015 so that the topics could be discussed further at that meeting.

Site-specific nutrient criteria for lakes were discussed. It was suggested that Table M - site specific numeric criteria for lakes, needs to be reviewed to determine if the data used in the development of the criteria was appropriate. Staff indicated that they would review the example given (i.e., Monsanto Lake, Water Body ID: 7301) and report back to stakeholders.

There were discussions relating to the collection and assessment of multiple discrete data points as compared to the use of (continuously recording) sonde data for dissolved oxygen. Some stakeholders questioned whether either method was more representative of instream conditions than the other, and whether sonde data should be summarized and interpreted during the assessment process (e.g. number of excursions below the criteria or average daily minimums) rather than treated identically to the discrete data.

Stakeholders provided suggestions to water quality assessment worksheets to help clarify information presented, such as, duplicate samples and/or corrections to narrative statements.

A stakeholder noted the Middle Fork Black River (water body ID: 2744) was delisted during the 2014 listing cycle, but then was added back to the 2016 303(d) list of impaired waters for the same pollutant pair. If relisted in error, the Middle Fork Black River will be removed from the proposed 2016 303(d) impaired waters list.

Other LMD comments were briefly discussed with regard to the weight-of-evidence approach, and the appropriateness of using methods for assessing small streams against candidate reference streams instead of the wadeable reference streams listed in water quality standards. Additional discussions can be continued at the biological workgroup meeting scheduled on November 18, 2015.

The department was complemented for providing transparency during the listing processes by providing access to the data, reports, and how data is assessed. The department was also commended for the addition of the 5-alt category, as part of the U.S. Environmental Protection Agency 303(d)/TMDL vision, to the listing methodology.

Throughout the meeting and in closing, stakeholders were asked to follow–up in writing with specific questions they would like to have addressed. By doing so, their questions and comments become part of the department's administrative record for these efforts.

The department will hold a second public availability session for the 2016 303(d) List and 2018 LMD on December 1, 2015. The public hearing for these documents is scheduled for January 6, 2016 and the public notice period will close on January 31, 2016.

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Date: December 1, 2015

Time: 10:00 am to 3:00 pm

Meeting: Public Availability Session

Subject: Proposed 2016 303(d) List and 2018 Listing Methodology Meeting Notes

Attendees:

Trish Rielly, MoDNR	trish.rielly@dnr.mo.gov
Robert Voss, MoDNR	robert.voss@dnr.mo.gov
Sam McCord, MoDNR	samuel.mccord@dnr.mo.gov
John Hoke, MoDNR	john.hoke@dnr.mo.gov
David Carani, Geosyntec Consultants	dcarani@geosyntec.com

The public availability session was scheduled as an informal public meeting to allow stakeholders the opportunity to provide comments or ask clarifying questions relating to the proposed 2016 303(d) List and the 2018 Listing Methodology Document (LMD).

The following questions were asked:

- Will a decision be made regarding on how continuous data for pH will be used? How will this data be summarized and interpreted during the assessment process (e.g. number of excursions below the criteria, average daily minimums)? During discussions, the stakeholder stated they would provide an example for the department's consideration of how continuous pH data might be used for assessment purposes.
- Will a decision be made regarding how the department will handle data older than seven years? Staff indicated if available data is greater than seven years and more recent data is not available, the department will include an explanation in future assessment worksheets.
- Are the data quality codes provided on the assessment worksheets or how will these codes be used? Staff indicated the data quality code for each designated use is provided in Appendix B and C of the proposed listing methodology. In addition, an explanation of each data quality code is provided in the Data Quality Consideration section located on page 17. This section provides an overview of the type of monitoring collected under each code.

A public hearing is scheduled for January 6, 2016 for these documents and the public notice period will close on January 31, 2016.