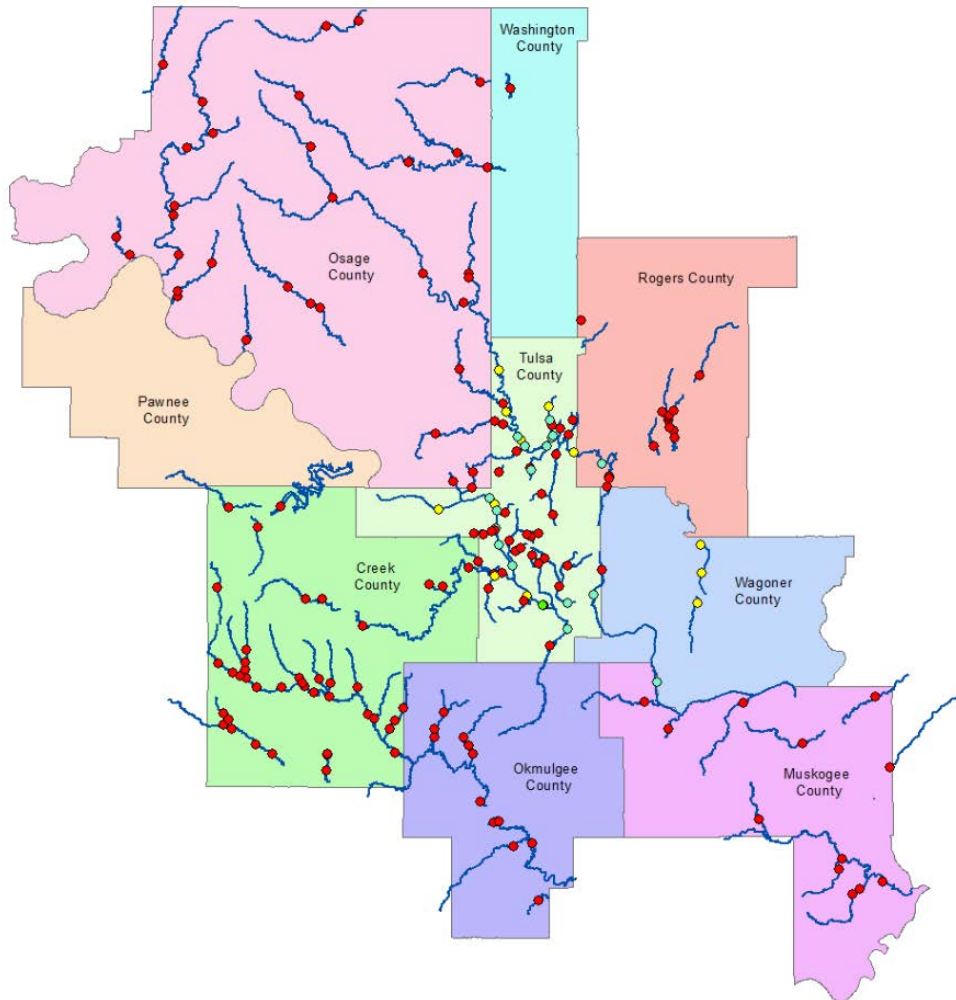


Stream Data Summary Report

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Table of Contents

Section	Page Number
Acronyms and Abbreviations	2
Project Summary	3
Sampling Site and Map Index	6
Data Tables	11 - 437
Maps	438 - 446

Acronyms and Abbreviations

Alk.	Alkalinity
BDL	Below Detection Limit
BMP	Best Management Practice
cfs	Cubic Feet Per Second
cfu/100 ml	Colony Forming Units per 100 milliliters
Cl ⁻	Chloride
Cond.	Conductivity
DO	Dissolved Oxygen
<i>E. Coli</i>	Escherichia coli
EPA	Environmental Protection Agency
F. Coliform	Fecal Coliform
FWS	Fish & Wildlife Service
IR	Integrated Report
mg/L	Milligrams Per Liter
µS/cm	microSiemens Per Centimeter
mmhos/cm	Millimho Per Centimeter
MS4	Municipal Separate Storm Sewer System
NH ₃	Ammonia
NO ₂ ⁻	Nitrite
NO ₃ ⁻	Nitrate
NO ₃ ⁻ /NO ₂ ⁻	Nitrate/Nitrite
NTU	Nephelometric Turbidity Units
OCC	Oklahoma Conservation Commission
ODEQ	Oklahoma Department of Environmental Quality
ODWC	Oklahoma Department of Wildlife Conservation
OKWBID	Oklahoma Water Body Identification Number
OPDES	Oklahoma Pollutant Discharge Elimination System
O. Phos.	Ortho Phosphorus
ORP	Oxidation Reduction Potential
OWRB	Oklahoma Water Resources Board
PB	Pool Bottom
PT	Pool Top
QA/QC	Quality Control/Quality Assurance
R	Run
RI	Riffle
Sat.	Saturation
SO ₄ ²⁻	Sulfate
T. Hardness	Total Hardness
T. Phos.	Total Phosphorus
TDS	Total Dissolved Solids
TKN	Total Kjeldahl Nitrogen
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
Turb.	Turbidity
USGS	United States Geological Survey
WBID	Waterbody Identification Number

Project Summary

Data collection on water bodies began in earnest when the 1972 amended Federal Water Pollution Control Act (Clean Water Act) provided a funding mechanism for regional and state agencies to collect samples and assess water quality conditions. This data was, and continues to be, used to determine impairments, baseline conditions and assess the effectiveness of best management practices (BMPs) implemented to reduce and eliminate pollutant sources.

Data is still available from the 1970s, 1980s and 1990s, but keep in mind analytical methodologies, procedures, instrumentation and our analytical knowledge has improved significantly over the years. Therefore, use discretion and caution when comparing data collected from years ago to what is being generated now. Methods and detection limits have improved considerably, and today's chemists can accomplish things that were only dreams 15 or 20 years ago. Detection limits have gone down enough to allow lab personnel to quantify elements and compounds at levels that couldn't even be detected not that long ago. The absence of a pollutant (below detection limit or BDL) in the past and recent confirmation of that same pollutant, at that same location today, does not necessarily mean it was not present in the past. Maybe it has been there all along and scientific advances have only recently allowed us to detect or quantify it.

While there have been a significant number of sampling events in Oklahoma over the years, most have been of short duration with a limited scope of parameters intended to meet a narrow set of goals. The Oklahoma Conservation Commission (OCC) focuses on non-point source pollutants, wetlands and wadable streams. Their sampling activities span the state and they have one of the best overall data sets available. The Oklahoma Water Resources Board (OWRB) focuses on non-wadable streams, lakes and reservoirs and they also have a considerable amount of data in their data bases as well. The Oklahoma Department of Environmental Quality (ODEQ) does collect some data, but primarily relies on data collected by OCC and OWRB.

Most of the data in this report is from these two agencies. These two agencies have collected almost all the data used to determine the impairment status of Oklahoma waters and both agencies follow rigorous quality assurance and quality control (QA/QC) programs. In many cases, the data reported in the following tables is not the complete data set from the reporting agencies. At some sites additional data has been gathered and is in the complete data set provided by the agencies, but not shown here. The complete data set can be acquired from the collecting agency or INCOG can supply what they have received.

If an in-depth study of a stream or river reach is needed, there are other sources of data that can be consulted. The United States Geological Survey (USGS) has a large amount of data from studies and the numerous in-stream monitors they manage. The United States Army Corps of Engineers has conducted many studies and has lots of data and reports available. Universities and colleges often have data. Municipalities also collect data to meet Oklahoma Pollutant Discharge Elimination System (OPDES) permit requirements and may collect data on other water bodies within their jurisdiction. The Fish & Wildlife Service (FWS) and Oklahoma Department of Wildlife Conservation (ODWC) also have water quality data pertaining to specific aquatic studies. Finally, the Environmental Protection Agency (EPA) has lots of data. Surf Your Watershed was used by many for years but has been decommissioned. How's My Waterway?, Envirofacts, and Environmental Dataset Gateway are a few of their current data sites. There is a lag time for posting on EPA sites. By the time the data is collected, reviewed, approved and then submitted and posted by EPA the data can be years old, but these sites are still good references. More current data will be available from the collecting agencies.

Keep in mind the agency data sets can be very large. INCOG requested data for a nine-county area. The OCC spreadsheet contained 19 columns and 47,619 rows. The OWRB spreadsheet contained 192 columns and 113,860 rows. Not all the columns, rows and cells contained data. Most of the time spent compiling this report was dedicated to sorting the spreadsheets and organizing the data in an easy to use format. The intent of this report and project is to summarize the most common parameters in a format that is easy to work with and analyze. All the data tables in this Word document are available in Excel Spreadsheets. Until the State of Oklahoma and the reporting agencies all agree on a standard reporting format and begin using a unified database, the data compiled in these Excel spreadsheets will be the most convenient database for this region. There is (and has been) an ongoing effort to create a statewide data base, but the logistics are difficult and to date it has not become a reality.

Some additional data on the agency spreadsheets not reported here includes legal description, QA/QC comments, method of sample collection, analytical methods, wind direction, air temperature, cloud cover, settleable solids, etc. There is also analytical data for lakes, fish and macroinvertebrates, but this data report only concerns water column data for creeks, streams and rivers.

By organizing the data according to Oklahoma ID numbers, sample site, date, time and parameter in Excel the data can easily be displayed in graphs and charts. This makes it quick and easy to detect trends (trendline analysis) and determine averages, geometric means, high and low values, ranges and what might be considered “normal” or “normal variation” for any given parameter at a specific site. The data can also be graphed to determine if the parameter of interest is increasing, remaining constant or decreasing over time. On the agency spreadsheets the data for a given parameter is in cells scattered over the whole spreadsheet and not organized in a way that makes data manipulation convenient.

With the anticipated activation of a number of Total Maximum Daily Loads (TMDLs) for MS4 permittees in the fall/winter of 2020 this data will be even more meaningful. Municipalities will first need to determine what data is available and how old the data is. If an adequate and robust data set is available, program managers can determine baseline conditions, select the most appropriate BMPs, the most suitable locations for these BMPs and then develop a monitoring program to determine effectiveness. If the necessary data is not available, they can identify data gaps and begin collecting the data they will need to determine baseline conditions so BMP effectiveness can later be determined. The success of the program will depend upon having scientifically sound data.

The economic and community development of Tulsa’s Arkansas River Corridor has received significant funding from recent bond issues as well as commitments from other public and private sources. A Gathering Place for Tulsa is now complete and on the banks of the Arkansas River. It is an aesthetic blending of urban, cultural, educational and environmental resources for all of Oklahoma and surrounding states to enjoy. In addition, the existing Zink Low Water Dam is being upgraded, plans for one or two additional low water dams are being pursued and environmental enhancements along the Arkansas River channel are being considered.

With the added interest in surface water recreational activities and the proposed developments along the Arkansas River more citizens are asking questions about water quality. The data in this report is compiled in a manner that the general public, citizen scientists, water quality professional and water managers can understand and use. It is much easier to understand and work with in this format than the large agency spreadsheets and other databases. This printed report is a good reference, but for data analysis the Excel spreadsheets are more functional.

INCOG views these data tables as a living data base that will be expanded as more data is collected and released by the reporting agencies and priorities shift. At this time these data tables likely contain all of the data the State of Oklahoma used to determine the impairments that will need to be addressed in the upcoming round of TMDL activations.

The Sampling Site Index makes it easy to find data for a specific river reach and sampling sites. It lists the Oklahoma Water Body ID #, the water body name, report page, agency that collected the data, sampling site identification used in this report and the map number page. The maps can be found following the data tables.

Since different agencies often assign their own water body identification numbers to rivers and river reaches, this document primarily uses the water body identification number assigned to the water body by the State of Oklahoma and published in the Integrated Report. Use of colloquial names can cause confusion so for formal work use the Integrated Report’s Water Body Identification Number. There can be numerous Dog Creeks, Cat Creeks, Deer Creeks, Salt Creeks, etc. across the state so the name alone may not be a good identifier.

A double line separates data tables for river reaches with different Oklahoma Water Body Identification (OKWBID) numbers. Often there are multiple sampling sites along the same reach and the data for each sampling site is listed in a separate table. The beginning of a table has the header information. This includes the OKWBID, agency identification number, name of the waterbody, county the sampling site is in, the latitude and longitude for the sampling site and report sampling site identification ID matching the map location (immediately following the coordinates). A solid green header indicates a continuation from the table above. Blank columns in a table indicate no data for that parameter.

Dissolved oxygen (DO) values can vary depending upon the time of day, temperature, how fast the water is moving, distance from the water surface and the amount of agitation. Some of the DO data notes whether the reading was taken in a run (R), riffle (RI), pool top (PT) or pool bottom (PB). Where chlorophyll a data is reported, it has been corrected for pheophytin.

Sampling Site and Map Index

Oklahoma Water Body ID	Water Body Name	Report Page	Sampling Agency	Sample Site IDs Assigned for this Project	Map Number
OK120400010120_00	Greenleaf Creek	11	Oklahoma Conservation Commission	GRE-1	Map 9
OK120400010280_00	Manard Bayou	14	Oklahoma Conservation Commission	MAN-1	Map 9
OK120400010400_00	Coody Creek	16	Oklahoma Conservation Commission	COO-1	Map 9
OK120400020010_00	Dirty Creek	20	Oklahoma Conservation Commission	DIR-1, DIR-2	Map 9
OK120400020030_00	South Fork of Dirty Creek	24	Oklahoma Conservation Commission	SFD-1, SFD-2	Map 9
OK120400020110_00	George's Fork of Dirty Creek	31	Oklahoma Conservation Commission	GFD-1	Map 9
OK120400020160_00	Butler Creek	36	Oklahoma Conservation Commission	BUT-1	Map 9
OK120410010030_00	Pecan Creek	40	Oklahoma Conservation Commission	PEC-1	Map 9
OK120410010080_00	Arkansas River	42	INCOG	ARK-1, ARK-11	Map 6, Map 9
OK120410010100_00	Cloud Creek	43	Oklahoma Conservation Commission	CLO-1	Map 9
OK120410010110_00	Ash Creek	48	Oklahoma Conservation Commission	ASH-1	Map 9
OK120410010200_00	Broken Arrow Creek	50	Oklahoma Conservation Commission & INCOG	BAC-1, BAC-2	Map 5, Map 6
OK120410010210_00	Haikey Creek	51	Oklahoma Conservation Commission & INCOG	HAI-1, HAI-2	Map 5
OK120410010220_00	Snake Creek	57	Oklahoma Conservation Commission & INCOG	SNA-1, SNA-2	Map 5
OK120410010230_00	Haikey Tributary	64	Oklahoma Conservation Commission	HAT-1	Map 5
OK120410010240_00	Haikey Creek	64	Oklahoma Conservation Commission	HAI-3	Map 5
OK120420010010_00	Arkansas River	65	Oklahoma Water Resources Board & INCOG	ARK-2, ARK-3, ARK-4, ARK-5, ARK-7	Map 4, Map 5
OK120420010010_10	Arkansas River	93	Oklahoma Water Resources Board & INCOG	ARK-6, ARK-8, ARK-9, ARK-10	Map 4
OK120420010020_00	Twin Hills Creek	102	Oklahoma Conservation Commission	THC-1	Map 5
OK120420010025_00	Twin Hills Creek Tributary	103	Oklahoma Conservation Commission	THC-2	Map 5
OK120420010030_00	Posey Creek	103	Oklahoma Conservation Commission	POS-1	Map 5
OK120420010050_00	Joe Creek	105	Oklahoma Conservation Commission	JOE-1	Map 4
OK120420010060_00	Fred Creek	105	Oklahoma Conservation Commission	FRE-1, FRE-2	Map 4
OK120420010070_00	Mooser Creek	109	Oklahoma Conservation Commission	MOO-1, MOO-2, MOO-3, MOO-4	Map 4

OK120420010090_00	Crow Creek	115	Oklahoma Conservation Commission	CRO-1	Map 4
OK120420010130_00	Arkansas River	11	Oklahoma Water Resources Board & INCOG	ARK-11	Map 4
OK120420010140_00	Bigheart Creek-Blackboy Creek	143	Oklahoma Conservation Commission	BIG-1	Map 1
OK120420010170_00	Harlow Creek	144	Oklahoma Conservation Commission	HAR-1, HAR-2	Map 1
OK120420010330_00	Little Joe Creek Tributary	145	Oklahoma Conservation Commission	LJC-1	Map 4
OK120420010340_00	Little Joe Creek Tributary	146	Oklahoma Conservation Commission	LJT-1, LJT-2	Map 4
OK120420020010_00	Polecat Creek	147	Oklahoma Conservation Commission & INCOG	POL-1, POL-2	Map 5
OK120420020030_00	Coal Creek	152	Oklahoma Water Resources Board	COA-1	Map 5
OK120420020030_10	Coal Creek	154	Oklahoma Conservation Commission	COA-2	Map 5
OK120420020040_00	Nickel Creek	155	Oklahoma Conservation Commission	NIC-1	Map 5
OK120420020050_00	Polecat Creek	158	Oklahoma Conservation Commission	POL-4	Map 7
OK120420020050_10	Polecat Creek	165	Oklahoma Conservation Commission	POL-3	Map 7
OK120420020060_00	Rock Creek	166	Oklahoma Conservation Commission	ROC-1	Map 7
OK120420020065_00	Unnamed Trib to Rock Creek	167	Oklahoma Conservation Commission	UTR-1	Map 7
OK120420020290_00	Polecat Creek	167	Oklahoma Conservation Commission	POL-5, POL-6	Map 7
OK121300010010_00	Bird Creek	168	Oklahoma Water Resources Board & INCOG	BIR-1, BIR-2, BIR-4, BIR-5, BIR-6, BIR-7	Map 2, Map 3
OK121300010020_00	Elm Creek	205	Oklahoma Conservation Commission	ELM-1	Map 3
OK121300010030_00	Mingo Creek	206	Oklahoma Conservation Commission	MIN-1, MIN-2	Map 3, Map 4
OK121300010050_00	Mill Creek	208	Oklahoma Conservation Commission	MIL-1	Map 4
OK121300010055_00	Owasso Creek	209	Oklahoma Conservation Commission	OWA-1	Map 3
OK121300010060_00	Ranch Creek	210	Oklahoma Conservation Commission, Oklahoma Water Resources Board & INCOG	RAN-1, RAN-2, RAN-3, RAN-4	Map 3
OK121300010090_00	Coal Creek	215	Oklahoma Conservation Commission & INCOG	COA-1, COA-2, COA-3	Map 3
OK121300010120_00	Flat Rock Creek	218	Oklahoma Conservation Commission	FLA-1	Map 3
OK121300010150_00	Delaware Creek	220	Oklahoma Conservation Commission	DEL-1, DEL-2, DEL-3	Map 1, Map 3
OK121300010180_00	Dirty Butter Creek	230	Oklahoma Conservation Commission	DBC-1	Map 3
OK121300010220_00	Elm Creek	230	Oklahoma Conservation Commission	ELM-2	Map 3
OK121300020010_00	Bird Creek	231	Oklahoma Water Resources Board	BIR-3	Map 3

OK121300020010_10	Bird Creek	234	Oklahoma Water Resources Board & Oklahoma Conservation Commission	BIR-8, BIR-9	Map 1, Map 3
OK121300020080_00	Candy Creek	243	Oklahoma Conservation Commission	CAN-1, Can-2	Map 1
OK121300030010_00	Bird Creek	246	Oklahoma Conservation Commission	BIR-10	Map 1
OK121300030200_00	Clear Creek	248	Oklahoma Conservation Commission	CLE-1	Map 1
OK121300030320_00	North Bird Creek	250	Oklahoma Conservation Commission	NBI-11	Map 1
OK121300040010_00	Hominy Creek	252	Oklahoma Conservation Commission	HOM-1	Map 3
OK121300040030_00	Quapaw Creek	256	Oklahoma Conservation Commission	QUA-1	Map 1
OK121300040280_00	Hominy Creek	257	Oklahoma Conservation Commission	HOM-2, HOM-3, HOM-4	Map 1
OK121400010090_00	Rabb Creek	268	Oklahoma Conservation Commission	RAB-1	Map 2
OK121400020140_00	Little Caney River	270	Oklahoma Conservation Commission	LCR-1	Map 1
OK121400020190_00	Mission Creek	274	Oklahoma Conservation Commission	MIS-1	Map 1
OK121400030170_00	Buck Creek & North Buck Creek	279	Oklahoma Conservation Commission	BUC-1, NBU-2	Map 1
OK121400040010_00	Sand Creek	287	Oklahoma Conservation Commission	SAN-1, SAN-2, SAN-3	Map 1
OK121400040050_00	Buck Creek	297	Oklahoma Conservation Commission	BUK-1	Map 1
OK121500010010_00	Verdigris River	299	Oklahoma Water Resources Board	VER-3	Map 6
OK121500010200_00	Verdigris River	300	Oklahoma Water Resources Board	VER-4	Map 6
OK121500010250_00	Gar Creek	321	Oklahoma Water Resources Board	GAR-1	Map 6
OK121500020010_00	Verdigris River	322	Oklahoma Water Resources Board	VER-1	Map 6
OK121500020120_00	Verdigris River	324	Oklahoma Water Resources Board	VER-2	Map 6
OK121500020360_00	Dog Creek	325	Oklahoma Conservation Commission	DOG-1, DOG-2, DOG-3, DOG-4, DOG-5	Map 2
OK121500020390_00	Cat Creek	336	Oklahoma Conservation Commission	CAT-1, CAT-2	Map 2
OK121500020400_00	Chambers Creek	341	Oklahoma Conservation Commission	CHA-1	Map 2
OK121500020480_00	Spunky Creek	342	Oklahoma Conservation Commission	SPU-1, SPU-2, SPU-3	Map 2
OK121500040010_00	Dog Creek	344	Oklahoma Conservation Commission	DOG-6, DOG-7	Map 2
OK520700010120_00	Deep Fork River	347	Oklahoma Conservation Commission	DEE-1, DEE-2, DEE-3	Map 8
OK520700010170_00	Wolf Creek	349	Oklahoma Conservation Commission	WOL-1	Map 8
OK520700010220_00	Montezumah Creek	349	Oklahoma Conservation Commission	MON-1	Map 8

OK520700020010_10	Deep Fork River	351	Oklahoma Conservation Commission	DEE-4	Map 8
OK520700020080_00	Adams Creek	352	Oklahoma Conservation Commission	ADA-1, ADA-2, ADA-3	Map 8
OK520700020150_00	Salt Creek	353	Oklahoma Conservation Commission	SAL-1, SAL-2	Map 8
OK520700020155_00	Begger Creek	354	Oklahoma Conservation Commission	BEG-1	Map 8
OK520700030040_00	Sandy Creek	355	Oklahoma Conservation Commission	SAD-1, SAD-2, SAD-3	Map 7
OK520700030100_00	Salt Creek	358	Oklahoma Conservation Commission	SAT-1, SAT-2, SAT-3, SAT-4	Map 7
OK520700030220_00	Camp Creek	365	Oklahoma Conservation Commission	CAM-1, CAM-2	Map 7
OK520700060010_00	Little Deep Fork	369	Oklahoma Conservation Commission	LDF-2, LDF-3	Map 7
OK520700060050_00	Browns Creek	373	Oklahoma Conservation Commission	BRO-1, BRO-2, BRO-3	Map 7
OK520700060060_00	Turkey Creek	374	Oklahoma Conservation Commission	TUR-1	Map 7
OK520700060080_00	Skull Creek	375	Oklahoma Conservation Commission	SKU-1	Map 7
OK520700060100_00	Little Deep Fork	375	Oklahoma Conservation Commission	LDF-4	Map 7
OK520700060110_00	Sand Creek	376	Oklahoma Conservation Commission	SAA-1	Map 7
OK520700060120_00	Rock Creek	377	Oklahoma Conservation Commission	ROC-2	Map 7
OK520700060130_00	Little Deep Fork	377	Oklahoma Conservation Commission	LDF-5	Map 7
OK520700060130_10	Little Deep Fork	378	Oklahoma Conservation Commission	LDF-6, LDF-7, LDF-8, LDF-9, LDF-10, LDF-11, LDF-12	Map 7
OK520700060140_00	Catfish Creek	385	Oklahoma Conservation Commission	CAF-1, CAF-2	Map 7
OK520700060190_00	Spring Creek	387	Oklahoma Conservation Commission	SPG-1	Map 7
OK520700060200_00	Spring Creek, East	387	Oklahoma Conservation Commission	ESC-1	Map 7
OK520700060210_00	West Spring Creek	388	Oklahoma Conservation Commission	WSC-1	Map 7
OK620900010180_00	Lagoon Creek	388	Oklahoma Conservation Commission	LAG-1	Map 7
OK620900010220_00	Buckeye Creek	397	Oklahoma Conservation Commission	BUE-1	Map 7
OK620900010250_00	Tiger Creek	400	Oklahoma Conservation Commission	TIG-1	Map 7
OK621200010400_00	Gray Horse Creek	401	Oklahoma Conservation Commission	GHC-1, GHC-2, GHC-3	Map 1
OK621200020020_00	Doga Creek	409	Oklahoma Conservation Commission	DOA-1, DOA-2	Map 1
OK621200010320_00	Bug Creek	418	Oklahoma Conservation Commission	BUG-1	Map 1
OK621200040010_00	Salt Creek	419	Oklahoma Conservation Commission	SAC-1, SAC-2	Map 1
OK621200040010_10	Salt Creek	425	Oklahoma Conservation Commission	SAC-3, SAC-4	Map 1

OK621200040070_00	Little Chief Creek	429	Oklahoma Conservation Commission	LCC-1	Map 1
OK621200040190_00	Potato Creek	431	Oklahoma Conservation Commission	POT-1	Map 1
OK621210000050_10	Beaver Creek	431	Oklahoma Conservation Commission	BEA-1	Map 1

Data Tables

IR WBID OK120400010120_00				OCC WBID OK120400-01-0120C				Greenleaf Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee						
Sampling Location: Latitude 35.671273 Longitude -95.131603 (GRE-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	31	2:30 PM	79.398	17.2	6.63	11.85 R				<10	96	5.16	139.8
2015	2	25	2:45 PM	39.405	5.6	6.54	13.15 R				<10	140	2.54	225.2
2015	1	20	3:00 PM	27.222	7.2	7.43	13.74 R				<10	110	2.83	197.3
2014	11	4	1:45 PM		13.7	7.91	9.18 R				<10	130	5.35	224.6
2014	10	7	2:45 PM	0.1	28.7	8.19	6.2 R				<10	110	2.76	193.8
2014	9	3	3:00 PM	0.1	34.7	8.47	5.9 R		390		<10	120	5.49	203.5
2014	8	5	11:15 AM						<10				7.68	
2014	7	29	3:30 PM	0.272	32.5	8.17	11.65 R		<10		<10	120	8.52	214.4
2014	7	8	1:00 PM	41.969	10.1	7.49	10.89 R				<10	140	258	217.6
2014	6	24	1:15 PM		26.4	7.6	10.35 R		10		<10	110	7.86	195.7
2014	5	20	3:15 PM	18.767	24.3	8.17	9.9 R		<10		<10	110	4.45	180.9
2014	4	15	3:45 PM	77.448	14.5	8.93	14.86 R				<10	94	5.42	152.5
2014	3	11	2:15 AM	71.889	12.9		14.25 R				<10	100	5.61	151.8
2014	2	10	3:00 PM	12.319	3.3	8.15	14.75 R				<10	98	1.76	186.1
2013	11	12	12:00 PM	2.313	12.5	8.26	9.82 R				<10	220	2.6	361.3
2013	10	7	1:20 PM	0	20.8	8.66	9.23 PT				<10	110	6.25	177.5
2013	9	3	1:15 PM	0.007	34.2	8.62	8.34 R		10		<10	114	3.89	162.2
2013	8	13	9:45 AM						80					

2013	7	29	12:45 PM	0.528	28.8	8.06	7.69 R		5		<10	109	9.76	176.1
2013	7	23	7:00 AM	0.035	27.7	8.33	3.78 R						7.77	208.7
2013	6	24	1:20 PM	7.416	30.3	7.96	8.94 R		<5*		<10	106	3.89	180.8
2013	5	20	12:50 PM	18.817	23.5	7.95	7.6 R		<5*		<10	162	2.76	175
2001	3	20	3:00 PM	41.01	10.8		12.64 R	<10	<10	1,000	4		3.69	106.8
2001	2	13	2:50 PM	71.573	8.5	7.74	11.72 R	20	20	20	2		4	160
2001	1	8	3:15 AM	56.251	3.7	8.03	13.87 R	<10	10	20	6		4.61	172
2000	11	28	1:40 PM	67.604	8.6		11.9 R	20	10	80	4		4.59	166
2000	10	24	1:50 PM	0	22.4	8.08	8.71 PT	80	84	80	10		17.9	116
2000	9	18	2:30 PM	0	26.7	8.62	12.61 PT	20	<10	10	<1		3.98	156
2000	8	15	2:20 PM	0.18	33.4		9.2 R	<10	<10		2		3.46	175
2000	7	10	2:30 PM	20.034	31.3	7.81	8.03 R	20			1		5.96	212
2000	6	5	4:20 PM	8.232	26.1	7.89	7.87 R	100			2		5.77	212
2000	5	1	2:40 PM	286.87	17.9	7.41	8.8 R	2,000			19		23.1	140
2000	3	20	2:45 PM	30.325	12.2	8.29	12.3 R	<100			2.5		2.9	160
2000	1	11	9:30 AM	18.518	6.8	8.05	11.45 R	<100			<1		3.41	177
1999	11	1	8:50 AM	0				<100						
1999	9	27	10:00 AM	0				700						
1999	8	16	10:00 AM	0.026				<100						
1999	6	14	8:45 AM	18.253				<100						
1999	5	17	4:40 PM					10,000						
1999	4	19	10:00 AM	34.602				600						
1999	2	17	9:00 AM	30										
1998	5	21	9:30 AM	0.25										

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	31	2:30 PM	<0.02	<0.02			0.14	0.012	0.006	3.7	17.5	104	78	
2015	2	25	2:45 PM	<0.02	<0.02			0.13	0.009	0.005	5.9	30	85	74	
2015	1	20	3:00 PM	<0.02	<0.02			0.12	<0.005	<0.005	4.9	19.6	173	68	
2014	11	4	1:45 PM	<0.02	<0.02			0.2	0.032	0.021	6.2	30.5	114	56	Slightly elevated.
2014	10	7	2:45 PM	<0.02	0.02			0.29	0.03	0.015	5.6	16.6	79	74	
2014	9	3	3:00 PM	<0.02	<0.02		<0.015	0.62	0.063	0.028	5	13.4	92	80	
2014	8	5	11:15 AM												Base flow.
2014	7	29	3:30 PM	<0.02	<0.02		0.016	0.41	0.051	0.022	5	19.4	100	94	
2014	7	8	1:00 PM	<0.02	<0.02			<0.11	0.009	0.007	7.4	29.8	130	80	
2014	6	24	1:15 PM	<0.02	0.03		<0.015	<0.11	0.024	0.012	4.1	17	88	56	Slightly elevated.
2014	5	20	3:15 PM	<0.02	0.02			<0.11	0.019	0.006	4.2	16.8	89	90	
2014	4	15	3:45 PM	<0.02	0.05			0.27	0.017	0.005	3.6	13.5	112	53	
2014	3	11	2:15 AM	<0.02	0.27			0.13	0.019	<0.005	4.1	16	78	59	
2014	2	10	3:00 PM	<0.02	0.16			<0.11	0.018	<0.005	6.3	23.7	121	62	
2013	11	12	12:00 PM	<0.02	<0.02			<0.11	0.02	0.01	14.5	95	129	140	
2013	10	7	1:20 PM	<0.02	<0.02			0.41	0.044	<0.005	4.7	14.3	67	138	
2013	9	3	1:15 PM	<0.02	<0.02		0.043	0.48	0.057	0.022	5.2	13.1	127	54	
2013	8	13	9:45 AM												Slightly elevated.
2013	7	29	12:45 PM	<0.02	<0.02		<0.015	0.2	0.039	0.009	4.6	15.8	146	136	
2013	7	23	7:00 AM										97	124	DO was 3.36 in a RI.
2013	6	24	1:20 PM	<0.02	<0.02		<0.015	0.17	0.023	0.01	4.4	16.2	54	97	*Exceeded hold time.
2013	5	20	12:50 PM	<0.02	<0.02			0.14	0.012	<0.005	4.2	17.4	126	85	*Exceeded hold time.
2001	3	20	3:00 PM			0.2	<0.05	0.29	0.013	0.007	<5	15	69.1	53	
2001	2	13	2:50 PM			0.5	<0.05	0.05	0.011	0.011	<5	13	67.1	46	

2001	1	8	3:15 AM			0.99	<0.05	<0.05	0.023	0.006	<5	12.9	74.7	66	
2000	11	28	1:40 PM			1.29	<0.05	0.2	0.023	0.006	<5	10.9	67.2	47	
2000	10	24	1:50 PM			<0.05	<0.05	0.34	0.039	0.008	<5	8.6	49.6	76	
2000	9	18	2:30 PM			<0.05	0.06	0.52	0.02	<0.005	<5	11.7	65.3	65	DO was 12.42 at PB.
2000	8	15	2:20 PM			<0.05	<0.05	0.23	0.03	0.017	<5	13.1	75.4	65	DO was 12.43 at PT.
2000	7	10	2:30 PM			<0.05	<0.05	0.18	0.022	<0.005	<5	23.6	67.6	69	
2000	6	5	4:20 PM	<0.005	<0.024		<0.006	0.18	0.064	0.01	5	23.6	80	58	
2000	5	1	2:40 PM	0.006	<0.01		<0.01	0.53	0.064	<0.005	3	3.77	68	53	
2000	3	20	2:45 PM	<0.002	<0.003		<0.007	0.23	0.016	<0.002	4	17	82	38	
2000	1	11	9:30 AM	<0.005	0.41		<0.02	0.16	0.016	0.006	3.5	22.1	80	55	
1999	11	1	8:50 AM												
1999	9	27	10:00 AM												
1999	8	16	10:00 AM												
1999	6	14	8:45 AM												
1999	5	17	4:40 PM												High flow.
1999	4	19	10:00 AM												
1999	2	17	9:00 AM												
1998	5	21	9:30 AM												

IR WBID OK120400010280_00				OCC WBID OK120400-01-0280E				Manard Bayou				
Sampling Agency: Oklahoma Conservation Commission							County: Muskogee					
Sampling Location: Latitude 35.7942 Longitude -95.1634 (MAN-1)												
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	<i>E. coli</i> cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	31	1:00 PM		18.1	8.26	13.95 R		<10	150	4.24	265.3
2015	2	25	1:45 PM		4.6	7.93	12.6 R		<10	180	3.24	249.7

2015	1	20	1:30 PM		7	7.87	13.48 R		<10	170	3.9	303.5
2014	12	8	11:45 AM		9.9	6.74	9.87 R		<10	190	4.66	317.1
2014	11	3	9:00 AM		11.7	7.14	8.06 R		<10	180	5.38	320.8
2014	10	7	1:30 PM		22	8.06	7.86 R		<10	180	2.65	315.4
2014	9	3	1:45 PM		26.9	7.99	7.55 R	70	<10	160	14.9	259.2
2014	8	5	10:30 AM					<10			2.59	
2014	7	29	2:15 PM	0.1	28.6	7.78	8.41 R	<10	<10	180	2.39	311
2014	6	24	12:15 PM		26.5	7.66	9.75 R	<10	<10	180	8.98	311.4
2014	5	20	1:30 PM	4.5	23.7	7.86	9.09 R	10	<10	150	5.4	262.1
2014	4	15	2:00 PM		13	8.51	14.54 R		<10	140	6.39	231.4
2014	3	11	1:00 PM		13		13.62 R		<10	170	4.72	262.3
2014	2	10	1:45 PM		2.4	8.07	15.7 R				2.19	289.6
2014	1	7	1:30 PM		1.3	7.19	15.74 R		<10	200	2.38	315.6
2013	11	12	11:00 AM	3	11.9	8.11	9.32 R		<10	200	4.28	314
2013	10	7	2:30 PM	0	18.5	7.95	6.2 PT		<10	170	1.78	287
2013	9	3	2:25 PM	0.1	30.4	7.6	2.8 R	160	<10	180	2.16	299.7
2013	8	13	9:00 AM					120				
2013	7	29	1:45 PM	0.836	29.3	8.16	8.52 R	15	<10	135	9.32	215.6
2013	6	24	3:00 PM	2.436	32.3	8.16	7.36 R	<5	<10	166	3.77	284.7
2013	6	18	7:30 AM	7.637	27.8	7.93	6.82 R				4.44	292.7
2013	5	20	2:10 PM	26.509	24	7.47	5.55 R	25	<10	173	5.02	287.6

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	31	1:00 PM	<0.02	0.04		0.42	0.023	0.007	5.4	19.3	149	114	Slightly elevated.
2015	2	25	1:45 PM	<0.02	0.04		0.18	0.019	0.009	7.6	24	243	119	Base flow.
2015	1	20	1:30 PM	<0.02	0.21		0.18	0.015	0.011	7.1	21.7	261	123	Base flow.

2014	12	8	11:45 AM	<0.02	0.06		0.33	0.029	0.024	8.2	19.7	202	143	Slightly elevated.
2014	11	3	9:00 AM	<0.02	<0.02		0.21	0.047	0.031	8.4	17.4	179	122	Base flow.
2014	10	7	1:30 PM	<0.02	<0.02		0.31	0.024	0.006	9.8	16.9	142	137	Low flow.
2014	9	3	1:45 PM	<0.02	0.13	<0.015	0.51	0.148	0.108	6.9	14	150	119	Slightly elevated.
2014	8	5	10:30 AM											Trace flow.
2014	7	29	2:15 PM	<0.02	<0.02	<0.015	0.32	0.028	0.006	8.3	14.8	155	147	
2014	6	24	12:15 PM	<0.02	0.15	0.015	0.21	0.053	0.037	5.7	16.5	167	139	Base flow.
2014	5	20	1:30 PM	<0.02	<0.02		0.13	0.027	0.012	5.4	18.1	157	116	
2014	4	15	2:00 PM	<0.02	0.23		0.25	0.025	0.011	5.1	18.7	167	108	Slightly elevated.
2014	3	11	1:00 PM	<0.02	0.18		0.18	0.023	0.008	7.3	24.1	144	104	Base flow.
2014	2	10	1:45 PM									220	126	Base flow.
2014	1	7	1:30 PM	<0.02	1.28		0.17	0.024	0.015	8.7	23.5	192	128	Base flow.
2013	11	12	11:00 AM	<0.02	<0.02		0.17	0.041	0.024	8.6	20.5	234	144	
2013	10	7	2:30 PM	<0.02	0.04		0.24	0.039	0.017	8.5	15.3	116	137	
2013	9	3	2:25 PM	0.02	0.05	0.084	0.66	0.048	0.034	8.2	14.5	152	180	
2013	8	13	9:00 AM											Slightly elevated.
2013	7	29	1:45 PM	<0.02	0.03	<0.015	1.4	0.201	0.135	3.7	12.2	107	105	
2013	6	24	3:00 PM	<0.02	<0.02	<0.015	0.31	0.037	0.011	4.6	16.3	138	158	
2013	6	18	7:30 AM									147	133	DO was 6.93 at PT.
2013	5	20	2:10 PM	<0.02	0.21		0.32	0.049	0.033	4.6	20.1	141	142	

IR WBID OK120400010400_00				OCC WBID OK120400-01-0400F				Coody Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee						
Sampling Location: Latitude 35.71425 Longitude -95.32236111 (COO-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2010	5	5	1:00 PM	13.857	20.8	7.51	5.32 R		50	50			13.9	466.3

2010	3	23	1:00 AM		10	7.38	10.3 R						82.6	127.1
2010	2	17	2:00 PM		3.4	7.64	13.31 R						27.5	464.4
2010	1	12	1:30 AM	12.997	0.8	7.01	12.47 R						15.3	213.4
2009	12	1	1:00 PM	23.008	7.4	7.47	10.21 R				<10	258	16.7	357.5
2009	10	20	1:30 PM	30.269	14.7	7.31	7.62 R				<10	216	13.6	320.7
2009	9	15	1:00 PM		21.8	7.23	6.62 R		28	860	16	154	50.7	208.1
2009	8	11	1:00 PM	27.914	25.8	7.2	5.37 R		>1,000	>1,000	19	180	28.7	298.7
2009	7	7	1:00 PM	5.739	25	7.55	5.06 R		660	200	<10	324	6.83	559
2009	6	2	2:00 PM	7.839	23.8	7.37	5.01 R		210	160	<10	333	9.99	545
2009	4	28	1:00 PM	19.202	19.1	7.56	5.33 R		400	20	<10	299	18.6	484.5
2009	3	24	1:00 PM		16	7.75	7.18 R				23	251	33.6	434
2009	2	18	1:00 PM	30.69	10.1	7.14	9.9 R				<10	212	25	344.6
2009	1	6	1:00 PM	4.65	4.1	7.74	10.95 R				<10	260	16.6	467.3
2008	12	2	12:30 PM	6.511	4.5	7.32	5.86 R				<10	223	7.87	413.1
2008	10	28	1:30 PM	0	11.2	7.03	4.96 PT				<10	236	9.9	378.1
2008	9	23	2:00 PM	3.939	22.6	7.21	6.7 R		60	40	<10	232	22.9	391.4
2008	8	12	2:00 PM		23.5	7.12	6.15 R		>2,000	>2,000	60	156	106	178.4
2008	7	23	7:15 AM	0.644	28.5	7.38	4.2 R						9.6	498
2008	7	8	1:00 PM	2.87	27.2	7.25	4.65 R		700	180	<10	212	27.1	389.3
2008	6	23							560	160				
2008	6	3	1:00 PM	0	25.2	6.91	5.14 R		440	300	15	163	40.9	259.9
2005	5	25	12:30 PM	6.31	22.3	7.33	2.43 R		150	160	11	256		507
2005	4	19	12:30 PM	8.756	19.1	7.41	5.77 R		285	70	<10	259	19.7	419.2
2005	3	15	1:00 PM	14.221	10.4		8.32 R					482	8.42	699
2005	2	8	1:00 PM	42.584	6.9	9.18	10.44 R				<10	236		382
2005	1	10	1:00 PM	39.267	7.5	8.4	11.29 RI				13	203	35.7	356.3
2004	11	30	12:30 PM	32.021	8.2	8.49	10.02 R				29	227	70.9	322.5
2004	10	26	12:30 PM	33.566	19.9	7.7	4.13 RI		>500	630	48	183	33.2	314.4
2004	9	21	11:30 AM	0	22.6	7.77	4.37 PT		40	70	<10	221	6.41	395.7
2004	8	17	12:00 PM	0	22.3	7.61	5.27 PT		125	115	19	227	12.8	350.4

2004	7	13	12:30 PM	9.91	27.2	7.49	4.2 RI		45	330	<10	194	34.4	303.9
2004	6	15	12:15 PM	2.897	26.7	7.53	4.22 R		140	270	16	221	25	341.3
2004	5	4	1:00 PM	10.731	15.8	7.59	7.21 R		80	300	18	251	29	363.1
2004	3	30	11:45 AM	3.04	15.1	7.63	7.85 RI				<10	268	26.2	413.8
2004	2	24	1:30 PM	8.774	9.5	7.93	10.65 R				15	285	13.7	368.5
2004	1	21	8:30 AM	9.567	2.8	7.53	12.69 RI				24	190	58.6	309.3
2003	12	16	12:30 PM	8.866	5.9	7.55	9.52 RI				16	180	29.3	348
2003	11	4	8:00 AM	0.973	18.6	7.76	2.11 RI				14	281	17.7	438.5
2003	9	30	7:30 AM	1.039	16.5	7.69	5.85 RI		50	140	15*	210*	17.4	353.5
2003	8	26	8:00 AM	0	26.7	8.53	3.19 PT		60	80	31*	265*	23.6	467
2003	7	22	7:30 AM	0	27	7.37	2.59 PT		240	610	44	311	15.1	566
2003	7	15	7:30 AM	0										

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2010	5	5	1:00 PM	<0.02				0.29						149	
2010	3	23	1:00 AM	<0.02				0.47						49	High flow.
2010	2	17	2:00 PM	<0.02				0.29						94	High flow.
2010	1	12	1:30 AM	<0.02				0.47						88	
2009	12	1	1:00 PM	<0.02	0.24		0.021	0.4		0.034	15.8	63.9	98	40	
2009	10	20	1:30 PM	<0.02	0.14		0.018	<0.11*	0.492*	0.032*	13.7	46.3	86	44	*Exceeded holding time.
2009	9	15	1:00 PM	<0.02	0.18		0.064*	0.55*	0.105*	0.069*	7	29.4	81	46	*Exceeded holding time. High flow.
2009	8	11	1:00 PM	0.17	0.28		0.094	<0.11*	0.172*	0.156	20.9	24.3	133	81	*Exceeded holding time.
2009	7	7	1:00 PM	<0.02	<0.02		0.063	0.47	0.062	0.031	51.2	49	208	157	
2009	6	2	2:00 PM	<0.02	0.14		0.029	0.41	0.083	0.027	47.8	74.9	228	188	
2009	4	28	1:00 PM	<0.02	0.16		0.069	0.77	0.064	0.022	30	69.6	181	89	
2009	3	24	1:00 PM	<0.02	<0.02		<0.015	0.55	0.201	0.009	29.5	65.6	181	74	High flow.

2009	2	18	1:00 PM	<0.02	0.19		0.03	0.63	0.085	0.038	22.6	59	149	64	
2009	1	6	1:00 PM	<0.02	<0.02		<0.015	0.12	0.042	0.019	46.6	68.5	366	111	
2008	12	2	12:30 PM	<0.02	<0.02		<0.015	0.59	0.021	0.017	38	23.8	202	124	
2008	10	28	1:30 PM	<0.02	<0.02		<0.015	0.38	0.068	0.034	26.5	31.1	161	94	
2008	9	23	2:00 PM	<0.02	0.08		<0.015	<0.11	0.061	0.015	33.3	38.1	126	106	
2008	8	12	2:00 PM	<0.02	0.3		0.067	<0.11	0.183	0.099	6.9	20.9			High flow.
2008	7	23	7:15 AM											121	
2008	7	8	1:00 PM	<0.02	0.28		0.024	<0.11	0.068	0.035	27.1	42.1	129	107	
2008	6	23													High flow.
2008	6	3	1:00 PM	<0.02	0.25		0.059	0.43	0.118	0.056	14.1	27	89.2	127	
2005	5	25	12:30 PM	<0.02	0.23		0.166	0.43	0.064	0.036	50.2	34.4	137.3	161	
2005	4	19	12:30 PM	<0.02	0.05		0.027	<0.11	0.039	0.016	30.6	61.6	140	68	
2005	3	15	1:00 PM	<0.02	0.05		<0.015	0.12	0.056	0.007	110.8	97.5	212.5	61	
2005	2	8	1:00 PM	<0.02	0.2		<0.015	1.13	0.114	0.028	23.8	52.5	99	49	
2005	1	10	1:00 PM	<0.02	0.38		0.047	<0.11	0.098	0.032	16.3	48	102.8	43	
2004	11	30	12:30 PM	<0.02	0.22		<0.015	0.63	0.126	0.05	14	47	102.4	98	
2004	10	26	12:30 PM	<0.02	0.07		<0.015	0.27	0.159	0.072	17.1	28.9	112.3	80	
2004	9	21	11:30 AM	<0.02	0.15		<0.015	<0.11	0.069	<0.005	27.9	43.8	131.4	119	DO at PB was 4.29.
2004	8	17	12:00 PM	<0.02	0.19		<0.015	0.39	0.106	0.071	36.7	23	106	68	DO at PB was 5.01.
2004	7	13	12:30 PM	<0.02	0.31		0.038	0.27	0.105	0.065	13.2	39.1	88.4	67	
2004	6	15	12:15 PM	<0.02	0.34		0.075	0.2	0.155	0.047	18.1	35.7	114.1	94	
2004	5	4	1:00 PM	<0.02	0.29		0.028	0.432	0.121	0.026	15.1	52.5	120.3	44	
2004	3	30	11:45 AM	<0.02	0.27		0.042	1.313	0.107	0.031	17	76.7	130.4	65	
2004	2	24	1:30 PM	<0.02	0.17		0.04	0.269	0.088	0.029	28.2	85.6	157.3	92	
2004	1	21	8:30 AM	<0.02	0.39		0.081	0.827	0.14	0.07	13.4	43.1	88.6	46	
2003	12	16	12:30 PM	<0.02	0.11		<0.015	0.46	0.109	0.034	16.8	42.6	100	94	
2003	11	4	8:00 AM	<0.02	<0.02		0.017	0.502	0.138	0.026	30.5	36.7	140.3	99	
2003	9	30	7:30 AM	<0.02	0.12		0.029	0.552	0.1	0.026	21.9	35.6	113.3	92	*Exceeded holding time.

2003	8	26	8:00 AM	0.02*	0.08*		0.059	0.517	0.086	0.03	37	51.7	147.7	117	*Exceeded hold time. DO at PB was 2.27.
2003	7	22	7:30 AM	0.02*	0.1*		0.164	0.598	0.136	0.02	49.1	55.9	151.3	126	DO at PB was 2.51.
2003	7	15	7:30 AM												

IR WBID OK120400020010_00				OCC WBID OK120400-02-0010F				Dirty Creek							
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee							
Sampling Location: Latitude 35.47086111 Longitude -95.14986111 (DIR-1)															
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (R) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	
2010	5	5	10:30 AM	0	20.8	7.27	5.13 PT		60	200			11.6	506	
2010	3	23	11:00 AM		7.6	7.16	9.56 R						111	147.8	
2010	2	17	11:30 AM		4.6	7.75	10.4 PT						26.4	367.8	
2009	12	1	11:00 AM	0	9.2	7.42	6.86 PT				<10	184	16.2	249.7	
2009	10	20	11:00 AM	0	14.3	6.91	6.26 PT				11	143	24.4	196.1	
2009	9	15	11:00 AM		22.2	6.83	4.85 R		200	140	53	136	99.6	156.2	
2009	8	11	11:00 AM	0	28.8	7.01	5.03 PT		10	30	18	188	30.6	314.4	
2009	7	7	10:00 AM	0	28	6.88	1.12 PT		<10	100	<10	181	20.3	277.3	
2009	6	2	11:00 AM	0	24.2	6.79	4.02 PT		600	200	25	215	30.8	315	
2009	4	28	10:30 AM	0	21.3	7.16	2.02 PT		80	40	<10	174	20.9	226.8	
2009	3	24	10:45 AM	0	15.5	7.4	3.77 PT				11	195	15.5	288.7	
2009	2	18	10:30 AM		10.2	6.79	6.61 R				26	182	58.2	213.3	
2009	1	23	10:30 AM	0											
2009	1	6	10:00 AM	0	6	7.85	10.15 PT				13	202	23.7	361.3	
2008	12	2	10:15 AM	0	7.9	7.31	5.52 PT				<10	200	14.9	343.1	
2008	10	28	11:00 AM	0	15	6.9	5.73 PT				12	194	21.7	306.3	
2008	9	23	10:15 AM	0	22.9	7.37	5.86 PT		220	10	16	141	25.9	221.4	
2008	8	12	11:30 AM		23.4	6.78	4.48 PT		3,200	>10,000	81	198	136	280.8	

2008	7	8	9:30 AM	0	28	6.93	4.71 PT		30	<10	12	179	23.3	285.3
2008	6	23	12:00 PM						140	360				
2008	6	3	10:00 AM	0	25.7	7.16	3.26 PT		220	80	18	138	39.8	221.8
2005	5	24	3:45 PM	0	26.4	7.08	5.02 PT		30	10	23	266	18.8	466.8
2005	4	18	12:00 AM		19.9	6.95	5.9 PT		25	10	<10	161	39.6	297.3
2005	3	14	3:15 PM		14.6	7.6	9.18 PT					220	11	388.9
2005	2	14	2:00 PM		10.1	7.26	11.5 PT				30	128	36.9	239.3
2005	1	4	3:30 PM		12.2	6.75	7.68 R				113	97	190	103.8
2004	12	8	1:00 PM	2,093	10.4	6.95	8.71 R				151	158	205	126.9
2004	12	6	3:30 PM		7	7.6	10.68 R				24	151	40.4	222
2004	11	3	3:00 PM		15.7	6.63	5.11 R				<10	84	80.8	60.2
2004	9	28	3:45 AM	0	25.1	6.35	5.4 PT		5	<10	<10	195	11.7	340
2004	8	23	1:45 PM	0	28.1	7.37	5.57 PT		5	30	16	162		258.9
2004	7	19	3:00 PM	0	28.9	6.82	7.73 R		<5	<5	<10	101	16.1	244.9
2004	6	15	4:30 PM		29.8	6.87	8.87 R		90	90	<10	247	32.4	370.7
2004	5	26	9:00 AM	0	24.8	6.89	2.75 PT						18	261.3
2004	5	11	3:45 PM	0	25.4	6.98	6.95 PT		<5	85	<10	133	12.8	289.5
2004	4	5	4:00 PM	0		7.5	7.73 PT				29	180	32.4	253.5
2004	2	23	4:50 PM	0	9.6	7.13	8.92 PT				31	130	51.2	279.6
2004	2	18	2:00 PM	0										
2004	1	20	5:25 PM		5.5	7.15	10.01 R				53	134	104	164.5
2003	12	15	5:25 PM	0	7.7	7.08	4.99 R				19	158	53.9	262.5
2003	11	4	8:20 AM	0	18.6	6.77	1.31 PT				41	146	75.8	171.5
2003	9	29	4:05 PM	0	21.8	6.86	3.41 PT		20	50	53*	136*	59.8	217.1
2003	8	27	4:45 AM	0	29.9		1.74 PT							
2003	8	26	1:50 PM	0	32.4		3.71 PT		20	30	22*	241*	15.4	407.6
2003	7	22	1:15 AM	0	29.9	7.16	2.81 PT		30	80	17*	173*	19.7	317

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2010	5	5	10:30 AM	<0.02			0.25						93	
2010	3	23	11:00 AM	<0.02			0.11						36	High flow.
2010	2	17	11:30 AM	<0.02			0.32						70	DO at PB was 10.18.
2009	12	1	11:00 AM	<0.02	0.14	0.02	0.38		0.045	14.2	51.8	114	55	DO at PB was 6.79.
2009	10	20	11:00 AM	<0.02	0.21	0.048	0.63*	0.346*	0.048*	8.7	41.1	114	44	*Exceeded hold time. DO at PB was 5.92.
2009	9	15	11:00 AM	0.06	0.25	0.106*	0.85*	0.162*	0.094*	5.9	29.9	114	76	*Exceeded hold time. High flow.
2009	8	11	11:00 AM	0.09	0.08	0.145	0.12*	0.106*	0.068	23.3	30.9	111	89	*Exceeded hold time.
2009	7	7	10:00 AM	<0.02	<0.02	0.215	0.82	0.139	0.114	14	41.9	104	88	DO at PB was 0.93.
2009	6	2	11:00 AM	<0.02	0.17	<0.015	0.7	0.154	0.059	18.3	56.4	122	81	
2009	4	28	10:30 AM	<0.02	0.18	0.255	1.1	0.09	0.038	12.3	48.5	110	58	DO at PB was 1.71.
2009	3	24	10:45 AM	<0.02	0.18	0.134	0.66	0.144	0.019	32.5	69	297	121	
2009	2	18	10:30 AM	<0.02	0.26	0.062	0.93	0.152	0.06	12.7	47.4	134	50	High flow.
2009	1	23	10:30 AM											
2009	1	6	10:00 AM	<0.02	<0.02	<0.015	0.98	0.082	0.011	26	43.9	182	94	
2008	12	2	10:15 AM	<0.02	0.24	<0.015	0.44	0.035	0.02	20.8	45.5		94	
2008	10	28	11:00 AM	<0.02	0.14	0.015	0.45	0.06	0.007	17.7	60.4	130	93	DO at PB was 4.47.
2008	9	23	10:15 AM	<0.02	0.11	0.021	0.57	0.088	0.016	8.4	45.3	149	84	DO at PB was 4.94.
2008	8	12	11:30 AM	<0.02	0.39	0.072	<0.11	0.239	0.141	34.1	29.5	116	68	High flow. DO at PB was 4.19.
2008	7	8	9:30 AM	<0.02	0.12	0.044	<0.11	0.084	0.022	20.9	49	101	63	DO at PB was 4.63
2008	6	23	12:00 PM											High flow.
2008	6	3	10:00 AM	<0.02	0.3	0.085	0.52	0.116	0.043	12	36.4	62.5	82	DO at PB was 2.67.
2005	5	24	3:45 PM	<0.02	0.07	0.058	0.26	0.146	0.013	48.2	58.9	133	88	
2005	4	18	12:00 AM	<0.02	0.25	0.082	<0.11	0.057	0.023	16.3	49.3	92	56	
2005	3	14	3:15 PM	<0.02	0.1	0.048	0.19	0.065	0.02	28.4	72.9	117.7	58	Base flow.
2005	2	14	2:00 PM	<0.02	0.26	<0.015	0.42	0.116	0.024	12.3	45	74.3	40	Base flow.

2005	1	4	3:30 PM	<0.02	0.28	0.031	<0.11	0.204	0.096	4.5	14.7	32.9	25	High flow.
2004	12	8	1:00 PM	<0.02	0.25	0.02	0.47	0.279	0.138	4.8	22.3	39.1	31	
2004	12	6	3:30 PM	<0.02	0.24	0.024	0.39	0.099	0.048	12.4	41.2	70.5	57	High flow.
2004	11	3	3:00 PM	<0.02	0.17	<0.015	0.46	0.183	0.107	1.6	6.3	20.6	24	High flow.
2004	9	28	3:45 AM	0.05	<0.02	0.035	<0.11	0.068	0.027	28.3	28	105.5	62	
2004	8	23	1:45 PM	<0.02	0.07	<0.015	<0.11	0.1	0.023	16.9	26.4	86	57	DO at PB was 4.02.
2004	7	19	3:00 PM	<0.02	0.06	<0.015	0.48	0.13	0.047	17	32.8	78.7	63	
2004	6	15	4:30 PM	<0.02	0.22	0.021	0.41	0.129	0.023	44.4	40.8	102.5	65	
2004	5	26	9:00 AM										68	DO at PB was 2.64.
2004	5	11	3:45 PM	0.07	0.26	0.043	<0.11	0.08	0.008	16.7	52.1	91.7	41	
2004	4	5	4:00 PM	<0.02	0.17	0.052	0.602	0.114	0.048	13.7	45.5	81.2	49	
2004	2	23	4:50 PM	<0.02	0.51	0.122	0.608	0.152	0.066	16.1	50.1	78.9	20.3	
2004	2	18	2:00 PM											
2004	1	20	5:25 PM	<0.02	0.5	0.085	0.924	0.183	0.081	5.8	24.6	44.4	39	Base flow.
2003	12	15	5:25 PM	<0.02	0.36	0.16	0.617	0.152	0.065	16.1	36.3	81.1	65	
2003	11	4	8:20 AM	0.07	0.15	0.247	0.621	0.203	0.068	12.3	21.6	68.1	380	DO at PB was 1.28.
2003	9	29	4:05 PM	<0.02	0.2	0.027	0.592	0.181	0.056	15.2	21.3	71.4	40.3	*Exceeded hold time. DO at PB was 3.46
2003	8	27	4:45 AM											DO at PB was 1.72.
2003	8	26	1:50 PM	0.08*	0.09*	0.055	0.352	0.085	0.014	43.1	39.4	117.2	108	*Exceeded hold time. DO at PB was 2.57.
2003	7	22	1:15 AM	0.02	0.07	0.163	<0.11	0.116	0.021	23.7	38.5	97.9	69	*Exceeded hold time. DO at PB was 2.35.

IR WBID OK120400020010_00				OCC WBID OK120400-02-0010K				Dirty Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee					
Sampling Location: Latitude 35.51223 Longitude -95.23845 (DIR-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2016	8	18	3:00 PM		27								Base flow.
2016	2	11			6								Base flow.

IR WBID OK120400020030_00				OCC WBID OK120400-02-0030H				South Fork of Dirty Creek				
Sampling Agency: Oklahoma Conservation Commission							County: Muskogee					
Sampling Location: Latitude 35.4503 Longitude -95.2169 (SFD-2)												
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	<i>E. coli</i> cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	30	12:30 PM		14.8	7.48	9.99 R		<10	170	17.4	249.2
2015	2	24	1:30 PM		2.7	7.67	13.74 R		<10	210	17.3	340.1
2015	1	20	12:30 PM	5.411	6	7.76	11.03 R		<10	310	15.7	514.7
2014	12	8	12:00 PM	7.055	8.9	7.35	5.78 R		<10	280	9.48	462.1
2014	11	3	11:00 AM	0	11.3	7.41	5.43 PT		<10	160	4.27	348.1
2014	9	29	10:00 AM	0	19	7.68	3.18 PT		<10	190	3.53	338.1
2014	8	25	12:30 PM	0	127.6	7.75	5.62 PT	10	<10	170	4.82	307.6
2014	7	21	1:30 PM	0	23.8	7.66	6.62 PT	<10	25	210	24.5	355.2
2014	6	30	1:00 PM					<10			22.4	
2014	6	16	1:00 PM	0.952	25.7	7.37	3.38 R	70	<10	190	21.1	338.6
2014	5	12	1:00 PM	2.125	25.2	8.09	5.2 R	20	<10	540	6.55	922
2014	4	7	1:00 PM		13.1	7.67	9.64 R		21	180	53.4	246.7
2014	3	4	1:00 PM	2	3.5	6.53	13.62 R		<10	290	4.85	495.6
2014	1	27	9:00 AM	1	3	7.21	12.71 R		<10	180	9.92	350.8
2013	12	16	12:50 PM	13.728	2.8	6.89	12.41 R		<10	220	58.3	276.8
2013	11	12	1:00 PM	4.78	11.8	6.27	4.65 R		<10	500	16.7	791
2013	10	14	11:30 AM	0	18.7	7.03	5.31 PT		<10	220	14.1	365.5
2013	9	14	8:15 AM	0	23.3	7.1	3.33 PT				18	478.1
2013	9	3	1:00 PM	0.1	26.8	6.78	5.4 R	30	17	280	6.56	447.9
2013	8	19	10:00 AM					65			23.4	
2013	8	5	12:30 PM		29.5	7.11	4.35 R	30	<10	420	4.03	671

2013	7	1	12:00 PM	9.646	25.9	6.64	4.61 R	90*	<10	214	16.1	361.5
2013	5	28	12:00 PM	5.559	24.2	6.74	6.56 R	20*	<10	157	16.4	834.9

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	30	12:30 PM	<0.02	0.14			0.58	0.051	0.016	7	50.8	140	84	High flow.
2015	2	24	1:30 PM	<0.02	0.14			0.76	0.073	0.028	12.2	79.5	213	71	Elevated flow.
2015	1	20	12:30 PM	<0.02	0.21			0.36	0.026	0.009	10.1	136	286	104	
2014	12	8	12:00 PM	<0.02	<0.02			0.82	0.092	0.029	12.2	111	253	132	
2014	11	3	11:00 AM	<0.02	<0.02			1	0.105	0.059	17.3	19.4	224	121	
2014	9	29	10:00 AM	<0.02	0.02			0.53	0.042	0.006	8	11.9	186	184	
2014	8	25	12:30 PM	<0.02	<0.02		<0.015	0.6	0.029	<0.005	5.9	24.1	186	157	
2014	7	21	1:30 PM	<0.02	0.05		0.029	0.75	0.055	0.012	6.1	51	185	144	
2014	6	30	1:00 PM												Base flow.
2014	6	16	1:00 PM	0.03	0.16		0.112	0.76	0.064	0.028	5.6	60	164	111	
2014	5	12	1:00 PM	<0.02	<0.02			0.5	0.022	<0.005	10.2	282.2	384	196	
2014	4	7	1:00 PM	<0.02	0.09			1.04	0.098	0.018	6.3	50.8	148	72	High flow.
2014	3	4	1:00 PM	<0.02	0.03			0.34	0.024	0.005	10.5	133.4	234	171	
2014	1	27	9:00 AM	<0.02	0.19			0.37	0.043	0.005	10.3	82.4	221	114	
2013	12	16	12:50 PM	<0.02	0.5			0.78	0.123	0.043	8.5	59.4	154	104	
2013	11	12	1:00 PM	<0.02	<0.02			0.43	0.043	0.007	7.5	248.4	339	187	
2013	10	14	11:30 AM	<0.02	<0.02			0.51	0.037	<0.005	4.2	75.5	149	127	
2013	9	14	8:15 AM										207	161	
2013	9	3	1:00 PM	<0.02	<0.02		0.021	0.52	0.045	0.007	4.7	116.9	199	113	
2013	8	19	10:00 AM												Elevated flow.
2013	8	5	12:30 PM	<0.02	<0.02		<0.015	0.4	0.028	<0.005	9.5	202.7	304	146	Trace flow.
2013	7	1	12:00 PM	<0.02*	<0.02*		<0.015	0.5	0.032	<0.005	7.5	75.4	153	91	*Exceeded hold time.

2013	5	28	12:00 PM	<0.02	0.43			0.51	0.043	0.013	5.6	45.3	105	62	*Exceeded hold time.
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IR WBID OK120400020030_00				OCC WBID OK120400-02-0030F				South Fork of Dirty Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee						
Sampling Location: Latitude 35.45941667 Longitude -95.20033333 (SFD-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2010	5	5	9:30 AM	4.081	20.1	7.7	6.14 R		140	40			4.13	859
2010	3	23	9:30 AM		7.8	7.18	9.82 R						71.5	152.6
2010	2	17	10:30 AM	9.464	3.1	7.79	12.37 R						12.1	474.3
2010	1	12	10:30 AM	10.65	0.05	7.1	13.13 R						12.7	139.9
2009	12	1	10:00 AM	16.817	7.4	7.6	9.37 R				<10	192	11.8	262.1
2009	10	20	10:00 AM	16.305	14.2	7.01	8.32 R				<10	184	9.45	292.6
2009	9	15	10:00 AM	20.304	22	7.17	5.57 R		160	120	<10	194	49	277.5
2009	8	11	10:00 AM	0.234	25.1	7.04	4.65 R		60	400	15	299	41.1	500
2009	7	23	7:45 AM	0.01	22.4	7.31	2.95 R						4.96	5.38
2009	7	7	9:00 AM	0	25.5	7.02	2.95 PT		40	240	<10	285	17.5	462.1
2009	6	2	10:30 AM	0	23.6	7.22	4.22 PT		30	40	<10	309	8.09	518
2009	4	28	9:30 AM	0	20.1	7.67	4.25 PT		<20	60	<10	247	11.6	351.5
2009	3	24	10:00 AM	0	16.6	7.96	7.85 PT				<10	454	4.36	563
2009	2	18	10:00 AM		9.5	6.93	9.69 R				<10	196	17.8	322.2
2009	1	6	11:00 AM	0	4.9	8.1	9.25 PT				<10	1,161	18.9	1,625
2008	12	2	9:30 AM	0	4.7	7.68	7.48 PT				<10	795	5.34	1,130
2008	10	28	10:30 AM	0	9.9	7.41	5.54 PT				<10	501	2.76	780
2008	9	23	9:30 AM	0	21.3	7.81	6.28 PT		40	60	<10	266	6.54	459
2008	8	12	10:00 AM		22.9	6.76	6.77 R		1,800	5,100	46	180	110	192.2
2008	7	8	10:30 AM	0	27.6	7.22	4.55 PT		30	160	<10	402	9.44	697
2008	6	23	11:45 AM						80	260				

2008	6	3	9:30 AM			6.95	4.78 R		220	160	<10	166	26.2	285.2
2005	5	25	10:00 AM		22.2	7.48	4.41 R		>1000	>1000	51	484		806
2005	4	19	10:30 AM	0	19.9	7.27	5.04 PT		205	70	<10	147	8.8	306.8
2005	3	15	10:00 AM	0	10.6		7.31 PT				<10	290	5.7	346.1
2005	2	8	10:30 AM	59.045	7.6	8.43	9.67 R				10	160		229.8
2005	1	4	8:00 AM	2,371	9.8	9.36					423	83	392	89.8
2004	11	30	10:00 AM	20.472	8.7	8.62	8.26 R				<10	133	24.9	244.5
2004	10	26	10:00 AM	0	20	7.99	1.64 PT		35	90	<10	183	6.03	270.3
2004	9	21	9:30 AM	0	20	8.07	3.53 PT		10	710	36	302	10.5	512
2004	8	17	9:30 AM	0	23	7.82	4.45 PT		<5	80	<10	229	6.54	358.1
2004	7	13	7:45 AM	0	27.3	7.74	3.66 PT		85	140	<10	174	12.7	286.6
2004	6	15	10:00 AM		26.4	7.62	2.41 PT		20	150	<10	394	8.82	658
2004	5	4	10:00 AM	19.413	16.9	7.6	6.57 R		90	530	10	161	49.1	247.4
2004	3	30	10:00 AM	0	16.9	7.74	6.81 PT				19	158	20.4	315
2004	2	24	10:30 AM	3.187	9.9	7.56	8.06 R				15	127	17.9	213.9
2004	1	21	11:00 AM	9.75	3.4	7.38	11.17 R				15	162	45.9	265.1
2003	12	16	10:30 AM	0	6.1	7.56	8.7 PT				<10	280	11.1	578
2003	11	4	10:15 AM	0	17.6	7.88	3.03 PT				19	360	8.76	403.6
2003	9	30	9:45 AM	0	17.5	7.59	2.72 PT		10	150	10*	283*	3.22	473.9
2003	8	27	5:15 AM	0	28.2		1.28 PT							
2003	8	26	10:20 AM	0	27.6	7.89	4.03 PT		<10	70	28*	227*	13.3	546
2003	7	31	8:30 AM	0	26.4	7.44	0.75 PT						10.3	388
2003	7	22	11:45 AM	0	27.7	7.69	2.52 PT		20	510	13*	318*	12.6	523
2002	12	2	1:10 PM		7.7	6.89	9.39 R						1.18	572
2002	10	21	9:00 AM	0	13.9		3.35 PT						3.59	800
2002	8	12	8:30 AM	0	26	7.23	2.06 PT						11.6	873
2002	7	1	8:45 AM		25.8	7.45	2.25 PT							376.8
2002	6	24	8:45 AM		26.3	7.56	2.75 PT						15.7	340.2
2002	6	17	9:15 AM		23.6	7.06	4.31 PT						18.6	335.5
2002	6	10	8:30 AM		26.2	7.53	4.79 R						30.3	281.1

2001	2	20	9:40 AM	248.8	7.1	8.28	6.31 PT	200	419	100	<1		31.7	101
2000	12	4	5:15 PM		6.6	8.14	8.99 PT	90	20	30	<1		44.6	131
2000	8	15	3:30 PM	0	30.3		5.23 PT	40	31		2		15.4	285
2000	7	10	4:30 PM	3.247	30.5	7.36	5.45 PT	270			4		13.2	364
2000	6	5	6:00 PM	10.36	23.3	7.01	4.98 R	100			25		37.3	370
2000	5	1	4:15 PM	142.1	18.3	7.53	5.53 R	12,500			78		108	388
2000	3	28	3:30 PM	16.657	18.2	7.45	7.17 R	1,200			91		86.8	197.1
2000	2	21	2:00 PM	1.533	9.6	7.78	9.28 PT	<100			10		11.1	477.6
2000	1	19	12:30 PM	0.936	10.7	7.76		<100			9		15.5	469.9
1999	12	14	1:50 PM	8.952				1,200						
1999	11	9	12:40 PM					100						
1999	10	5	1:20 PM	0				<100						
1999	8	24	1:00 PM	0.047				<100						
1999	7	20	2:00 PM	1.11				<100						
1999	6	22	2:30 PM	2.951				100						
1999	5	25	4:30 PM	188.7				400						
1999	4	27	3:30 PM					4,000						
1999	2	17	10:30 AM	10										
1998	8	20	9:00 AM	1.441										
1997	10	20	1:00 PM	0.8										

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2010	5	5	9:30 AM	<0.02				<0.11						170	
2010	3	23	9:30 AM	<0.02				1.11						36	High flow.
2010	2	17	10:30 AM	<0.02				0.27						89	
2010	1	12	10:30 AM	<0.02				0.16						115	

2009	12	1	10:00 AM	<0.02	0.04		<0.015	0.25		0.014	7.6	63.9	114	63	
2009	10	20	10:00 AM	<0.02	0.13		0.019	<0.11*	<0.005*	0.019*	6.4	71.9	128	58	*Exceeded hold time.
2009	9	15	10:00 AM	<0.02	0.36		0.085	0.76*	0.122*	0.072*	4.4	64.5	107	90	*Exceeded hold time.
2009	8	11	10:00 AM	<0.02	<0.02		0.044	0.53*	0.084*	0.037	5.3	80.6	164	131	*Exceeded hold time.
2009	7	23	7:45 AM										210	197	
2009	7	7	9:00 AM	<0.02	<0.02		<0.015	0.61	0.131	0.032	7.1	120.3	182	135	
2009	6	2	10:30 AM	<0.02	0.06		0.04	0.18	0.055	0.021	9.1	157.4	305	202	
2009	4	28	9:30 AM	<0.02	0.02		0.068	0.46	0.052	0.01	7.2	108.7	173	92	DO was 4.17 at PB.
2009	3	24	10:00 AM	<0.02	<0.02		<0.015	0.28	0.096	0.008	10.4	252	345	170	DO was 7.61 at PB.
2009	2	18	10:00 AM	<0.02	0.08		<0.015	0.3	0.053	0.013	6.5	83.8	120	98	Elevated flow.
2009	1	6	11:00 AM	<0.02	<0.02		<0.015	0.24	0.059	0.01	13.4	606.4	449	213	
2008	12	2	9:30 AM	<0.02	<0.02		<0.015	0.3	0.013	0.008	11.5	362.9	472	212	
2008	10	28	10:30 AM	<0.02	<0.02		<0.015	0.22	0.029	0.006	11.1	194.1	290	180	
2008	9	23	9:30 AM	<0.02	0.04		0.015	0.11	0.039	0.005	5.2	106.6	161	102	DO was 5.87 at PB.
2008	8	12	10:00 AM	<0.02	0.25		0.029	<0.11	0.195	0.091	3.7	39.8	98	68	High flow.
2008	7	8	10:30 AM	<0.02	0.08		0.016	<0.11	0.035	0.009	11.4	180.3	276	203	DO was 4.21 at PB.
2008	6	23	11:45 AM												High flow.
2008	6	3	9:30 AM	<0.02	0.22		0.069	0.43	0.109	0.041	5.5	55.6		63	High flow.
2005	5	25	10:00 AM	<0.02	0.3		<0.015	0.37	0.065	0.038	8.1	216	305.3	163	High flow.
2005	4	19	10:30 AM	<0.02	0.05		0.027	<0.11	0.017	0.007	6.5	57.4	99.2	60	DO was 4.81 at PB.
2005	3	15	10:00 AM	<0.02	<0.02		<0.015	<0.11	0.041	<0.005	8.3	104.8	162.8	79	DO was 7.26 at PB.
2005	2	8	10:30 AM	<0.02	0.26		<0.015	0.95	0.123	0.027	5.6	42	62.4	43	
2005	1	4	8:00 AM	<0.02	0.34		0.056	<0.11	0.197	0.111	2.7	9.2	23.9	40	
2004	11	30	10:00 AM	<0.02	0.19		<0.015	0.33	0.069	0.012	5.4	35.8	65.2	69	
2004	10	26	10:00 AM	<0.02	<0.02		<0.015	<0.11	0.057	0.012	5.7	34.5	115.5	125	DO was 1.44 at PB.
2004	9	21	9:30 AM	<0.02	0.06		<0.015	0.34	0.09	0.012	7.2	99.2	185.1	127	DO was 3.41 at PB.
2004	8	17	9:30 AM	<0.02	0.07		<0.015	0.34	0.077	0.041	5.3	70.8	126.1	82	DO was 4.35 at PB.
2004	7	13	7:45 AM	<0.02	0.11		0.041	<0.11	0.101	0.057	6.2	52.9	99.5	66	DO was 3.31 at PB.
2004	6	15	10:00 AM	<0.02	0.15		0.075	<0.11	0.072	0.07	7.9	158.8	231.2	90	Base flow. DO was 2.39 at PB.

2004	5	4	10:00 AM	<0.02	0.16		0.042	0.189	0.101	0.015	6.8	49.5	86.6	49	
2004	3	30	10:00 AM	0.07	0.32		0.066	0.827	0.096	0.027	6.7	61.1	104.7	87	DO was 6.64 at PB.
2004	2	24	10:30 AM	<0.02	0.17		0.05	0.208	0.085	0.021	6.6	49	81.5	43	
2004	1	21	11:00 AM	<0.02	0.42		0.036	0.826	0.13	0.055	6.1	49	77.1	38	
2003	12	16	10:30 AM	<0.02	<0.02		<0.015	0.246	0.06	0.01	7	117	170.5	141	DO was 8.61 at PB.
2003	11	4	10:15 AM	<0.02	<0.02		0.015	1.075	0.172	0.037	4.9	72.9	180.6	97	DO was 2.76 at PB.
2003	9	30	9:45 AM	<0.02	<0.02		0.019	0.458	0.005	<0.005	4.1	106.3	163.2	99	*Exceeded hold time. DO was 2.68 at PB.
2003	8	27	5:15 AM												DO was 1.07 at PB.
2003	8	26	10:20 AM	0.02*	0.08*		0.058	0.451	0.063	0.011	5.8	109.9	181.6	119	*Exceeded hold time. DO was 3.85 at PB.
2003	7	31	8:30 AM											109	DO was 0.93 at PB.
2003	7	22	11:45 AM	0.02*	0.05*		0.18	0.54	0.066	0.008	5.7	122.7	176.4	101	*Exceeded hold time. DO was 2.42 at PB.
2002	12	2	1:10 PM											146	Base flow.
2002	10	21	9:00 AM											215	DO was 3.02 at PB.
2002	8	12	8:30 AM											186	DO was 2.02 at PB.
2002	7	1	8:45 AM											72	Base flow. DO was 2.05 at PB.
2002	6	24	8:45 AM											66	Base flow. DO was 2.71 at PB.
2002	6	17	9:15 AM											89	Base flow. DO was 4.08 at PB.
2002	6	10	8:30 AM											53	Slightly elevated.
2001	2	20	9:40 AM			1.6	<0.05	0.34	0.037	0.009	<5	12.7	24.3	24	
2000	12	4	5:15 PM			1.32	<0.05	0.23	0.035	0.007	<5	41	81.8	88	DO was 8.74 at PB.
2000	8	15	3:30 PM			<0.05	<0.05	0.37	0.034	0.013	<5	146	323	153	
2000	7	10	4:30 PM			0.08	<0.05	0.14	0.039	0.012	<5	69.2	106	110	
2000	6	5	6:00 PM	0.017	0.31		0.061	0.61	0.141	0.031	5.2	92.4	120	82	
2000	5	1	4:15 PM	0.028	0.25		0.202	2.17	0.26	0.049	8.5	70.8	158	91	
2000	3	28	3:30 PM	0.007	<0.01		<0.027	1.04	0.145	0.005	6.5	59.1	94	63	

2000	2	21	2:00 PM	<0.001	<0.01		<0.022	0.41	0.031	<0.002	9	99	178	106.8	DO was 9.3 at PB.
2000	1	19	12:30 PM	<0.02	0.11		<0.011	0.38	0.039	<0.005	6.5	99	160	105	
1999	12	14	1:50 PM												
1999	11	9	12:40 PM												
1999	10	5	1:20 PM												
1999	8	24	1:00 PM												
1999	7	20	2:00 PM												
1999	6	22	2:30 PM												
1999	5	25	4:30 PM												
1999	4	27	3:30 PM												High flow.
1999	2	17	10:30 AM												
1998	8	20	9:00 AM												
1997	10	20	1:00 PM												

IR WBID OK120400020110_00				OCC WBID OK120400-02-0110D				George's Fork of Dirty Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee						
Sampling Location: Latitude 35.49352778 Longitude -95.24544444 (GFD-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	30	1:00 PM		15.1	7.55	8.79 R				15	150	50.9	194.7
2015	2	24	2:00 PM		2.4	7.65	13.24 R				<10	190	21.7	278.8
2015	1	20	2:00 PM	13.677	5.7	7.81	11.67 R				<10	170	24.4	145.7
2014	12	8	1:00 PM	12.3	9.2	7.36	4.21 R						12.6	304.7
2014	11	3	12:00 PM	0	12.6	7.32	2.51 PT				<10	230	5.91	257.8
2014	9	29	10:30 AM	0	19.6	7.72	3.15 PT				<10	150	7.97	266.8
2014	8	25	1:30 PM	0	25.4	7.17	2.71 PT		20		<10	150	7.47	265.1
2014	7	21	2:30 PM	0	33.3	7.37	4.86 PT		120		<10	130	24.8	214.5

2014	6	30	2:00 PM						<30				24.9	
2014	6	16	2:00 PM	13.283	26.3	7.22	3.66 R		50		<10	130	36.7	215.3
2014	5	12	2:00 PM	7.772	25.7	8.14	13.38 R		80		42	330	55.9	603
2014	4	7	2:00 PM		13	7.64	9.46 R				150	180	136	200.7
2014	3	4	2:00 PM	2	4	7.04	13.01 R				<10	180	14.1	314.9
2014	1	27	8:00 AM	2	2.4	6.68	12.16 R				<10	130	17.3	222.1
2013	12	16	1:30 PM		3.2	6.63	12.15 R				<10	200	55.9	204.8
2013	11	12	2:00 PM	2.848	12.2	5.88	4.92 R				<10	140	48.7	206.4
2013	10	14	1:30 PM	0.1	18.3	7.72	4.66 R				<10	230	24.4	341.7
2013	9	26	8:00 AM	0.1	19.6	6.75	4.15 R						27.3	131.9
2013	9	3	2:30 PM	0.1	24.5	6.5	3.14 R		<10		<10	120	13.2	199.6
2013	8	19	9:30 AM						70				47.9	
2013	8	5	2:00 PM		29.1	6.23	2.49 R		20		<10	154	13.6	246.1
2013	7	1	1:00 PM	1.28	26.1	6.19	2.81 R		10*		<10	115	17.4	186.2
2013	5	28	1:00 PM	4.17	26.2	6.64	4.87 R		10*		<10	118	78.9	177.1
2010	5	5	11:00 AM	1.475	19.8		5.05 R		20	10			14.5	382.6
2010	3	23	11:30 AM		9.4	7.07	8.4 R						66.5	115
2010	2	17	12:00 PM	25.102	4	7.47	12.15 R						18.9	138.4
2010	1	12	12:00 PM	15.08	0.6	6.71	12.65 R						16.7	161.4
2009	12	1	11:30 AM	9.49	7.9	7.9	9.96 R				<10	163	18.4	205.7
2009	10	20	11:30 AM	22.473	15	6.92	7.21 R				<10	119	19.4	154.7
2009	9	14	11:30 AM	150.248	21.8	6.9	5.75 R		80	140	22	132	65.6	144.3
2009	8	11	11:30 AM	0.01	25.6	7.05	7.1 R		20	160	<10	187	26.6	307.4
2009	8	4	7:30 AM	0	25.3	7.02	3.57 PT						8.04	316.6
2009	7	7	11:00 AM	0.01	24.5	6.75	0.97 PT		<10	70	<10	197	6.93	305.9
2009	6	2	11:30 AM	0.49	23.8	6.81	3.38 R		190	60	<10	151	30.8	227
2009	4	28	11:00 AM	8.078	20.4	7.06	3.43 R		340	100	18	121	31.2	170.5
2009	3	24	11:30 AM	8.761	15.8	7.44	6.13 R				<10	188	5.84	294.1
2009	2	18	11:30 AM	12.757	9.9	6.93	8.83 R				<10	122	34.2	173.3
2009	1	23	11:00 AM	0										

2009	1	6	11:45 AM	0.07	5	7.55	7.34 R				<10	363	16	646
2008	12	2	11:00 AM	0	6.8	7.43	5.65 PT				<10	129	7.15	238.9
2008	10	28	12:00 PM	0	12	6.85	4.04 PT				<10	140	12.4	217.2
2008	9	23	11:00 AM	15.074	22	7.23	4.6 R		70	150	<10	115	21.4	163.2
2008	8	12	12:30 PM		23.6	7.06	5.37 R		>2,000	>2,000	36	201	147	203.5
2008	7	8	11:00 AM	0.259	27.2	6.85	3.05 R		60	80	11	180	19.1	328.7
2008	6	23	12:15 PM						220	20				
2008	6	3	11:00 AM	14.057	25.6	6.99	3.83 R		240	100	18	109	34.3	169.8
2005	5	25	11:00 AM	31.644	22.6	7.37	4.37 R		>1,000	>1,000	96	133		229.5
2005	4	19	11:15 AM	9.703	19.3	7.15	6.28 R		60	70	22	132	28	263.3
2005	3	15	10:45 AM	6.599	10.9		9.52 R				<10	193	6.49	242.5
2005	2	8	11:30 AM	78.873	7.4	8.29	10.28 R				15	159		215.9
2005	1	4	10:00 AM	4,410	9.4	9.21					420	134	399	94.2
2004	11	30	11:00 AM	16.921	8.4	8.71	9.18 R				<10	145	44.6	181.7
2004	10	26	11:00 AM	0	19	7.69	1.21 PT		30	40	<10	223	5.43	341.8
2004	9	21	10:00 AM	0	21.4	7.73	0.85 PT		30	80	10	216	13	356.7
2004	8	17	10:30 AM	0.103	21.9	7.31	2.59 R		20	50	66	223	53.6	273.8
2004	7	13	10:30 AM	8.537	27.5	7.76	2.71 RI		100	200	23	133	35.9	193.9
2004	5	15	10:30 AM	1.83	25.7	7.37	2.94 RI		50	415	23	164	37.9	251.5
2004	5	4	11:00 AM	7.407	16.6	7.5	7.5 R		80	440	24	125	33	167.3
2004	3	30	10:30 AM	5.916	15.3	7.59	6.54 RI				36	126	45.7	198.8
2004	2	24	11:30 AM	8.113	10.1	7.55	9.73 RI				20	128	29.6	184.5
2004	1	21	10:15 AM	15.602	3	7.4	12.24 R				20	117	44.6	167.1
2003	12	16	11:00 AM	0.126	5.5	7.69	7.74 RI				14	133	19.7	295.2
2003	11	4	9:30 AM	0	18.8	7.6	2.03 PT				37	255	9.27	398.1
2003	9	30	9:00 AM	0	16.8	7.78	2.05 PT		50	50	22*	203*	20.6	316.3
2003	8	27	5:40 AM	0	26.9		1.5 PT							
2003	8	26	9:30 AM	0	26.8	7.95	4.42 PT		40	60	10*	92*	19.9	317.4
2003	7	22	12:30 PM	0	26.4	7.93	2.33 PT		30	270	18*	175*	33.7	289.1

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2015	3	30	1:00 PM	<0.02	0.09			0.82	0.094	0.038	9.9	31.4	121	102	High flow.
2015	2	24	2:00 PM	<0.02	0.09			0.78	0.073	0.039	13.3	59	202	84	Elevated.
2015	1	20	2:00 PM	<0.02	0.26			0.65	0.091	0.038	12.6	39.2	184	101	
2014	12	8	1:00 PM	0.03	<0.02			0.7	0.114	0.073			194	136	
2014	11	3	12:00 PM	<0.02	<0.02			0.67	0.05	0.022	6.3	65.6	166	119	
2014	9	29	10:30 AM	<0.02	0.03			0.62	0.059	0.024	13.3	24.3	116	127	
2014	8	25	1:30 PM	<0.02	0.23		0.043	0.78	0.076	0.039	13.9	16.3	124	89	
2014	7	21	2:30 PM	<0.02	0.13		0.024	0.82	0.077	0.04	8.1	12.3	167	114	
2014	6	30	2:00 PM												Slightly elevated.
2014	6	16	2:00 PM	<0.02	0.19		0.055	0.92	0.095	0.037	9.4	20.5	113	89	
2014	5	12	2:00 PM	0.13	0.2			4.85	0.094	0.693	40	78	185	161	
2014	4	7	2:00 PM	<0.02	0.07			1.37	0.184	0.029	10.1	31	127	63	High flow.
2014	3	4	2:00 PM	<0.02	<0.02			0.66	0.104	0.026	19.2	55	202	129	
2014	1	27	8:00 AM	<0.02	0.11			0.66	0.105	0.037	12.2	36.5	208	118	
2013	12	16	1:30 PM	<0.02	0.34			1.03	0.143	0.051	16.1	26.8	183	114	High flow.
2013	11	12	2:00 PM	<0.02	0.05			0.66	0.12	0.067	9.2	21.3	144	84	
2013	10	14	1:30 PM	<0.02	0.06			1.36	0.138	0.068	28.8	27.4	136	107	
2013	9	26	8:00 AM										46	48	
2013	9	3	2:30 PM	<0.02	0.13		0.037	1.25	0.07	0.027	6.7	13.3	193	114	
2013	8	19	9:30 AM												Elevated.
2013	8	5	2:00 PM	<0.02	<0.02		<0.015	0.88	0.08	0.018	12.5	26.2	222	119	Trace.
2013	7	1	1:00 PM	<0.02*	0.03*		<0.015	0.53	0.075	0.017	8	19.8	84	60	*Exceeded hold time.
2013	5	28	1:00 PM	<0.02	0.28			0.9	0.132	0.064	7	19.5	68	60	*Exceeded hold time.
2010	5	5	11:00 AM	<0.02				0.1						189	
2010	3	23	11:30 AM	<0.02				0.89						43	High flow.

2010	2	17	12:00 PM	<0.02				0.31						33	
2010	1	12	12:00 PM	<0.02				0.74						111	
2009	12	1	11:30 AM	<0.02	0.17		<0.015	0.41	0.033		10.5	39	109	49	
2009	10	20	11:30 AM	<0.02	0.19		0.026*	0.65*	0.086*	0.026*	6.8	25.1	107	36	*Exceeded hold time.
2009	9	14	11:30 AM	0.04	0.18		0.091*	0.93*	0.095*	0.08*	5.7	20.9	99	74	*Exceeded hold time.
2009	8	11	11:30 AM	<0.02	<0.02		0.059	<0.11*	0.071*	0.054	17.3	9.2	131	264	*Exceeded hold time.
2009	8	4	7:30 AM										102	116	
2009	7	7	11:00 AM	<0.02	<0.02		0.052	0.74	0.144	0.073	14.7	21.5	176	125	
2009	6	2	11:30 AM	<0.02	0.06		0.063	0.37	0.103	0.031	11.2	32.4	88	93	
2009	4	28	11:00 AM	<0.02	0.06		0.132	0.9	0.091	0.034	7.8	30.6	91	57	
2009	3	24	11:30 AM	<0.02	<0.02		0.033	1.09	0.246	0.012	28.7	46.5	271	99	
2009	2	18	11:30 AM	<0.02	0.17		0.032	0.77	0.129	0.045	9.1	28.1	92	47	
2009	1	23	11:00 AM												
2009	1	6	11:45 AM	<0.02	<0.02		0.018	0.53	0.012	0.012	68	185.4	349	177	
2008	12	2	11:00 AM	<0.02	<0.02		<0.015	0.54	0.045	0.02	14.6	15.6	108	118	DO was 5.03 PB.
2008	10	28	12:00 PM	<0.02	<0.02		<0.015	0.48	0.049	0.006	13.7	23	105	71	DO was 3.73 PB.
2008	9	23	11:00 AM	<0.02	0.11		0.042	0.46	0.075	0.013	7.5	20.6	71	55	
2008	8	12	12:30 PM	<0.02	0.34		0.293	<0.11	0.263	0.125	8	30.7	141	89	High flow.
2008	7	8	11:00 AM	<0.02	<0.02		<0.015	<0.11	0.059	0.012	22	59.9	93	137	
2008	6	23	12:15 PM												High flow.
2008	6	3	11:00 AM	<0.02	0.24		0.096	0.49	0.104	0.039	7	24.5	80.5	84	
2005	5	25	11:00 AM	<0.02	0.34		<0.015	0.29	0.199	0.006	11.4	33.7	65.9	94	
2005	4	19	11:15 AM	<0.02	0.07		0.034	<0.11	0.071	0.007	11.7	41.1	70.1	40	
2005	3	15	10:45 AM	<0.02	0.09		<0.015	<0.11	0.077	0.007	15.8	60.9	90.4	59	
2005	2	8	11:30 AM	<0.02	0.27		0.015	1.18	0.156	0.026	7.2	37	56.6	47	
2005	1	4	10:00 AM	<0.02	0.27		0.074	0.2	0.203	0.131	3.1	8.4	21.2	43	
2004	11	30	11:00 AM	<0.02	0.23		<0.015	0.69	0.104	0.033	7.2	26.2	52.1	34	
2004	10	26	11:00 AM	<0.02	<0.02		<0.015	<0.11	0.072	0.014	28	29.4	101.9	124	DO was 0.76 PB.
2004	9	21	10:00 AM	<0.02	0.04		<0.015	0.54	0.108	0.014	27.5	33.6	102.4	107	DO was 0.79 PB.
2004	8	17	10:30 AM	<0.02	0.18		<0.015	0.098	0.149	0.062	13.5	32.1	83.3	80	

2004	7	13	10:30 AM	<0.02	0.19		0.066	0.34	0.127	0.08	8.6	22.3	58.5	81	
2004	5	15	10:30 AM	<0.02	0.2		0.151	0.38	0.158	0.03	14.1	27.3	76.2		
2004	5	4	11:00 AM	<0.02	0.17		0.031	0.391	0.126	0.025	7.1	23.8	51	37	
2004	3	30	10:30 AM	<0.02	0.23		0.064	0.986	0.14	0.039	8.4	28.5	58.7	41	
2004	2	24	11:30 AM	<0.02	0.26		0.038	0.318	0.104	0.031	12.7	45.4	67.7	39	
2004	1	21	10:15 AM	<0.02	0.44		0.082	0.863	0.144	0.05	6.7	22.5	42.6	42	
2003	12	16	11:00 AM	<0.02	0.02		0.03	0.679	0.133	0.033	15.2	41	114.6	101	
2003	11	4	9:30 AM	<0.02	<0.02		0.037	0.637	0.098	0.006	27.4	38.4	112.7	96	DO was 1.27 at PB.
2003	9	30	9:00 AM	<0.02	0.06		0.077	0.939	0.115	0.021	18.9	24.4	97.1	95	*Exceeded hold time. DO was 1.99 at PB.
2003	8	27	5:40 AM												DO was 1.46 at PB. Pre-dawn sampling.
2003	8	26	9:30 AM	0.02*	0.02*		0.093	0.051	0.093	0.019	18.5	12.1	94.6	99	*Exceeded hold time. DO was 4.12 at PB.
2003	7	22	12:30 PM	0.02*	0.06*		0.21	0.652	0.107	0.017	16.9	20.5	82.5	108	*Exceeded hold time. DO was 2.19 at PB.

IR WBID OK120400020160_00				OCC WBID OK120400-02-0160D				Butler Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee						
Sampling Location: Latitude 35.58063889 Longitude -95.41788889 (BUT-1)														
Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2010	5	4	10:30 AM	0	17.5	7.34	6.1 PT		<10	<10			5.02	320.2
2010	3	22	11:00 AM		3.2	7.09	13.92 R						97.8	118.4
2010	2	16	11:45 AM	0	4.2	7.24	9.81 PT						20.6	350.7
2010	1	5	10:30 AM	0										
2009	11	30	10:00 AM	5.674	9.1	7.15	9.05 R				<10	96	13.4	148.7
2009	10	19	9:30 AM	0	13.1	6.67	9.75 PT				<10	122	40.8	132.3

2009	9	14	10:00 AM	7.059	21.1	7.18	6.64 R		480	660	20	102	51.3	114.8
2009	8	24	7:30 AM	0										
2009	8	10	9:30 AM	0										
2009	7	6	9:30 AM	0	23.8	6.67	3.81 PT		210	130	<10	202	6.62	339.1
2009	6	1	1:00 PM	0	23.8	6.56	3.96 PT		1,200	<10	<10	206	13.1	322.2
2009	4	27	1:30 PM	2.028	20.8	7.16	3.06 R		60	60	<10	180	25.7	249.8
2009	3	23	2:30 PM	0	16.3	7.4	6.77 PT				<10	290	8.86	352.4
2009	2	17	3:00 PM	59.615	8.5	6.54	7.52 R				<10	195	47.2	267.2
2009	1	20	1:30 PM	0										
2009	1	5	2:00 PM	0	4.4	7.4	5.36 PT				<10	291	16.2	556
2008	12	1	1:30 PM	0	5.4	7.11	5.14 PT				<10	333	16.5	497.8
2008	10	27	2:30 PM	0	10.1	7.05	8.43 PT				13	200	13.9	377.1
2008	9	22	3:00 PM	0.01	22.2	6.94	3.26 PT		200	50	35	194	59	296.4
2008	8	11	1:30 PM		22.7	6.42	5.78 R		9,900	>10,000	196	141	304	152.4
2008	7	29	7:30 AM	0	25.9	6.62	1.47 PT						34.4	490
2008	7	7	2:00 PM	0.078	28.3	6.94	3.29 R		70	20	32	291	40.2	525
2008	6	23	9:15 AM						120	60				
2008	6	2	2:00 PM		23.7	6.94	4.85 R		5,300	2,600	50	153	168	127.7
2005	5	24	3:30 PM	0	26.5	6.99	4.56 Pt		50	90	18	394		789
2005	4	18	3:30 PM	1.623	20.6	7.18	6.67 R		80	30	<10	238	17.2	424.4
2005	3	14	3:30 PM	1.59	12.6		10.03 R				11	312	14	421.4
2005	2	7	4:00 PM	28.857	8.1	8.39	10.08 R				27	170		234.2
2005	1	10	11:30 AM	23.976	7.3	9.08	10.04 R				<10	163	39.4	272.2
2004	11	29	4:00 PM	13.977	9.3	8.43	8.43 R				14	172	39.2	229.7
2004	10	25	3:30 PM	0	18.8	8.16	2.83 PT		<5	20	<10	310	3.27	487
2004	9	20	3:30 PM	0	23.3	7.68	2.09 PT		>500	50	10	340	9.23	643
2004	8	16	4:00 PM	0	22.7	7.44	4.02 PT		20	60	22	392	21.5	676
2004	7	12	12:00 PM	2.55	28.6	7.66	3.83 R		165	170	31	209	37.2	283.1
2004	6	14	3:30 PM	1.481	27.3	7.48	2.65 R		125	80	13	172	33.9	250.9
2004	5	3	4:00 PM	7.323	16	7.73	7.41 R		80	480	20	221	26.6	303.9

2004	3	29	2:30 PM	9.82	16.8	7.61	7.3 R				59	218	66.8	357.2
2004	2	23	4:00 PM	1.035	10.8	7.45	9.45 RI				<10	187	21.3	248.1
2004	1	21	1:00 PM	4.976	3.4	7.26	11.75 RI				30	147	52.8	211.3
2003	12	15	4:30 PM	2.434	9.2	6.99	8.11 RI				14	155	39.9	245.5
2003	11	3	3:30 PM	0	19.8	7.28	0.83 PT				<10	76	13.8	253.2
2003	9	29	2:30 PM	1.671	15.3	7.59	4.69 PT		<10	10	47*	151*	31.6	243.1
2003	8	25	2:00 PM	0	30.1	8.16	5.41 PT		40	<10	52*	23*	19.3	309.6
2003	7	23	8:30 AM	0	22.3	7.33	2.09 PT						25.5	352
2003	7	14	10:00 AM	0										
1998	5	21	1:45 PM	0.1										

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2010	5	4	10:30 AM	<0.02				<0.11						110	
2010	3	22	11:00 AM	<0.02				<0.11						41	High flow
2010	2	16	11:45 AM	<0.02				0.33						89	DO was 7.72 PB
2010	1	5	10:30 AM												
2009	11	30	10:00 AM	<0.02	0.09		<0.015	0.27			5.1	46.5	66	38	
2009	10	19	9:30 AM	<0.02	0.08		0.032*	0.49*	0.053*	0.005*	4.1	35.6	146	49	*Exceeded holding time.
2009	9	14	10:00 AM	<0.02	0.14		0.056*	0.8*	0.12*	0.028*	3.4	20.6	103	69	*Exceeded holding time.
2009	8	24	7:30 AM												
2009	8	10	9:30 AM												
2009	7	6	9:30 AM	<0.02	<0.02		0.149	0.82	0.053	0.022	4.7	49.5	181	165	
2009	6	1	1:00 PM	<0.02	0.05		0.128	0.48	0.075	0.034	7.8	60.3	142	204	
2009	4	27	1:30 PM	<0.02	0.05		0.206	0.96	0.104	0.017	7.5	77.4	201	88	
2009	3	23	2:30 PM	<0.02	<0.02		<0.015	0.72	0.105	0.015	11.9	133.4	169	105	

2009	2	17	3:00 PM	<0.02	0.13		0.041	0.82	0.109	0.041	14.9	67.8	172	43	
2009	1	20	1:30 PM												
2009	1	5	2:00 PM	<0.02	<0.02		<0.015	0.5	0.083	0.02	102.4	14.8	324	112	
2008	12	1	1:30 PM	<0.02	<0.02		<0.015	1.82	0.559	0.394	12.8	14.3	202	149	
2008	10	27	2:30 PM	<0.02	<0.02		<0.015	0.92	0.093	0.014	46.7	49.5	197	88	
2008	9	22	3:00 PM	<0.02	0.06		0.229	1.04	0.131	0.032	24.7	26.9	105	56	
2008	8	11	1:30 PM	<0.02	0.49		0.239	<0.11	0.326	0.067	12.3	31.9	106	98	High flow
2008	7	29	7:30 AM											93	
2008	7	7	2:00 PM	<0.02	0.19		0.045	<0.11	0.088	0.023	72.9	55	151	121	
2008	6	23	9:15 AM												Elevated flow
2008	6	2	2:00 PM	<0.02	0.16		0.075	0.2	0.131	0.073	4.5	19.1	38	63	High flow
2005	5	24	3:30 PM	<0.02	0.05		<0.015	0.38	0.023	0.008	107.8	101.7	160.9	100	DO was 4.27 PB
2005	4	18	3:30 PM	<0.02	0.05		<0.015	<0.11	0.044	0.006	34.5	73.1	111.2		
2005	3	14	3:30 PM	<0.02	0.05		<0.015	<0.11	0.054	0.008	44.4	111.6	146.7	43	
2005	2	7	4:00 PM	<0.02	0.15		<0.05	0.51	0.149	0.025	6.4	48.5	60.1	33	
2005	1	10	11:30 AM	<0.02	0.33		0.036	0.11	0.058	0.016	14.1	50.4	65.5	43	
2004	11	29	4:00 PM	<0.02	0.18		<0.015	0.55	0.098	0.021	12.4	42.8	63.3	43	
2004	10	25	3:30 PM	<0.02	0.04		<0.015	<0.11	0.069	0.013	101.2	7.4	109.6	99	DO was 2.51 PB
2004	9	20	3:30 PM	<0.02	<0.02		<0.015	0.58	0.072	0.014	123.6	8.1	118.5	88	DO was 1.94 PB
2004	8	16	4:00 PM	<0.02	0.07		<0.015	0.72	0.077	0.051	138.1	22.8	110.4	78	DO was 3.85 PB
2004	7	12	12:00 PM	<0.02	0.23		0.054	0.27	0.098	0.061	21.8	46.1	84.3	77	
2004	6	14	3:30 PM	0.12	0.29		0.185	0.57	0.176	0.059	13.6	42.6	74.1	71	
2004	5	3	4:00 PM	<0.02	0.16		0.061	0.382	0.105	0.026	13.9	62.9	93.7	71	
2004	3	29	2:30 PM	<0.02	0.2		0.064	<0.11	0.132	0.046	10.6	98.1	114.5	48	
2004	2	23	4:00 PM	<0.02	0.04		0.048	0.274	0.081	0.032	13.2	87.9	98.6	36	
2004	1	21	1:00 PM	<0.02	0.3		0.052	0.535	0.086	0.042	6.8	42.8	54.4	44	
2003	12	15	4:30 PM	<0.02	0.03		0.016	0.499	0.136	0.045	15.8	29.9	68.9	93	
2003	11	3	3:30 PM	<0.02	<0.02		0.027	0.756	0.125	0.031	13.1	12.8	77.3	84	DO was 0.68 PB
2003	9	29	2:30 PM	<0.02	0.08		0.042	0.674	0.104	0.014	13.2	29.4	117.2	91	*Exceeded holding time. DO was 3.54 PB

2003	8	25	2:00 PM	0.12*	0.09*		0.11	0.816	0.084	0.015	3.9	12.9	116.6	109	*Exceeded holding time. DO was 5.1 PB
2003	7	23	8:30 AM											88	DO was 1.99 PB
2003	7	14	10:00 AM												
1998	5	21	1:45 PM												

IR WBID OK120410010030_00				OCC WBID OK120410-01-0030D				Pecan Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee						
Sampling Location: Latitude 35.7842 Longitude -95.4497 (PEC-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	30	1:15 PM	13.059	15.2	7.3	9.47 R				<10	220	36	287.5
2015	2	24	1:30 PM	1.828	4.8	6.25	12.56 R				<10	250	23.3	293.8
2015	1	21	1:00 PM	1.707	5.4	7.81	10.65 R				<10	250	37.6	365.9
2014	12	8	2:30 PM	0.2	11.4	7.15	11.4 R				<10	190	25.5	275.1
2014	11	4	12:00 PM		12.7	7.51	5.37 R				16	170	33.7	249.6
2014	10	6	1:00 PM	0.1	22.2	7.91	6.56 R				<10	170	15	293.8
2014	9	2	2:00 PM	18.514	23.6	7.57	5.95 R		>5,000		140	150	202	210
2014	8	5	12:45 PM	0.1					<10				27	
2014	7	30	12:15 PM	0.1	25.5	7.53	5.5 PT		40		19	230	29.5	306.3
2014	7	25	10:05 AM	0.1										
2014	6	23	12:30 PM		26	7.22	4.3 R		30		19	190	33.4	293.2
2014	5	19	2:15 PM	2.121	23	7.18	7.11 R		80		<10	200	33.7	264.9
2014	4	14	1:45 PM	13.753	16	7.37	6.18 R				<10	220	28	295.6
2014	3	10	1:30 PM	12.577	10.1		10.32 R				<10	520	16.4	728
2014	2	3	12:00 PM		2.2	7.21	12.34 R				<10	280	35.1	389.7
2014	1	6	11:30 AM		1.8	6.97	9.89 R				<10	220	51.7	265.3

2013	11	12	1:20 PM	0.2	9.4	7.69	4.07 R							9.72	258.7
2013	10	7	12:20 PM	0	16.5	7.67	6.58 PT					<10	190	15.7	326.7
2013	9	3	12:00 PM	0	28.4	8.18	6.58 PT			10		<10	169	27.6	167.6
2013	8	13	10:30 AM							90					
2013	7	29	11:30 AM	0.032	26.9	7.94	3.74 R			55		13	150	25.5	222
2013	7	2	8:00 AM		26.7	8.01	5.5 R							44.5	240.5
2013	6	24	11:45 AM	0.799	29.6	7.6	4.77 R			10*		15	153	36.8	203.8
2013	5	20	10:45 AM	8.11	23.9	7.35	3.42 R			95		<10	191	39.1	255.7

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	30	1:15 PM	<0.02	0.11			1.2	0.09	0.034	12.4	56.6	140	69	
2015	2	24	1:30 PM	<0.02	0.06			0.74	0.058	0.021	16.1	91.6	243	101	
2015	1	21	1:00 PM	<0.02	0.18			0.21	0.075	0.031	13.8	83.3	190	69	
2014	12	8	2:30 PM	<0.02	0.02			1.01	0.167	0.108	14	43	167	63	
2014	11	4	12:00 PM	<0.02	0.05			1.03	0.423	0.35	8.3	26	170	78	Slightly elevated.
2014	10	6	1:00 PM	<0.02	<0.02			0.59		0.015	8.3	32.2	112	100	
2014	9	2	2:00 PM	<0.02	0.19		0.033	1.14	0.448	0.32	7	24.4	108	76	
2014	8	5	12:45 PM												
2014	7	30	12:15 PM	<0.02	0.02		0.058	0.9	0.088	0.036	12.2	41.2	195	132	
2014	7	25	10:05 AM												
2014	6	23	12:30 PM	0.02	0.27		0.066	1	0.118	0.064	9.4	42.3	158	83	Slightly elevated.
2014	5	19	2:15 PM	0.03	0.19			1.17	0.123	0.058	10.2	50.7	139	70	
2014	4	14	1:45 PM	<0.02	0.05			1.18	0.081	0.022	12.9	61.4	269	65	
2014	3	10	1:30 PM	<0.02	0.16			0.61	0.051	0.011	21.4	242.2	301	113	
2014	2	3	12:00 PM	<0.02	<0.02			0.9	0.099	0.018	18	98.3	204	72	Base flow.

2014	1	6	11:30 AM	<0.02	0.58			0.92	0.118	0.043	10.2	57.5	174	77	Base flow.
2013	11	12	1:20 PM										147	90	
2013	10	7	12:20 PM	<0.02	<0.02			0.9	0.092	0.013	9.3	49.8	124	169	
2013	9	3	12:00 PM	<0.02	<0.02		<0.015	0.88	0.097	0.024	5.7	22.1	176	78	
2013	8	13	10:30 AM												Elevated flow.
2013	7	29	11:30 AM	<0.02	<0.02		0.038	0.81	0.132	0.07	6.8	17.9	108	90	
2013	7	2	8:00 AM										91	89	
2013	6	24	11:45 AM	<0.02	0.21		0.025	0.92	0.147	0.053	8.1	28.1	103	81	*Exceeded hold time.
2013	5	20	10:45 AM	<0.02	0.24			1.16	0.112	0.052	8.6	46.2	94	71	

IR WBID OK120410010080_00				INCOG WBID Highway 104 Bridge				Arkansas River			
Sampling Agency: INCOG								County: Muskogee			
Sampling Location: Latitude 35.822683 Longitude -95.639472 (ARK-1) (Hwy 104 Bridge, Haskell)											
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	TDS (mg/L)	Comments	
2011	9	7	2:10 PM	8.98	24.36	11.37	136.9	1,986	1,080		
2011	8	1	1:50 PM	9.05	34.45	10.80	155.0	2,138	1,120		
2011	6	9	1:40 PM	8.81	29.56	8.20	108.6	2,287	1,220		
2011	5	9	2:35 PM	8.95	26.58	10.51	131.9	2,559	1,360		
2011	3	10	2:30 PM	8.55	10.56	13.74	124.3	1,961	1,190		
2011	1	25	2:55 PM	8.24	6.28	15.01	122.9	2,265	1,260	TDS analyzed outside hold time.	
2010	12	15	2:25 PM	8.34	4.41	14.24	110.8	2,380	866		
2010	11	15	2:25 PM	8.57	12.49	13.03	122.5	822	461		
2010	10	7	2:38 PM	8.60	22.59	10.87	125.5	1,389	708		
2010	9	22	2:45 PM	8.70	27.98	9.91	126.7	1,429	660		
2010	8	5	2:25 PM	8.83	31.76	10.98	150.3	1,142	254		
2010	6	23	4:05 PM	8.04	29.38	7.38	96.2	761	471		

IR WBID OK120410010100_00				OCC WBID OK120410-01-0100T				Cloud Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Muskogee						
Sampling Location: Latitude 35.7402222 Longitude -95.61316667 (CLO-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	30	12:30 PM	30	15.3	7.44	9.8 R				<10	260	26.4	400.9
2015	2	24	12:45 PM		2.5	7.61	12.92 R				<10	270	15.4	454.5
2015	1	21	12:00 PM	0.5	4.4	7.72	11.79 R				<10	240	24.8	392.1
2015	1	16	10:45 AM											
2014	12	9	10:45 AM	0	7.9	8.63	7.45 PT				<10	200	19.4	313.9
2014	11	4	11:00 AM	0.1	13.1	7.74	6.5 PT				15	180	45.4	300.5
2014	10	6	12:00 PM	0.1	17.9	7.72	6.28 PT				<10	150	17.5	270.3
2014	9	2	1:15 PM		22	7.49	6.53 PT		>5,000		1,100	140	>1,000	122.8
2014	8	5	1:15 PM	0					<10				16.6	
2014	7	30	11:30 AM	0.1	25.6	7.63	7.93 PT		40		<10	210	7.65	400.6
2014	7	25	10:15 AM	0.1										
2014	6	23	12:00 PM		23	7.51	8.79 R		>5,000		310	130	369	131.7
2014	5	19	1:15 PM	24.268	21.4	7.57	9.76 R		160		<10	210	31	305.7
2014	4	14	12:45 PM		14.7	7.67	7.2 R				<10	230	35.4	361.1
2014	3	10	12:15 PM	22.686	8.7	7.15	12.06 R				<10	330	24.9	489.3
2014	2	3	11:15 AM		1.5	7.95	12 R				<10	250	19.5	402.7
2014	1	6	10:45 AM		0	7.12	12.72 PT				<10	220	36.7	304.5
2013	11	13	1:05 PM	0.1	8.7	7.53	10.09 R				<10	190	25	280.3
2013	10	7	11:30 AM	0	16.4	7.55	5.18 PT				<10	140	12.8	224
2013	9	3	11:35 AM	0	25.2	7.78	3.16 PT		10		27	186	20.3	273.3
2013	8	13	11:00 AM						560					

2013	8	1	7:00 AM	0.3	27.1	8.45	4.68 R						14.7	280.8
2013	7	29	11:00 AM	0.023	25.9	7.89	5.89 R		35		<10	167	9.89	279.3
2013	6	24	11:00 AM	2.807	28.1	7.62	6.04 R		55*		11	182	34.3	139.1
2013	5	20	10:00 AM	10.967	23.2	7.77	5.95 R		40*		11	235	25.6	308.6
2010	5	4	7:00 AM	2.541	15.9	7.49	5.89 R		20	10			4.73	764
2010	3	22	8:00 AM		2.5	6.96	13.96 R						58	241.1
2010	2	16	8:00 AM	3.774	1.1	7.39	13.27 R						28	241.3
2010	1	11	8:00 AM	3.067	0.7	6.71	12.62 R						35.8	
2009	11	30	7:00 AM	0.988	7.5	7.01	9.33 R				<10	257	46.7	393.1
2009	10	19	10:30 AM		13.5	6.6	9.11 R				<10	81	40.9	104.7
2009	9	14	7:00 AM	20.631	22	6.6	7.18 R		100	80	38	95	47.5	115.7
2009	8	24	7:00 AM	0										
2009	8	10	10:00 AM	0	27.9	7.12	4.25 PT		220	<10	23	294	25.2	457.3
2009	7	6	10:30 AM	0	24.1	6.56	4.75 PT		<10	<10	<10	782	3.78	1,146
2009	6	1	10:00 AM	1.251	24.8	6.77	6.12 R		<10	<10	18	351	5.27	455
2009	4	27	10:00 AM		19.9	7.48	6.57 R		1,240	120	<10	283	82.4	385.2
2009	3	23	11:00 AM	1.154	16.4	7.16	6.94 R				<10	780	6.83	844
2009	2	17	10:30 AM	21.168	8.1	7.02	9.38 R				<10	194	40.9	261
2009	1	5	10:30 AM	0	2.9	7.39	9.71 PT				<10	860	2.69	712
2008	12	1	10:00 AM	0.749	5.7	7.23	6.71 R				<10	256	7.89	302.1
2008	10	27	10:45 AM	0.41	11.2	7.9	9.19 R				<10	981	4.29	736
2008	9	22	10:45 AM	0	23.4	7.59	6.01 PT		10	5	<10	184	23.1	318.2
2008	9	8	7:30 AM	0.01	24.1		5.6 R						29.5	358.9
2008	8	11	10:00 AM		24.5	6.95	5.93 R		>2,000	>2,000	406	177	336.1	170.4
2008	8	5	9:30 AM	0										
2008	7	7	10:00 AM		28.6	7.04	5.12 R		220	10	<10	182	32.3	313.6
2008	6	23	8:30 AM						80	200				
2008	6	2	9:30 AM		23.5	6.89	5.67 R		2,700	1,200	138	138	205	209.8
2005	5	24	10:00 AM	1.196	25.3	7.46	5.48 R		70	30	30	381		7,370
2005	4	18	10:30 AM	12.726	18.4	7.56	7.58 R		65	45	42	237	28.6	459.9

2005	3	14	10:30 AM	21.09	9.9		8.39 R					<10	293	8.28	419.7	
2005	2	7	10:30 AM		8.3	8.18	10.05 R						228	267	346.6	
2005	1	3	11:00 AM	3,953	14	7.02							2,603	357	121.8	
2004	11	29	11:00 AM	36.153	8.9	8.63	9.61 R						12		51.3	217.5
2004	10	25	10:30 AM	0	18.7	8.02	2.88 PT			30	<10		24	183	13.5	288
2004	9	20	10:00 AM	0	22.5	7.97	3.9 PT			125	50		59	212	38.7	360.9
2004	8	16	10:00 AM	0.483	23	7.73	4.9 R			130	100		33	211	29.8	354.6
2004	7	12	10:00 AM	0	27.4	7.82	4.4 PT			170	320		29	88	41.9	1,357
2004	6	1	10:00 AM	8.157	26.5	7.66	4.8 R			60	60		26	221	42.2	400.1
2004	5	3	10:15 AM	16.214	15.1	8	7.13 R			205	345		33	182	39	277
2004	3	29	9:30 AM	0	14.9	7.76	6.33 PT						48	193	56.1	368.4
2004	2	23	11:00 AM	2.262	10.4	7.39	7.36 R						26	240	29.9	308.7
2004	1	20	10:30 AM	4.534	1.9	7.4	11.7 RI						23	274	65	
2003	12	15	11:00 AM	3.34	5.7	5.79	9.32 RI						<10	205	17.1	385.6
2003	11	3	10:30 AM	0.518	19.3	7.9	4.13 RI						29	173	19.4	322.1
2003	9	30	10:30 AM	0.988	17.3	7.95	5.99 RI			80	60		49*	165*	59.2	239.1
2003	8	25	10:00 AM	0	28.4	8.16	4.05 PT			250	20		56*	209*	39	441.1
2003	7	21	9:30 AM	0	27.2	7.88	3.03 PT			190	220		52*	245*	57.1	437.3
2003	7	10	2:30 PM	0												

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	30	12:30 PM	<0.02	0.09		0.92	0.078	0.029	49	51.2	132	70	
2015	2	24	12:45 PM	<0.02	<0.02		0.58	0.037	0.014	54	65	305	64	Base flow.
2015	1	21	12:00 PM	<0.02	0.05		0.64	0.06	0.023	45.5	51.3	239	60	
2015	1	16	10:45 AM											Base flow.
2014	12	9	10:45 AM	<0.02	0.03		0.82	0.093	0.051	25.1	39.6	144	61	

2014	11	4	11:00 AM	<0.02	0.08		0.66	0.117	0.074	25.9	24.6	188	64	
2014	10	6	12:00 PM	<0.02	<0.02		0.38	0.04	0.017	16.3	23.5	105	86	
2014	9	2	1:15 PM	<0.02	0.46	0.108	3.1	0.916	0.326	10	11.2	77	34	High flow.
2014	8	5	1:15 PM											
2014	7	30	11:30 AM	<0.02	<0.02	<0.015	0.59	0.034	0.007	42.3	28.9	177	91	
2014	7	25	10:15 AM											
2014	6	23	12:00 PM	0.03	0.42	0.114	2.03	0.464	0.236	8.4	8.9	65	47	Elevated.
2014	5	19	1:15 PM	0.03	0.31		0.81	0.08	0.029	27.1	52.9	123	59	
2014	4	14	12:45 PM	<0.02	<0.02		0.74	0.067	0.014	40.5	49.6	175	58	Elevated.
2014	3	10	12:15 PM	<0.02	0.06		0.62	0.062	0.011	59.1	95	182	59	
2014	2	3	11:15 AM	<0.02	<0.02		0.55	0.044	0.009	54.6	48.7	206	68	Base flow.
2014	1	6	10:45 AM	<0.02	0.3		0.67	0.089	0.043	38.3	35.6	201	55	
2013	11	13	1:05 PM	<0.02	0.19		0.63	0.096	0.052	38.4	23.9	146	117	
2013	10	7	11:30 AM	<0.02	<0.02		0.42	0.045	0.009	18.1	24.7	147	113	
2013	9	3	11:35 AM	<0.02	<0.02	0.069	0.6	0.067	0.02	20.8	24.1	89	96	
2013	8	13	11:00 AM											Elevated.
2013	8	1	7:00 AM									64	66	
2013	7	29	11:00 AM	<0.02	<0.02	<0.015	0.46	0.034	0.007	26.9	25.5	80	106	
2013	6	24	11:00 AM	<0.02	0.1	<0.015	0.81	0.101	0.029	33.8	23.4	211	72	*Exceeded holding time.
2013	5	20	10:00 AM	<0.02	0.17		0.77	0.058	0.016	51.3	53.8	178	132	*Exceeded holding time.
2010	5	4	7:00 AM	<0.02			<0.11						95	
2010	3	22	8:00 AM	<0.02			1.35						30	High flow.
2010	2	16	8:00 AM	<0.02			0.65						43	
2010	1	11	8:00 AM	<0.02			0.31						49	
2009	11	30	7:00 AM	<0.02	0.17	<0.015	0.6		0.035	33.5	99.6	187	53	
2009	10	19	10:30 AM	<0.02	0.09	0.061*	0.35*	0.092*	0.059*	8.3	11.2	113	51	*Exceeded holding time. High flow.
2009	9	14	7:00 AM	<0.02	0.1	0.066*	0.57*	0.123*	0.044*	12.8	8.6	101	89	*Exceeded holding time.
2009	8	24	7:00 AM											

2009	8	10	10:00 AM	<0.02	0.03	0.033	0.56*	0.113*	0.013	50.5	52.9	106	109	*Exceeded holding time. DO at PB was 3.01.
2009	7	6	10:30 AM	<0.02	<0.02	0.055	0.47	0.037	<0.005	61	430.7	508	178	
2009	6	1	10:00 AM	0.07	0.23	0.116	0.98	0.128	0.055	30.3	191.5	199	264	
2009	4	27	10:00 AM	<0.02	0.2	0.137	1.5	0.147	0.037	33.5	82	169	81	High flow.
2009	3	23	11:00 AM	<0.02	<0.02	<0.015	0.56	0.033	0.011	73.4	365.6	479	137	
2009	2	17	10:30 AM	<0.02	0.22	<0.015	1.02	0.113	0.037	28.1	57.9	168	63	
2009	1	5	10:30 AM	<0.02	<0.02	<0.015	<0.11	0.04	0.009	56.9	429.5	591	109	
2008	12	1	10:00 AM	<0.02	<0.02	0.054	0.35	0.037	0.017	45.5	44.9	204	111	
2008	10	27	10:45 AM	<0.02	<0.02	<0.015	0.24	0.017	<0.005	54.4	431.5	368	183	
2008	9	22	10:45 AM	<0.02	0.04	0.028	0.27	0.049	0.006	29.1	41.2	86	77	DO at PB was 5.6.
2008	9	8	7:30 AM										76	
2008	8	11	10:00 AM	<0.02	0.41	0.057	0.17	0.386	0.009	17.1	21.3	74	42	High flow.
2008	8	5	9:30 AM											
2008	7	7	10:00 AM	<0.02	0.28	<0.015	<0.11	0.07	0.027	33.8	25.6	158	101	High flow.
2008	6	23	8:30 AM											High flow.
2008	6	2	9:30 AM	<0.02	0.16	0.045	0.43	0.228	0.078	26.3	14.1	51.1	137	High flow.
2005	5	24	10:00 AM	<0.02	0.05	<0.015	2.53	0.35	0.009	122.2	45.9	161.2	89	
2005	4	18	10:30 AM	<0.02	0.05	0.026	<0.11	0.033	0.013	60.4	48.1	116.9	82	
2005	3	14	10:30 AM	<0.02	0.08	<0.015	<0.11	0.044	0.006	80.1	59.4	139.1	63	
2005	2	7	10:30 AM	<0.02	0.25	0.019	0.77	0.247	0.04	35.7	40.8	80.4	39	High flow.
2005	1	3	11:00 AM	<0.02	0.28	0.061	<0.11	0.186	0.102	23.4	17.6	44.3	84	
2004	11	29	11:00 AM	<0.02	0.23	<0.015	0.61	0.134	0.037	20.6	21.2	56.9	51	
2004	10	25	10:30 AM	<0.02	<0.02	<0.015	<0.11	0.082	0.016	26	17.4	101.8	141	DO at PB was 2.19
2004	9	20	10:00 AM	<0.02	<0.02	<0.015	0.18	0.108	0.013	34.7	25	104.5	46	DO at PB was 3.57
2004	8	16	10:00 AM	<0.02	<0.02	<0.015	0.28	0.114	0.048	36	27.7	102	86	
2004	7	12	10:00 AM	<0.02	0.17	0.051	0.29	0.179	0.077	11.9	10	41.7	35	DO at PB was 4.13
2004	6	1	10:00 AM	<0.02	0.23	0.054	<0.11	0.145	0.012	52.2	27.9	108.4	88	
2004	5	3	10:15 AM	0.06	0.29	0.042	0.546	0.143	0.029	39.4	25.9	76	50	
2004	3	29	9:30 AM	<0.02	0.13	0.019	0.508	0.124	0.03	39.8	37.3	95.5	34	DO at PB was 5.89

2004	2	23	11:00 AM	<0.02	0.05	0.035	0.351	0.084	0.03	47.5	53.7	104.3	40	
2004	1	20	10:30 AM	<0.02	0.46	0.064	0.776	0.148	0.044	51.2	40.8	84.8	42	
2003	12	15	11:00 AM	<0.02	0.07	0.018	0.15	0.085	0.022	35.3	33.6	103.7	86	
2003	11	3	10:30 AM	<0.02	<0.02	<0.015	0.305	0.092	<0.005	24.1	23.2	101.1	81	
2003	9	30	10:30 AM	0.05	0.17	0.144	0.822	0.083	0.047	17.9	17.9	64.7	49	*Exceeded holding time.
2003	8	25	10:00 AM	0.14*	0.1*	0.141	0.433	0.101	0.031	38.2	26.8	129	117	*Exceeded holding time. DO at PB was 3.95
2003	7	21	9:30 AM	0.02*	0.05*	0.222	0.503	0.174	0.019	40.8	29.8	125.5	96	*Exceeded holding time. DO at PB was 2.65
2003	7	10	2:30 PM											

IR WBID OK120410010110_00	OCC WBID OK120410-01-0110E	Ash Creek
Sampling Agency: Oklahoma Conservation Commission		County: Muskogee
Sampling Location: Latitude 35.7883 Longitude -95.6653 (ASH-1)		

Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	30	11:30 AM	7.622	15.6	7.35	9.86 R			<10	240	23.6	392.1
2015	2	24	11:45 AM	0.944	3.4	7.86	13.28 R			<10	390	16.7	679
2015	1	21	11:15 AM	0.49	4.8	7.75	11.15 R			<10	400	13.9	728.3
2014	12	9	10:15 AM	0.1	9.2	7.81	9.68 R			<10	280	14	444
2014	11	4	10:00 AM	0.1	13.3	7.76	8.8 R			23	250	36.7	404.9
2014	10	6	11:30 AM	0.1	19.7	8.04	7.97 PT			38	250	119	400.3
2014	9	2	12:30 PM	0	23.1	7.88	5.95 PT	>2,500		62	300	74.5	457.3
2014	8	5	1:30 PM	0				<10				40.7	
2014	7	30	11:00 AM	0	26.7	7.69	6.29 PT	200		33	270	47.8	444.5
2014	7	25	9:45 AM	0.1									
2014	6	23	11:15 AM		25.6	7.91	9.19 R	1,600		13	210	24.1	359.7
2014	5	19	12:15 PM	0.352	23.4	8.41	11.3 R	330*		<10	340	15.1	593

2014	4	14	12:00 PM	3.559	14.9	7.77	7.55 R			26	250	59.2	408.4
2014	3	10	11:15 AM	2.078	9.2					<10	470	10.6	797
2014	2	3	10:30 AM		2.4	8.17	14.62 R			<10	270	10.8	461.4
2014	1	6	10:00 AM		0.9	7.23	13.8 R			<10	210	14	356.5
2013	11	13	12:35 PM	0.2	8.9	7.71	11.22 R			10	160	35.7	211.3
2013	10	7	11:00 AM	0	16.1	7.88	5.75 PT			11	250	59.8	341.7
2013	9	3	11:00 AM	0	26.5	7.98	5.17 PT	100		36	280	71.9	375.9
2013	8	13	11:10 AM					>2,500					
2013	7	29	10:30 AM	0	26.5	8.03	5.1 PT	520		40	285	114	408.8
2013	6	24	10:05 AM	0.117	28.7	7.99	7.37 R	380*		18	161	31	258
2013	5	28	7:30 AM	1.322	24	7.7	6.42 R					22.3	339.7
2013	5	20	9:30 AM	3.166	23.4	7.6	6.22 R	320*		<10	332	13.9	576

Year	Month	Date	Time (24 H)	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	30	11:30 AM	<0.02	0.04		1.07	0.07	0.026	42.5	40.3	171	86	
2015	2	24	11:45 AM	<0.02	<0.02		0.52	0.036	0.009	136	59.7	363	97	
2015	1	21	11:15 AM	<0.02	<0.02		0.49	0.033	0.012	142	50.1	340	75	
2014	12	9	10:15 AM	<0.02	<0.02		0.83	0.075	0.037	48.2	43.6	159	101	
2014	11	4	10:00 AM	0.07	0.48		1.02	0.308	0.248	20.4	70.4	233	87	
2014	10	6	11:30 AM	0.05	0.19		1.19	0.798	0.099	18.5	48.1	165	115	
2014	9	2	12:30 PM	<0.02	0.65	0.067	1.53	0.283	0.18	25.9	91	176	105	
2014	8	5	1:30 PM											
2014	7	30	11:00 AM	<0.02	<0.02	<0.015	1.26	0.126	0.016	31.2	41.2	305	145	No flow. Fish carcasses dumped near bridge.
2014	7	25	9:45 AM											
2014	6	23	11:15 AM	<0.02	0.04	<0.015	0.57	0.05	0.011	31.7	32.5	159	99	Slightly elevated
2014	5	19	12:15 PM	<0.02	<0.02		0.57	0.038	0.006	98.9	48.2	190	109	*Exceeded holding time.

2014	4	14	12:00 PM	<0.02	<0.02		0.7	0.091	0.015	47.7	42.5	204	90	
2014	3	10	11:15 AM	<0.02	0.02		0.36	0.029	<0.005	176.2	72.6	259	92	
2014	2	3	10:30 AM	<0.02	0.03		0.44	0.028	<0.005	70.7	51.1	178	83	Base flow
2014	1	6	10:00 AM	<0.02	0.46		0.47	0.033	0.017	44.6	40.6	191	73	Base flow
2013	11	13	12:35 PM	<0.02	0.12		0.57	0.082	0.032	18.2	19.6	148	75	
2013	10	7	11:00 AM	<0.02	0.13		1.09	0.181	0.068	13.4	68.2	153	89	
2013	9	3	11:00 AM	<0.02	<0.02	<0.015	1.04	0.118	0.014	21.9	47.6	167	133	
2013	8	13	11:10 AM											Base flow
2013	7	29	10:30 AM	0.04	0.09	0.062	1.18	0.147	0.027	27	49.9	143	171	
2013	6	24	10:05 AM	0.04	0.08	0.017	0.92	0.102	0.02	21.4	18.2	120	117	*Exceeded holding time.
2013	5	28	7:30 AM										68	Do 7.12 RI and 6.06 PT
2013	5	20	9:30 AM	<0.02	<0.02		0.59	0.04	0.007	122.9	36.9	176	80	*Exceeded holding time.

IR WBID OK120410010200_00				OCC WBID OK120410-01-0200M				Broken Arrow Creek						
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa						
Sampling Location: Latitude 36.01741667 Longitude -95.75844444 (BAC-2)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
1997	1	8	10:45 AM											
1996	11	19	12:20 PM	1.266										
1996	11	5	1:00 PM											

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
1997	1	8	10:45 AM												Base flow.

1996	11	19	12:20 PM																		
1996	11	5	1:00 PM																		Base flow.

IR WBID OK120410010200_00				INCOG WBID RMBAC				Broken Arrow Creek			
Sampling Agency: INCOG								County: Tulsa			
Sampling Location: Latitude 35.973813 Longitude -95.777651 (BAC-1) (131st St. Bridge)											
Year	Month	Date	Time	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Conductivity (mmhos/cm)	E. coli (cfu/100 ml)	Comments
2013	9	18	1:40 PM	None	7.58	26.58	92.9	7.44	375	5.2	
2013	9	4	1:25 PM	None	7.57	26.67	114	9.13	385	84	
2013	8	20	1:55 PM	None	7.60	26.80	108.6	8.67	467	190	
2013	7	17	1:50 PM	None	7.53	28.32	89.6	6.98	335	490	
2013	6	18	2:10 PM	None	7.75	24.93	96.0	7.94	604	610	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early on 6/17/13. Tulsa International Airport - 0.70" early on 6/17/13.
2012	11	15	2:15 PM	None	7.75	24.93	96.0	7.94	604	610	
2012	10	24	2:10 PM	None	7.54	22.52	95.7	8.27	365	37	

IR WBID OK120410010210_00				OCC WBID OK120410-01-0210G				Haikey Creek						
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa						
Sampling Location: Latitude 35.98833333 Longitude -95.85166667 (HAI-2)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2018	9	4	6:00 PM		27									
2018	2	12	3:30 PM		3									

2017	3	14	3:00 PM		10									
2016	8	17	3:00 PM		29									
2016	1	30	1:00 PM		9									
2015	9	14	12:30 PM		22									
2013	7	10	12:30 PM		31									
2013	3	14	1:35 PM		12									
2012	7	24	11:00 AM	0.9	24									
2010	1	13	9:37 AM		1									
2009	1	16	2:31 PM	2.05	4									
2008	8	26	2:40 PM		28									
2008	3	11	8:33 AM	6.32	7									
2008	2	1	9:52 AM		2.5									
2007	7	25	8:45 AM	6.01	26									
2007	1	9	1:50 PM	3.71	7									
2005	7	13	10:02 AM	1.45										
2005	1	27	10:14 AM	4.62										
2004	9	16	9:30 AM						110					
2004	7	15	9:48 AM	6.07										
2004	1	29	2:44 PM	11.658										
2003	9	25	10:00 AM						229					
2003	8	21	9:30 AM						435					
2003	7	24	9:00 AM						580					
2003	7	14	1:10 PM	2.88										
2003	6	26	10:10 AM						>2,400					
2003	6	26	8:00 AM						>2,400					
2003	1	3	2:00 PM	7.01										
2002	9	19	9:20 AM						>2,419					
2002	8	26	9:45 AM	6.63										
2002	8	22	9:20 AM						109					
2002	7	18	10:30 AM						205					

2002	7	17	10:45 AM	1.67										
2002	6	20	9:25 AM						517					
2002	5	23	9:08 AM						345					
2002	1	16	12:35 PM	1.32										
2001	9	21	8:30 AM						11					
2001	8	26	8:10 AM						37					
2001	7	18	9:45 AM	1.99					58					
2001	6	28	8:45 AM						870					
2001	1	23	11:00 AM	21.24										
2000	9	21	10:25 AM						68					
2000	7	27	8:15 AM						>2,400					
2000	6	29	5:55 AM						>2,400					
2000	5	24	8:05 AM						330					
2000	1	5	12:00 PM	4.3										
1999	8	26	8:00 AM						120					
1999	7	29	8:15 AM						65					
1999	7	22	10:30 AM	1.027										
1999	6	24	1:00 AM						>2,400					
1999	5	26	8:10 AM						>2,400					
1999	1	14	1:25 PM	4.506										
1998	8	27	8:30 AM					8						
1998	7	27	2:00 PM	0.164										
1998	7	23	8:55 AM					390						
1998	6	18	8:35 AM					220						
1998	5	21	1:00 AM											
1998	1	30	3:30 PM											
1997	10	31	1:00 AM					154	100					
1997	9	22	8:35 AM					<6,000						
1997	8	18	1:00 AM					0.26						
1997	8	4	11:15 AM											

1997	7	29	1:00 AM						0.255						
1997	7	28	1:00 AM						0.14						
1997	1	22	11:30 AM												
1996	10	16	2:00 PM												
1996	9	13	11:50 AM												
1996	8	23	1:50 PM	0.141											

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ / NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2018	9	4	6:00 PM												Low flow.
2018	2	12	3:30 PM												Low flow.
2017	3	14	3:00 PM												Base flow.
2016	8	17	3:00 PM												Low flow.
2016	1	30	1:00 PM												Base flow.
2015	9	14	12:30 PM												Base flow.
2013	7	10	12:30 PM												Low flow.
2013	3	14	1:35 PM												Base flow.
2012	7	24	11:00 AM												
2010	1	13	9:37 AM												Base flow.
2009	1	16	2:31 PM												
2008	8	26	2:40 PM												Base flow.
2008	3	11	8:33 AM												
2008	2	1	9:52 AM												Flow slightly elevated.
2007	7	25	8:45 AM												
2007	1	9	1:50 PM												
2005	7	13	10:02 AM												Low flow.
2005	1	27	10:14 AM												Base flow.
2004	9	16	9:30 AM												

2004	7	15	9:48 AM																
2004	1	29	2:44 PM																
2003	9	25	10:00 AM																
2003	8	21	9:30 AM																
2003	7	24	9:00 AM																
2003	7	14	1:10 PM																
2003	6	26	10:10 AM																
2003	6	26	8:00 AM																
2003	1	3	2:00 PM																
2002	9	19	9:20 AM																
2002	8	26	9:45 AM																
2002	8	22	9:20 AM																
2002	7	18	10:30 AM																
2002	7	17	10:45 AM																
2002	6	20	9:25 AM																
2002	5	23	9:08 AM																
2002	1	16	12:35 PM																
2001	9	21	8:30 AM																
2001	8	26	8:10 AM																
2001	7	18	9:45 AM																
2001	6	28	8:45 AM																
2001	1	23	11:00 AM																
2000	9	21	10:25 AM																
2000	7	27	8:15 AM																
2000	6	29	5:55 AM																
2000	5	24	8:05 AM																
2000	1	5	12:00 PM																
1999	8	26	8:00 AM																
1999	7	29	8:15 AM																
1999	7	22	10:30 AM																

1999	6	24	1:00 AM													
1999	5	26	8:10 AM													
1999	1	14	1:25 PM													
1998	8	27	8:30 AM													
1998	7	27	2:00 PM													
1998	7	23	8:55 AM													
1998	6	18	8:35 AM													
1998	5	21	1:00 AM													
1998	1	30	3:30 PM													Base flow.
1997	10	31	1:00 AM													
1997	9	22	8:35 AM													
1997	8	18	1:00 AM													High flow.
1997	8	4	11:15 AM													Base flow.
1997	7	29	1:00 AM													High flow.
1997	7	28	1:00 AM													
1997	1	22	11:30 AM													Base flow.
1996	10	16	2:00 PM													Base flow.
1996	9	13	11:50 AM													Low flow.
1996	8	23	1:50 PM													

IR WBID OK120410010210_00				INCOG WBID RMHC					Haikey Creek				
Sampling Agency: INCOG								County: Tulsa					
Sampling Location: Latitude 35.960458 Longitude -95.832907 (HAI-1) (S. Olive St. Bridge)													
Year	Month	Date	Time	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Conductivity (mmhos/cm)	Enterococcus (cfu/100 ml)	E. coli (cfu/100 ml)	Comments	
2013	9	18	1:15 PM	None	7.70	26.27	94.8	7.64	515		16		

2013	9	4	1:05 PM	None	7.75	27.80	112	8.78	448		35	
2013	8	20	1:40 PM	None	7.54	30.52	98.1	7.35	321		120	Water level is up, but no runoff evidence for samples collected on 8/20/13.
2013	7	17	1:20 PM	None	7.50	29.66	78.4	5.96	273		1,600	
2013	6	18	1:50 PM	None	7.63	26.06	91.6	7.42	220		770	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early on 6/17/13. Tulsa International Airport - 0.70" early on 6/17/13.
2012	11	15	2:00 PM	None	7.32	10.35	87.0	9.28	304	45		
2012	10	24	1:50 PM	None	7.64	22.83	91.2	7.84	429		8.5	

IR WBID OK120410010220_00				OCC WBID OK120410-01-0220G				Snake Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Tulsa						
Sampling Location: Latitude 35.88598333 Longitude -95.8724 (SNA-2)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	30	10:00 AM	27.64	14.1	7.06	8.35 R				<10	250	42.6	313.9
2015	2	24	10:30 AM	1.225	2	7.89	12.52 R				<10	760	6.96	1,446
2015	1	21	9:15 AM	0.65	2.8	7.74	11.97 R				<10	620	10.6	1,175
2015	1	12	11:15 AM											
2014	12	9	9:30 AM		4.9	7.6	4.67 PT				<10	310	4.32	507.4
2014	11	4	9:00 AM	0.1	12.8	7.73	6.44 R				24	210	26.6	277.2
2014	10	6	10:15 AM	0	16.5	7.63	5.33 PT				73	390	266	351.2
2014	9	2	10:45 AM	0	23.3	7.8	5.13 PT		720		260	330	270	436.2
2014	8	5	2:15 PM	0					<10				18.6	
2014	7	30	10:30 AM	0	25.2	7.97	8.15 PT		40		<10	250	10.5	429.4
2014	7	25	9:00 AM	0.1										
2014	6	23	10:15 AM	0.629	25.5	7.77	7.4 R		100		12	240	44.3	394.9

2014	5	19	11:00 AM	1.902	19.8	7.82	9.28 R		30*		<10	280	21.8	477.2
2014	4	14	10:00 AM	10.086	16.5	7.63	7.57 R				<10	260	18.9	451.8
2014	3	10	10:00 AM	4.854	6.1		11.57 R				11	390	17	671
2014	2	3	9:45 AM		0.5	7.93	14.27 R				<10	240	18	437.8
2014	1	22	10:30 AM											
2014	1	6	9:15 AM		0.2	6.87	13.31 R				<10	210	25	326.8
2013	11	13	11:40 AM	2.503	8.1	7.69	11.9 R				<10	210	50.7	279.1
2013	10	7	12:00 AM		13.6	7.63	6.77 PT				<10	250	22.7	345.4
2013	9	3	10:15 AM	0	23	7.89	4.63 PT		30		12	250	61.1	321.6
2013	8	13	11:40 AM						1,200					
2013	7	29	9:50 AM	0.064	25.8	8.06	5.96 R		120		20	220	46.8	321.4
2013	7	2	2:00 PM	0.032	28.8	8.1	7.35 R						23.7	390
2013	6	24	9:20 AM	0.648	28	7.8	3.96 R		75*		14	214	36.4	330
2013	5	29	7:20 AM	11.895	23.8	7.94	6.39 R						21.2	327.6
2013	5	20	8:30 AM	30.994	22.9	7.55	6.29 R		80*		14	234	30.5	348.1
2010	5	4	12:00 PM	8.657	20.5	7.8	8.31 R		40	10			11.3	478
2010	3	22	12:30 PM		4.3	7.52	13.17 R						92.1	217.4
2010	3	3	12:30 PM											
2010	2	16	1:30 PM	39.424	3.2	7.66	12.6 R						20.9	348.2
2010	1	11	12:30 PM	47.39	0.4	7.22	13.49 R						19.5	
2009	11	30	12:00 PM	15.048	9.3	7.64	10.61 R				<10	248	12.8	330.1
2009	10	19	12:00 PM	15.994	13.2	7.25	9.63 R				<10	172	24.8	283.9
2009	9	14	11:30 AM	27.618	21.9	7.2	5.72 R		320	200	47	158	75.2	182.6
2009	8	10	11:30 AM	0.867	28.6	7.65	6.52 R		10	<10	16	220	26.4	320.1
2009	7	14	10:00 AM											
2009	7	6	12:00 PM	1.848	27.4	7.37	5.67 R		<10	10	12	260	12.5	453.9
2009	6	1	9:00 AM	8.621	23.7	7.46	7.12 R		170	10	<10	254	16.4	474.2
2009	4	27	8:30 AM	31.87	21.4	7.75	6.36 R		280	100	19	223	36.4	360.1
2009	3	23	9:30 AM	8.96	15.5	7.5	8.84 R				<10	735	13.9	441.2
2009	2	17	9:00 AM	27.756	7.5	6.99	10.11 R				<10	187	38	288.9

2009	1	20	9:30 AM											
2009	1	5	9:30 AM	11.643	3.8	7.64	11.11 R				<10	298	26.5	315.9
2008	12	1	9:00 AM	4.696	5.2	7.53	10.05 R				<10	314	9.02	603
2008	10	27	9:30 AM	10.628	9	7.54	9.1 R				<10	272	15.1	476.3
2008	9	22	9:30 AM	0	21	7.58	6.65 PT		220	100	<10	186	30.4	298.5
2008	8	11	8:30 AM	13.492	25	7.05	4.72 R		80	1,120	22	205	68.9	286.1
2008	8	5	8:30 AM											
2008	7	30	9:01 AM		28.3	7.18	4.83 R						10.2	540
2008	7	7	9:00 AM		27.5	7.16	5.18 R		130	<10	14	166	59.4	256.1
2008	6	23	7:45 AM						100	40				
2008	6	2	8:30 AM		22.5	7.08	4.26 R		4,800	1,800	166	114	169	121.4
2005	5	24	9:00 AM	4.773	24.8	7.45	5.43 RI		210	80	35	252		430.7
2005	4	18	9:00 AM	15.519	18.6	7.56	8.1 R		70	55	26	190	20.2	336.1
2005	3	14	9:30 AM	10.828	10.7		9.51 R				22	197	21.2	291.1
2005	2	17	2:30 AM											
2005	2	7	9:00 AM	126.74	8.1	8.37	10.19 R				253	169		233.5
2005	1	3	9:30 AM	32.878	12.1	8.72					217	204	204	38604
2004	11	29	9:15 AM	16.941	8.5	7.45	10.27 RI				14	163	46.1	269.1
2004	10	25	9:30 AM	0.183	18.8	8.31	6.95 R		20	70	28	241	23.4	352.5
2004	9	20	9:00 AM	0	21.2	8.37	3.92 PT		5	10	32	331	30.2	576
2004	8	16	9:00 AM	1.056	22.1	7.87	7.01 R		20	<10	43	322	31.5	528
2004	7	12	8:45 AM	8.544	26.8	7.87	4.89 R		140	210	31	214	55.2	820.6
2004	6	17	3:00 PM											
2004	6	14	9:00 AM	0.59	25.6	7.9	4.67 R		10	125	17	499	31.1	907
2004	5	3	9:00 AM	15.798	15.8	8.01	8.5 R		35	190	22	204	36.6	303.4
2004	3	29	8:00 AM	68.172	15	7.85	8.13 R				156	206	131	320.5
2004	2	23	9:45 AM	6.077	9.6	8.01	10.61 RI				21	283	21.4	388.5
2004	1	20	9:00 AM	28.483	2.8	7.42	12.5 RI				16	198	112	253.6
2004	1	13	9:30 AM											
2003	12	15	9:30 AM	23.844	4.3	5.45	12.98 RI				17	269	49.9	464.1

2003	11	3	9:00 AM	1.321	18.2	7.8	5.42 RI				55	215	6.6	369.1
2003	9	30	9:30 AM	1.062	16	7.99	8.25 RI		50	90	89*	161*	63.7	276.4
2003	8	25	9:00 AM	0	25.8	8.48	5.27 PT		<10	10	30*	323*	37.7	622
2003	8	19	9:15 AM	0	27	7.8	3.46 PT						41.9	378.9
2003	7	21	8:30:00	0	26.6	8.06	3.95 PT		190	430	11*	437*	36.6	768
2003	7	10	12:40:00											
1997	10	6	15:00:00	1										

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	30	10:00 AM	<0.02	0.06		0.78	0.095	0.039	59.4	26.7	134	64	
2015	2	24	10:30 AM	<0.02	<0.02		0.38	0.022	0.009	408	33.4	423	51	
2015	1	21	9:15 AM	<0.02	<0.02		<0.11	0.029	0.008	322	29.2	405	64	
2015	1	12	11:15 AM											Base flow.
2014	12	9	9:30 AM	<0.02	<0.02		0.95	0.139	0.076	18.9	95.6	235	156	
2014	11	4	9:00 AM	<0.02	0.07		0.54	0.127	0.084	15.5	53.1	201	68	
2014	10	6	10:15 AM	0.06	0.52		1.36	0.263	0.109	17.6	100	166	50	
2014	9	2	10:45 AM	<0.02	0.57	0.115	2.08	0.216	0.055	55.9	53	150	27	
2014	8	5	2:15 PM											
2014	7	30	10:30 AM	<0.02	<0.02	0.022	0.9	0.037	<0.005	72.3	22.2	169	73	
2014	7	25	9:00 AM											
2014	6	23	10:15 AM	<0.02	<0.02	<0.015	0.83	0.075	0.019	62.3	16.8	144	83	
2014	5	19	11:00 AM	<0.02	<0.02		0.57	0.045	0.01	94.4	20.5	140	82	*Exceeded hold time.
2014	4	14	10:00 AM	<0.02	<0.02		0.48	0.041	0.012	89.9	29.3	190	52	
2014	3	10	10:00 AM	<0.02	<0.02		0.42	0.039	0.01	168.9	36.4	215	67	
2014	2	3	9:45 AM	<0.02	<0.02		0.4	0.031	0.013	72.9	36.1	161	74	Base flow.
2014	1	22	10:30 AM											Base flow.

2014	1	6	9:15 AM	<0.02	0.09		0.44	0.044	0.016	57.5	27.2	218	52	Base flow.
2013	11	13	11:40 AM	<0.02	0.03		0.75	0.091	0.034	42.7	16.8	125	71	
2013	10	7	12:00 AM	<0.02	<0.02		0.79	0.069	0.013	38.9	57.2	154	107	
2013	9	3	10:15 AM	<0.02	<0.02	<0.015	0.87	0.096	0.015	41.2	15.2	89	175	
2013	8	13	11:40 AM											
2013	7	29	9:50 AM	<0.02	<0.02	0.018	0.73	0.075	0.015	40.2	16.3	127	103	
2013	7	2	2:00 PM									161	145	
2013	6	24	9:20 AM	<0.02	<0.02	0.036	0.74	0.074	0.016	45.9	19.5	93	47	*Exceeded hold time.
2013	5	29	7:20 AM									63	66	DO was 6.82 in a RI and 6.32 at PT.
2013	5	20	8:30 AM	<0.02	0.17		0.79	0.067	0.029	61.7	22.5	83	52	*Exceeded hold time.
2010	5	4	12:00 PM	<0.02			<0.11						94	
2010	3	22	12:30 PM	<0.02			0.16						64	High flow.
2010	3	3	12:30 PM											Elevated flow.
2010	2	16	1:30 PM	<0.02			0.22						70	
2010	1	11	12:30 PM	<0.02			0.34						105	
2009	11	30	12:00 PM	<0.02	<0.02	0.017	0.33		<0.005	33.1	30.9	97	43	
2009	10	19	12:00 PM	<0.02	0.08	0.025*	0.28*	0.052*	0.022*	30.8	25.4	99	85	*Exceeded hold time.
2009	9	14	11:30 AM	<0.02	0.11	0.051*	0.58*	0.136*	0.09*	13.2	13.6	93	71	*Exceeded hold time.
2009	8	10	11:30 AM	<0.02	<0.02	0.022	0.2*	0.119*	0.022	34.5	20	135	124	*Exceeded hold time.
2009	7	14	10:00 AM											Base flow.
2009	7	6	12:00 PM	<0.02	<0.02	<0.015	0.49	0.045	<0.005	52.7	69.3	171	142	
2009	6	1	9:00 AM	<0.02	<0.02	<0.015	0.34	0.026	0.017	53.3	36.7	167	128	
2009	4	27	8:30 AM	<0.02	0.02	0.02	0.57	0.092	0.012	40.1	33.3	148	93	
2009	3	23	9:30 AM	<0.02	<0.02	<0.015	0.39	0.014	0.012	86.2	44.6	202	117	
2009	2	17	9:00 AM	<0.02	0.13	<0.015	0.49	0.075	0.025	46.4	27.9	138	70	
2009	1	20	9:30 AM											Base flow.
2009	1	5	9:30 AM	<0.02	<0.02	<0.015	0.48	0.057	0.017	92.8	32.8	213	80	
2008	12	1	9:00 AM	<0.02	<0.02	<0.015	0.52	0.027	0.017	86.6	30.4	243	119	
2008	10	27	9:30 AM	<0.02	0.1	<0.015	0.26	0.041	0.017	60	29.1	188	153	
2008	9	22	9:30 AM	<0.02	0.13	0.015	0.28	0.066	0.029	29.9	19.1	86	96	DO was 5.61 at PB.

2008	8	11	8:30 AM	0.02	0.23	0.029	<0.11	0.098	0.035	42.8	21	1	108	
2008	8	5	8:30 AM											Base flow.
2008	7	30	9:01 AM										128	
2008	7	7	9:00 AM	<0.02	0.18	0.021	<0.11	0.087	0.035	27.8	17.9	121	63	Elevated flow.
2008	6	23	7:45 AM											High flow.
2008	6	2	8:30 AM	<0.02	0.05	0.016	0.54	0.223	0.073	7.6	7	40.1	102	High flow.
2005	5	24	9:00 AM	<0.02	0.14	<0.015	0.43	0.139	0.049	56.4	27.9	120.8	82	
2005	4	18	9:00 AM	<0.02	0.04	<0.015	<0.11	0.36	0.007	40.7	26.5	94.5	48	
2005	3	14	9:30 AM	<0.02	<0.02	<0.015	<0.11	0.057	0.014	40.4	34	113.1	64	
2005	2	17	2:30 AM											Flow slightly elevated.
2005	2	7	9:00 AM	<0.02	0.15	<0.015	0.56	0.305	0.073	16.4	23.7	65.7	50	
2005	1	3	9:30 AM	<0.02	0.1	0.023	<0.11	0.12	0.058	47.3	21.5	96.8	88	
2004	11	29	9:15 AM	<0.02	0.14	<0.015	0.4	0.113	0.031	31.4	19	72.8	38	
2004	10	25	9:30 AM	<0.02	<0.02	<0.015	<0.11	0.127	0.028	38.2	19	126.3	131	
2004	9	20	9:00 AM	<0.02	<0.02	<0.015	0.28	0.081	0.009	88.5	17.4	144.7	120	DO was 3.71 at PB.
2004	8	16	9:00 AM	<0.02	<0.02	<0.015	0.31	0.095	0.051	81.9	19.4	144	68	
2004	7	12	8:45 AM	<0.02	0.2	0.031	<0.11	0.153	0.071	29.4	18	101.4	72	
2004	6	17	3:00 PM											Base flow.
2004	6	14	9:00 AM	<0.02	0.1	0.017	0.25	0.093	0.007	179.6	21.9	190.6	161	
2004	5	3	9:00 AM	<0.02	0.06	0.029	0.167	0.098	0.016	42.7	22.6	106	82	
2004	3	29	8:00 AM	<0.02	0.16	0.018	0.788	0.186	0.058	30.4	27.1	98.8	46	
2004	2	23	9:45 AM	<0.02	<0.02	0.026	<0.11	0.076	0.057	85	36.3	126.8	60	
2004	1	20	9:00 AM	<0.02	0.14	0.033	0.643	0.139	0.047	24.6	19.2	61.6	56	
2004	1	13	9:30 AM											Flow slightly elevated.
2003	12	15	9:30 AM	<0.02	0.06	0.021	0.208	0.107	0.028	68.3	24	124.3	74	
2003	11	3	9:00 AM	<0.02	<0.02	<0.015	0.203	0.099	0.016	29.8	19.4	129.3	99	
2003	9	30	9:30 AM	<0.02	0.08	0.026	0.663	0.12	0.023	22.7	14.1	93.6	93	*Exceeded hold time.
2003	8	25	9:00 AM	0.02*	0.02*	0.084	0.484	0.089	0.017	27	113.3	202.5	134	*Exceeded hold time. DO was 4.91 at PB.
2003	8	19	9:15 AM										108	DO was 3.22 at PB.

2003	7	21	8:30:00	0.02*	0.08*	0.14	0.373	0.104	0.014	103.4	87.5	199.3	110	*Exceeded hold time. DO was 3.79 at PB.
2003	7	10	12:40:00											Low flow.
1997	10	6	15:00:00											

IR WBID OK120410010220_00				INCOG WBID RMSC				Snake Creek				
Sampling Agency: INCOG								County: Tulsa				
Sampling Location: Latitude 35.914652 Longitude -95.833768 (SNA-1) (Hwy 64 Bridge)												
Year	Month	Date	Time	Turbidity, Field (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Conductivity (mmhos/cm)	Enterococcus (cfu/100 ml)	Comments
2013	9	18	10:55 AM		None	8.01	25.50	92.8	7.56	636	66	
2013	9	4	10:45 AM		None	7.40	26.93	54.6	4.35	365	47	
2013	8	20	10:40 AM		None	7.06	26.68	63.4	5.08	216	200	Appears to be some backwater from the Arkansas River which is about 35,000 cfs, turbid and brown.
2013	7	17	12:50 PM		None	8.01	31.97	91.0	6.63	958	34	
2013	6	18	1:20 PM	81.8	None	7.44	25.97	73.3	5.95	279	1,600	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early on 6/17/13. Tulsa International Airport - 0.70" early on 6/17/13.
2012	11	15	3:10 PM									No flow. Disconnected pools only on 11-15-12.
2012	10	24	1:15 PM									Dry creek bed under bridge with pools up and down stream on 10-24-12.

IR WBID OK120410010230_00				OCC WBID OK120410-01-0230T				Haikey Tributary						
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa						
Sampling Location: Latitude 36.03848 Longitude -95.88335 (HAT-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2013	3	12	1:30 PM	0.621	10									
2011	7	22	3:15 PM	0										
2011	3	2	1:45 PM		12									

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2013	3	12	1:30 PM												
2011	7	22	3:15 PM												
2011	3	2	1:45 PM												Base flow.

IR WBID OK120410010240_00				OCC WBID OK120410-01-0240M				Haikey Creek						
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa						
Sampling Location: Latitude 36.02472222 Longitude -95.83277778 (HAI-3)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2001	5	31	9:15 AM						>2,400					

1997	1	22	1:30 PM												
1996	11	22	1:45 PM	0.86											
1996	11	16	8:30 AM												

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	5	31	9:15 AM												
1997	1	22	1:30 PM												Base flow.
1996	11	22	1:45 PM												
1996	11	16	8:30 AM												Base flow.

IR WBID OK120420010010_00	OWRB WBID 120420010010_001AT	Arkansas River
Sampling Agency: Oklahoma Water Resources Board		County: Tulsa
Sampling Location: Latitude 35.95585307 Longitude -95.88622562 (ARK-2) (US 64, Bixby)		

Year	Month	Date	Time	Flow	Stream Stage ft.	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L
								mg/l	Sat.										
2012	9	24	2:19 PM	149 cfs	0.69	23.02	8.92	13.16	154.2		1,049	10.0	1,613			1.49	0.02	1.11	2.6
2012	9	24	2:18 PM								849								
2012	7	23	4:16 PM	1,810 cfs	1.96	34.12	9.09	13.05	185.9		1,204	8.0	1,852			0.21	<0.08	1.13	1.34
2012	7	23	4:15 PM								876								
2012	5	30	3:08 PM	105 cfs	0.83	28.01	8.78	10.26	131.8		1,094	22.3	1,683			0.55	0.04	1.24	1.79
2015	5	30	3:07 PM								895								

2012	3	19	2:42 PM		0	16.93	8.17	9.66	100.5		1,405	14.8	2,162			1.09	0.11	0.95	2.04
2012	3	19	2:41 PM								1,190	18.7							
2012	2	21	3:18 PM	9,210 cfs	4.53	8.69	7.87	11.81	102.2		1,586	23.0	2,441			0.95	0.32	0.9	1.85
2012	2	21	3:17 PM								1,260	30.3							
2011	11	9	11:21 AM		0	12.89	8.02	10.6	100.5		296	131.0	542			0.61	0.28	1.08	1.69
2011	11	9	11:20 AM								351								
2011	9	6	2:12 PM		0	19.22	8.02	13.21	144.1		1,080	9.0	1,662			0.71	0.03	0.72	1.43
2011	9	6	2:12 PM								1,090								
2011	8	1	2:35 PM		0	30.43	8.7	14.34	192.2		1,070	9.7	1,980			0.12	0.06	0.93	1.05
2011	8	1	2:07 PM								1,287								
2011	5	9	2:22 PM	231 cfs	5.32	21.56	8.69	16.01	183.1		1,290	20.3	2,813			0.16	0.09	1.11	1.27
2011	5	9	2:22 PM								1,827								
2011	3	14	11:00 AM	2,026 cfs	7.1	3.77	8.02	14.77	108.1		1,299	6.0	2,001			0.71	0.07	0.59	1.3
2011	3	14	11:00 AM								965								
2011	1	19	1:20 PM		0	1.87	8.36	23.03	167		987	9.7	1,934			2.35	0.2	1.21	3.56
2011	1	19	1:00 PM								1,257								
2010	10	19	1:45 PM	205 cfs	1.86	19.81	8.37	13.18	144.8		702	6.3	1,080			0.68	0.04	0.5	1.18
2010	10	19	1:45 PM								703								
2010	9	20	2:20 PM		0	28.37	8.52	11.82	152.8		902	15.7	1,389			0.56	0.05	0.64	1.2
2010	9	20	2:20 PM								727								
2010	8	30	9:30 AM			25.17	7.86	8.81	107.5		1,174	14.3	1,807				<0.08		
2010	5	25	7:01 PM		0	15.16	7.48	10.25	102.3		595	98.3	915				0.18		
2010	5	4	2:10 PM	924 cfs	6.25	23.38	8.27	12.89	152.1		1,136	10.0	1,750			0.66	0.01	0.69	1.35
2010	5	4	2:10 PM								1,010								
2010	3	8	1:25 PM	489 cfs	5.75	11.16	7.69	16.18	147.9		920	11.0	1,415			0.81	<0.08	0.6	1.41
2010	3	8	1:25 AM								888								
2010	1	20	8:08 AM		0	7.14	7.98	10.62	88.4		1,396	16.3	2,148			1.48	0.1	0.5	1.98
2010	1	20	8:08 AM								1,280								
2009	10	27	9:44 AM	612 cfs	7.66	13.72	8.03	9.9	95.8		648	59.0	998			1.06	0.05	0.56	1.62
2009	10	27	9:44 AM								552								

2009	8	18	9:30 AM	3,646 cfs	8.27	25.6	8.03	7.07	86.9		630	14.7	1,200			0.43	<0.08	0.67	1.1
2009	8	18	9:25 AM								779								
2009	6	22	10:29 AM	2,960 cfs	7.95	27.15	7.86	7.8	98.5		760	18.67	1,171			0.55	0.01	0.74	1.29
2009	6	22	10:29 AM								668								
2009	5	11	4:50 PM	6,405 cfs	10.26	18	7.9	8.98	95.1		583	56	896			0.77	0.06	0.7	1.47
2009	5	11	4:45 PM								546								
2009	3	31	2:51 PM	19,960 cfs	12.31	12.18	8.01	11.48	107.6		1,133	52.6	1,745			0.6	0.07	1.08	1.68
2009	3	31	2:51 PM								953								
2009	3	3	10:06 AM			6.5	7.63	13.18	108		1,205	7	1,854			0.84	0.12	0.62	1.46
2009	3	3	10:06 AM								1,010								
2009	1	5	3:35 PM			4.3	8.22	14.14	109		1,322	15	2,035			1.03	<0.08	0.61	1.64
2009	1	5	3:30 PM								1,120								
2008	10	27	12:50 PM	11,500 cfs	10.3	13.6	8.1	9.72	93.7		585	56	899			1.29	0.69	0.74	2.03
2008	10	27	12:45 PM								537								
2008	9	9	7:17 AM	12,418 cfs	10.52	24.22	8.02	7.25	86.8		625	23	963			0.31	0.04	0.63	0.94
2008	9	9	7:17 AM								519								
2008	7	8	10:24 AM		14.57	26.65	7.71	8.61	107.6		395	49	609			0.53	0.1	0.6	1.13
2008	7	8	10:24 AM								346								
2008	5	27	11:18 AM	32,246 cfs	15.5	21.04	7.9	8.14	91.5		423	128	651			0.71	0.14	10.4	1.75
2008	5	27	11:18 AM								417								
2008	4	28	10:04 AM	10,798 cfs	9.99	14.14	7.73	9.35	91.3		414	67	639			0.62	0.14	0.8	1.42
2008	4	28	10:04 AM								360								
2008	3	16	10:57 AM		10.18	9.61	8	12	105		907	29	1,396			1.27	0.14	1.07	2.34
2008	3	16	10:57 AM								866								
2008	2	19	9:47 AM	7,240 cfs	49.24	4.82	8.4	11.89	93.3		1,090	11	1,678			1.01	0.05	0.68	1.69
2008	2	19	9:47 AM								910								
2007	12	17	12:20 PM	3,972.5 cfs	8.16	6.23	7.46	16.7	136		1,330	25	2,046			0.82	0.04	0.76	1.58
2007	12	17	12:19 PM								869								
2007	11	5	9:57 AM	335 cfs	5.4	17.03	8.03	10.22	106		654	22	1,008			1.24	0.2	0.85	2.09

2007	11	5	9:57 AM								539								
2007	10	1	11:30 AM	5,573 cfs	8.18		7.96				722	17				0.59	0.08	0.65	1.24
2007	8	13	12:31 PM	27,723 cfs	12.6	30.03	7.63	7.71	102.1		246	11	378			0.13	0.07	0.57	0.7
2007	8	13	12:31 PM								473								
2007	7	16	11:36 AM	88,183 cfs	18.77	26.62	7.76	9.22	115		386	67	595			0.35	0.13	0.55	0.9
2007	7	16	11:36 AM								430								
2007	6	19	1:39 PM	69,431 cfs	17.78	24.54	7.19	7.01	84.1		196	112	303			0.38	0.29	1.71	2.09
2007	5	8	1:43 AM	28,770 cfs		19.39	7.78	7.17	77.9		80	441	130			0.41	0.1	1.68	2.09
2007	4	9	11:45 AM	29,747 cfs	13.52	14.42	7.9	10.27	100.8		662	103	1,018			0.53	0.29	1.04	1.57
2007	3	12	10:28 AM	204 cfs	5.27	12.44	8.01	8.85	83.9		2,003	15	3,082			0.66	0.11	0.97	1.63
2007	1	29	10:25 AM	320 cfs	5.05	3.38	8.53	17.85	134.4		467	24	718			1.46	0.07	0.88	2.34
2006	12	6	3:45 PM			7.42	8.01	10.18	79.6		981	11	1,384			1.09	0.33	1.19	2.28
2006	11	8	2:00 PM			18.35	9.15	17.37	194.8		880	8	1,384			1.72	<0.05	1.83	3.55
2006	10	2	1:40 PM																
2006	10	2	10:30 AM			24.34	8.36	6.84	85.1		1,022	18	1,597			0.59	<0.05	1.17	1.76
2006	9	5	12:15 PM																
2006	8	22	2:30 PM	2,512 cfs	7.67	27.51	7.89	5.93	75.3		912	18	1,425			0.21	0.1	0.77	0.98
2006	8	21	3:00 PM																
2006	8	7	2:29 PM																
2006	7	24	5:25 PM																
2006	7	17	11:52 AM	2,467 cfs	7.64	32.11	8.25	8.9	125.6		1,200	20	1,870			<0.05	0.06	0.86	0.885
2006	7	5	3:12 PM																
2006	7	5	10:51 AM																
2006	6	26	1:52 PM																
2006	6	12	3:32 PM																
2006	6	12	1:40 PM	379 cfs	5.1	27.22	8.5	11.49	148.2		871	12	1,361			0.19	<0.05	0.77	0.96
2006	5	23	11:45 AM																
2006	5	8	3:38 PM	9,569 cfs	10.4	21.36	8.2	7.17	81.6		1,355	58	2,117			0.38	0.07	1.02	1.4
2006	4	3	10:16 AM	589 cfs	4.94	15.17	8.39	16.7	166.1		1,423	6	2,224			0.54	<0.05	0.84	1.38
2006	2	27	11:45 AM	426 cfs	5.23	9.66	8.4	15.1	133.4		1,940	5	3,031			0.4	<0.05	0.79	1.19

2006	1	23	12:01 PM	661 cfs	5.69	6.66	8.34	9.71	79.3		1,847	5	2,885			1.02	<0.05	0.66	1.68
2005	12	5	4:41 PM			5.48	8.7	19.09	152.7		1,128	4	1,762			0.66	<0.05	0.39	1.05
2005	10	24	10:42 AM	32.34 cfs	5.05	11.14	8.06	9.71	87.9		748	6	1,170			0.96	<0.05	0.8	1.76
2005	8	22	11:30 AM	4,590 cfs	41.93	27.79	7.78	7.36	95		800	24	1,250			0.27	<0.05	0.57	0.84
2005	7	27	8:50 AM	9,984 cfs	39.74	26.12	7.48	6.23	77.5		900	16	1,476			0.38	<0.05	0.6	0.98
2005	6	21	10:48 AM	75,200 cfs	31.45	25.46	7.36	6.98	85.1		678	73	1,060			0.62	0.07	0.67	1.29
2005	5	10	12:13 PM	4,792 cfs	41.46	20.8	7.98	7.87	90.7		1,579	18	2,460			0.44	<0.05	0.87	1.31
2005	3	1	11:59 AM	13,400 cfs	39.09	7.36	8.35	7.01	58		1,528	28	2,387	<0.05	0.93		<0.05	0.7	1.655
2005	2	7	12:00 PM	13,500 cfs	38.98	4.84	7.46	12.14	94.5		1,230	44	1,923	<0.05	0.86		0.19	0.69	1.575
2004	12	19	9:52 AM	540 cfs	44.84	5.65	7.92	7.88	62.4		1,533	17	2,396	<0.05	1		0.08	0.55	1.575
2004	11	9	12:00 PM	2,980 cfs	45	13.86	8.17	11.09	107.7		1,491	19	2,300	<0.05	1.08		0.1	0.71	1.815
2004	10	4	10:13 AM	270 cfs	8.5	19.39	8.17	10.12	109.4		805	7	1,256	<0.05	0.8		0.09	0.58	1.405
2004	8	30	8:53 AM	315 cfs	9.62	24.31	8.27	6.43	76.8		752	12	1,176	<0.05	0.54		0.07	0.59	1.155
2004	7	26	1:00 PM	17,000 cfs	38.39	26.62	7.62	7.19	90.4		604	29	944	<0.05	0.65		<0.05	0.58	1.255
2004	6	14	12:00 PM	3,450 cfs	40.95 1	27.09	8.4	9.34	118.3		923	22	1,441	<0.05	0.72		<0.05	0.49	1.235
2004	5	17	1:12 PM	32,600 cfs	38.51	22	7.65	7.4	84.2		1,027	36	1,604	<0.05	0.73		0.12	0.58	1.335
2004	4	6	3:15 PM	14,262 cfs	38.55	16	7.31	10.06	101.2		1,057	56	1,652	0.09	0.8		0.17	0.68	1.57
2004	3	3	11:55 AM			8.34	8.13	9.82	83.7		602	30	940	<0.05	0.94		0.12	0.91	1.875
2004	1	28	11:40 AM	6,400 cfs	16.27	3.37	8.12	8.07	60.3		1,051	33	1,643	<0.05	0.62		<0.05	0.93	1.575
2003	12	2	10:00 AM			6.53	8.08	8.32	69.3		727	17	1,008	<0.05	0.96		<0.05	0.38	1.365
2003	11	3	4:12 PM			21.56	8.1	6.37	75.1		556	19	869	<0.05	1.09		<0.05	0.91	2.025
2003	10	1	11:05 AM			18.34	7.75	8.57	90.6		651.7	25	1,018	<0.05	0.59		<0.05	0.64	1.255
2003	9	15	9:21 AM																
2003	8	11	9:13 AM																
2003	7	7	9:14 AM																
2003	7	29	1:00 PM											<0.05	0.15		<0.05	0.63	0.805
2003	6	2	10:25 AM																
2003	6	18	9:27 AM			23	7.38	6.49	76.8		1,017	37	1,586	<0.05	0.66		<0.05	0.69	1.375
2003	5	14	12:00 PM			22	7.52	6.3	73.9		1,024	30	1,812	<0.05	0.39		0.05	0.46	0.875

2003	4	8	9:36 AM			10.82	7.65	7.87	69		978.6	86	1,529	0.07	0.69		0.1	0.33	1.09
2003	3	4	10:45 AM			6	8.27	8.91	70		2,096	13	3,275	<0.05	0.31		<0.05	0.87	1.205
2003	1	28	1:58 PM			6	8.02	11.23	96		2,028	10	3,167	<0.05	0.95		<0.05	0.61	1.585
2002	12	10	9:34 AM			7	7.7	11.23	91.8		1,801	31	2,814	0.06	1.24		<0.05	0.58	1.88
2002	11	6	2:00 PM			10.11	7.75	9.91	90.3		1,811	39	2,563	0.07	1.1		<0.05	0.25	1.42
2002	9	30	12:45 PM			24.13	7.84	7.28	85.2		650	81	1,016	0.08	1.1		<0.05	0.55	1.73
2002	9	3	11:00 AM			27	8.43	9.8	124.4		834	19	1,302	<0.05	0.12		0.29	0.92	0.225
2002	7	8	11:55 AM			27	7.49	4.64	63.8		671	22	1,049	<0.05	0.54		<0.05	0.52	1.085
2002	6	3	9:15 AM			23.95	7.84	7.07	88.5		1,243	60	1,943						
2002	5	8	10:00 AM																
2002	5	6	3:12 PM			24.49	8.77	11.82	149.3		1,207	79	1,885	<0.05	0.05		0.18	1.44	1.515
2002	4	8	12:53 PM			12	7.48	7.48	69.4		261	638	409	0.19	0.22		0.44	2.16	2.57
2002	3	11	12:00 PM			8.22		10.3	91.8		1,060	14	1,656	<0.05	0.88		<0.05	0.8	1.705
2002	2	19	11:00 AM			8.18		11.35	97.6		121	17	188	<0.05	0.58		0.14		
2001	10	1	11:45 AM			21	8	8.91	100		929	9	1,452	<0.05	0.68		0.07	0.77	1.475
2001	9	10	10:35 AM			22	8.15	6.38	76.9		945	12	1,476	0.06	0.45			0.6	1.11
2001	8	6	10:50 AM			31	8.3	6.03	81		1,017	11	1,588	0.05	<0.05			0.74	0.815
2001	7	9	11:00 AM			27.79	8.05	8.12	101		1,015	6	1,586	<0.05	0.38			0.77	1.175
2001	6	4	12:46 PM			23	7.55	5.83	69.5		923	80	1,442	0.1	0.58		0.07	0.63	1.31
2001	5	7	10:33 AM			20	7.74	7.32	80.9		1,306	16	2,040	0.08	0.75		<0.05	0.41	1.24
2001	4	2	11:54 AM			10.49	7.93	9.63	88		1,575	29	2,460	0.06	1.09		0.13	0.9	2.05
2001	3	12	4:45 PM											0.09	<0.05		0.09	0.64	0.755
2001	2	5	11:35 AM			4	8	13.12	99.9		1,193	15	1,865	<0.05	0.62		0.21	1.35	1.995
2000	11	15	10:08 AM			9	7.74	10.81	94.6	32	1,210	35	1,887	<0.05	0.87		0.06	0.46	1.355
2000	10	17	10:10 AM			18.54	8.26	8.59	94.5	22	623.2	20	974	<0.05	0.25		<0.05	0.59	0.865
2000	9	20	9:41 AM			22	8.3	9.6	110.4		851		1,330	<0.05	<0.05		0.14	0.68	0.73
2000	7	26	10:13 AM							194	756			<0.05	0.24		<0.05	0.035	0.3
2000	5	16	9:58 AM			20	8	8.3	91.4	38	860	25	1,320	<0.05	0.3		0.05	0.44	0.765
2000	5	16	9:58 AM								749								
2000	3	22	10:19 AM			10.13	7.63	10.48	96.5		681	104	1,065	0.1	0.82				

2000	2	23	12:45 PM							22	1,282			0.06	0.73		0.18	0.5	1.29
2000	1	24	11:29 AM			4.53	7.59	9.06	71.7	57	1,153	17	1,802	<0.05	0.91		0.08	0.58	1.515
2000	1	24	11:29 AM								971								

Year	Month	Date	Time	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Chlor a mg/m ³	Pheophytin a mg/m ³	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml
2012	9	24	2:19 PM	1.11	0.417	361	109	224	135	30.6	1.98	21-40			
2012	9	24	2:18 PM												
2012	7	23	4:16 PM	0.61	0.236	414	112	236	140	32.3	7.84	81-100			
2012	7	23	4:15 PM												
2012	5	30	3:08 PM	0.18	0.213	443	92.3	200	144	16.5	4.34	41-60			
2015	5	30	3:07 PM												
2012	3	19	2:42 PM	0.59	0.2	665	141	244	117	8.09	11.4	21-40			
2012	3	19	2:41 PM												
2012	2	21	3:18 PM	0.31	0.125	666	125	227	114	3.85	2.8	0			
2012	2	21	3:17 PM												
2011	11	9	11:21 AM	0.39	0.22	96.3	45.4	163	97	11.5	5.04	41-60			
2011	11	9	11:20 AM												
2011	9	6	2:12 PM	0.96	0.351	485	123	261	156	14.5	3.98	41-60			
2011	9	6	2:12 PM												
2011	8	1	2:35 PM	0.46	0.261	504	125	284	156	31.1	2.15	41-60			
2011	8	1	2:07 PM												
2011	5	9	2:22 PM	0.23	0.187	540	1.38	310	163			21-40			
2011	5	9	2:22 PM												
2011	3	14	11:00 AM	0.36	0.141	382	132	283	168			21-40			
2011	3	14	11:00 AM												

2011	1	19	1:20 PM	1.25	0.422	378	117	354	175	53.8	3.33	61-80			
2011	1	19	1:00 PM												
2010	10	19	1:45 PM	0.58	0.197	270	97.3	212	147	8.52	2.28	41-60			
2010	10	19	1:45 PM												
2010	9	20	2:20 PM	0.66	0.223	266	86	202	172	5.54	0.66	41-60			
2010	9	20	2:20 PM												
2010	8	30	9:30 AM					250	36						
2010	5	25	7:01 PM					235	137			0			
2010	5	4	2:10 PM	0.37	0.147	391	129	350	216	9.83	2.7	41-60			
2010	5	4	2:10 PM												
2010	3	8	1:25 PM	0.42	0.15	355	118	303	89	18.5	1.93	61-80			
2010	3	8	1:25 AM												
2010	1	20	8:08 AM	0.52	0.21	537	160	412	231	7.97	1.53	81-100			
2010	1	20	8:08 AM												
2009	10	27	9:44 AM	0.47	0.168	196	28.9	168	103			0			
2009	10	27	9:44 AM												
2009	8	18	9:30 AM	0.37	0.147	227	82.4	196	140			21-40			
2009	8	18	9:25 AM												
2009	6	22	10:29 AM	0.7	0.181	224	91.1	200	148	5.45	3.49	0			
2009	6	22	10:29 AM												
2009	5	11	4:50 PM	0.45	0.162	181	77.2	172	119	0.88	0.49	0			
2009	5	11	4:45 PM												
2009	3	31	2:51 PM	0.18	0.185	364	118	295	158	29.4	9.57	0			
2009	3	31	2:51 PM												
2009	3	3	10:06 AM	0.24	0.111	241	132	324	188	10.8	2.22	21-40			
2009	3	3	10:06 AM												
2009	1	5	3:35 PM	0.56	0.169	456	109	350	155	8.71	1.4	41-60			
2009	1	5	3:30 PM												
2008	10	27	12:50 PM	0.05	0.211	179	62.6	175	105	2.32	1.44	0			
2008	10	27	12:45 PM												

2008	9	9	7:17 AM	0.41	0.13	190	76	194	151	13.4	4.35	0			
2008	9	9	7:17 AM												
2008	7	8	10:24 AM	0.62	0.207	91.4	42.9	280	95			0			
2008	7	8	10:24 AM												
2008	5	27	11:18 AM	0.28	0.234	136	73.3	168	115	4.07	2.31	0			
2008	5	27	11:18 AM												
2008	4	28	10:04 AM	0.27	0.145	111	63.3	137	111			0			
2008	4	28	10:04 AM												
2008	3	16	10:57 AM	0.3	0.189	316	127	256	174	13.5	3.96	21-40			
2008	3	16	10:57 AM												
2008	2	19	9:47 AM	0.34	0.13	318	132	289	179	9.64	4.73	0			
2008	2	19	9:47 AM												
2007	12	17	12:20 PM		0.157	366	115	263	162	5.92	2.68	0			
2007	12	17	12:19 PM												
2007	11	5	9:57 AM	0.62	0.306	177	80	210	139	5.06	1.22	0			
2007	11	5	9:57 AM												
2007	10	1	11:30 AM	0.34	0.168	270	123	253	138	4.96	1.66	41-60			
2007	8	13	12:31 PM	0.18	0.19	163	84.8	179	131	7.48	3.33				
2007	8	13	12:31 PM												
2007	7	16	11:36 AM	0.39	0.218	136	93	172	138	2.26	0.92	0			
2007	7	16	11:36 AM												
2007	6	19	1:39 PM	0.082	0.409	87.1	55.7	85	56	6.4	<0.1	0			
2007	5	8	1:43 AM	0.219	0.311	109	53.7	125	73	167	<0.1	0			
2007	4	9	11:45 AM	0.21	0.204	238	91.4		84	4.06	2.05	0			
2007	3	12	10:28 AM	0.123	0.169	516	113	236	130	14.8	3.7	0			
2007	1	29	10:25 AM	0.224	0.262	110	71.4	165	104			0			
2006	12	6	3:45 PM	0.33	0.365	249	69.5	281	126			0			
2006	11	8	2:00 PM	0.646	0.835	268	125	218	139			41-60			
2006	10	2	1:40 PM										131	108	180
2006	10	2	10:30 AM	0.13	0.256	307	115	213	137			0	171	41	710

2006	9	5	12:15 PM										10	41	760
2006	8	22	2:30 PM	0.14	0.214	322	90.4	197	129			0	173	259	3,500
2006	8	21	3:00 PM										51	314	4,500
2006	8	7	2:29 PM										10	10	30
2006	7	24	5:25 PM										10	243	210
2006	7	17	11:52 AM	0.118	0.232	442	111	208	138			0			
2006	7	5	3:12 PM										41	323	720
2006	7	5	10:51 AM										41	10	110
2006	6	26	1:52 PM										235	471	1,190
2006	6	12	3:32 PM										85	10	410
2006	6	12	1:40 PM	0.136	0.229	303	97.9	182	131			0			
2006	5	23	11:45 AM										107	31	200
2006	5	8	3:38 PM	0.107	0.223	495	117	241	121			0			
2006	4	3	10:16 AM	0.16	0.285	648	146	260	157			21-40			
2006	2	27	11:45 AM	0.133	0.203	840	164	279	183			0			
2006	1	23	12:01 PM	0.273	0.331	795	151	368	170			41-60			
2005	12	5	4:41 PM	0.175	0.21	443	110	216	113			0			
2005	10	24	10:42 AM	0.251	0.299	265	88.8	202	119						
2005	8	22	11:30 AM	0.151	0.231	254	78.2	170	118			0			
2005	7	27	8:50 AM	0.191	0.199	279	106	195	92			0			
2005	6	21	10:48 AM	0.13	0.238	237	81	168	74			0			
2005	5	10	12:13 PM	0.11	0.199	556	155	302	276			21-40			
2005	3	1	11:59 AM	0.132	0.17	358	121	281	158			21-40			
2005	2	7	12:00 PM	0.153	0.192	442	134	250	119			0			
2004	12	19	9:52 AM	0.239	0.304	579	133	300	180			21-40			
2004	11	9	12:00 PM	0.177	0.231	259	89.2	198	141			21-40			
2004	10	4	10:13 AM	0.249	0.291	265	83.4	242	141			21-40			
2004	8	30	8:53 AM	0.116	0.19	236	89.1	182	135			21-40			
2004	7	26	1:00 PM	0.138	0.174	217	74.2	165	100			0			
2004	6	14	12:00 PM	0.087	0.137	258	87.6	208	127			0			

2004	5	17	1:12 PM	0.123	0.161	265	1,580	208	141			0			
2004	4	6	3:15 PM	0.144	0.171	298	114	239	132			0			
2004	3	3	11:55 AM	0.116	0.223	395	101	241	134			21-40			
2004	1	28	11:40 AM	0.079	0.124	367	103	238	141			0			
2003	12	2	10:00 AM	0.143	0.155	228	77.2	166	90			0			
2003	11	3	4:12 PM	0.186	0.237	177	62.2	299	151			0			
2003	10	1	11:05 AM	0.101	0.148	208	70	174	98			0	408	170	1,100
2003	9	15	9:21 AM										146	800	500
2003	8	11	9:13 AM										512	1,700	6,700
2003	7	7	9:14 AM										73	110	800
2003	7	29	1:00 PM	0.273	0.362	282	86.9						31	300	200
2003	6	2	10:25 AM										836	4,000	6,000
2003	6	18	9:27 AM	0.138	0.176	373	119	198	117			41-60	20	70	120
2003	5	14	12:00 PM	0.026	0.17	378	109	222	101			0			
2003	4	8	9:36 AM	0.138	0.154	390	123	248	112			0			
2003	3	4	10:45 AM	0.015	0.11	797	196	398	180			41-60			
2003	1	28	1:58 PM	0.099	0.139	863	200	332	180			41-60			
2002	12	10	9:34 AM	0.194	0.198	754	200	260	142			41-60			
2002	11	6	2:00 PM	0.146	0.156	437	102	289	150			0			
2002	9	30	12:45 PM	0.211	0.268	220	81.7	150	108			0	122	60	100
2002	9	3	11:00 AM	0.25	0.345	260	67	178	130			41-60	31	50	100
2002	7	8	11:55 AM	0.147	0.188	225	79	182	98			41-60	<10	<10	10
2002	6	3	9:15 AM					246	134			0	228	200	1,200
2002	5	8	10:00 AM										30	150	80
2002	5	6	3:12 PM	0.01	0.152	423	121	300	138			0			
2002	4	8	12:53 PM	0.224	0.465	66.2	81	110	74			61-80			
2002	3	11	12:00 PM	0.135	0.217	372	112	128	68			0			
2002	2	19	11:00 AM	0.101	0.169	258	96.7	239	140			0			
2001	10	1	11:45 AM	0.178	0.275	270	114	221	106						
2001	9	10	10:35 AM	0.185	0.26	274	123	442	107				<10	30	1,000

2001	8	6	10:50 AM	0.13	0.215	281	129	216	120				<10	30	30
2001	7	9	11:00 AM	0.067	0.146	302	151	272	156				<10	70	20
2001	6	4	12:46 PM	0.107	0.162	272	136	208	114				20	400	130
2001	5	7	10:33 AM	0.087	0.179	392	179	306	149						
2001	4	2	11:54 AM	0.101	0.154	483	222	360	143						
2001	3	12	4:45 PM	0.118	0.16		102								
2001	2	5	11:35 AM	0.029	0.134	360	146	275	143						
2000	11	15	10:08 AM	0.14	0.216	338	127	238	121						
2000	10	17	10:10 AM	0.182	0.368	206	88.1	190	125						
2000	9	20	9:41 AM	0.031	0.213	222	121	253	155						
2000	7	26	10:13 AM	0.093	0.168	234	124	254							
2000	5	16	9:58 AM	0.096	0.168	230	132	299	133						
2000	5	16	9:58 AM												
2000	3	22	10:19 AM		0.131	171	122		135						
2000	2	23	12:45 PM	0.098	0.496	583	183	352							
2000	1	24	11:29 AM	0.129	0.198	299	170	274	145						
2000	1	24	11:29 AM												

Year	Month	Date	Time	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
									Severity	Size	
2012	9	24	2:19 PM		None	None	None	None	None		Pre
2012	9	24	2:18 PM								Pre
2012	7	23	4:16 PM		None	None	None	None	None		Pre
2012	7	23	4:15 PM								Pre
2012	5	30	3:08 PM		None	None	None	None	None		Pre
2015	5	30	3:07 PM								Pre
2012	3	19	2:42 PM		None	None	None	None	None	Small	Pre
2012	3	19	2:41 PM								Pre

2012	2	21	3:18 PM		None	None	None	Mild	Mild		Pre
2012	2	21	3:17 PM								Pre
2011	11	9	11:21 AM		None	None	None	Mild	Mod.	Small	Pre
2011	11	9	11:20 AM								Pre
2011	9	6	2:12 PM		None	None	None	None	None		Pre
2011	9	6	2:12 PM								Pre
2011	8	1	2:35 PM		None	Mild	None	Mild	None	Large	Pre
2011	8	1	2:07 PM								Pre
2011	5	9	2:22 PM		None	None	None	Mild	None		Pre
2011	5	9	2:22 PM								Pre
2011	3	14	11:00 AM		None	Serious	None	None	None		Pre
2011	3	14	11:00 AM								Pre
2011	1	19	1:20 PM		None	Mod.	None	Mild	Mild	Small	Pre
2011	1	19	1:00 PM								Pre
2010	10	19	1:45 PM		None	None	None	Mild	None	Small	Pre
2010	10	19	1:45 PM								Pre
2010	9	20	2:20 PM		None	None	None	None	None	Small	Pre
2010	9	20	2:20 PM								Pre
2010	8	30	9:30 AM								Pre
2010	5	25	7:01 PM		None	None	None	Mild	Mild	Medium	Pre
2010	5	4	2:10 PM		None	None	None	None	None	Small	Pre
2010	5	4	2:10 PM								Pre
2010	3	8	1:25 PM		None	Mild	None	None	None		Pre
2010	3	8	1:25 AM								Pre
2010	1	20	8:08 AM		None	Mild	Mild	None	None	Small	Pre
2010	1	20	8:08 AM								Pre
2009	10	27	9:44 AM		None	None	None	Mils	None	Small	Pre
2009	10	27	9:44 AM								Pre
2009	8	18	9:30 AM		None	Mild	None	Mild	None		Pre
2009	8	18	9:25 AM								Pre

2009	6	22	10:29 AM		None	None	None	None	None		Pre
2009	6	22	10:29 AM								Pre
2009	5	11	4:50 PM		None	None	None	Mild	Mild	Small	Pre
2009	5	11	4:45 PM								Pre
2009	3	31	2:51 PM		None	None	None	Mod.	Mild	Small	Pre
2009	3	31	2:51 PM								Pre
2009	3	3	10:06 AM		None	None	None	Mild	Mild	Large	Pre
2009	3	3	10:06 AM								Pre
2009	1	5	3:35 PM		Mild	Mild	None	Mild	None	Small	Pre
2009	1	5	3:30 PM								Pre
2008	10	27	12:50 PM		None	None	None	Mild	None	Small	Pre
2008	10	27	12:45 PM								Pre
2008	9	9	7:17 AM		None	None	None	Mild	None		Pre
2008	9	9	7:17 AM								Pre
2008	7	8	10:24 AM		None	None	None	Mild	Mild	Small	Pre
2008	7	8	10:24 AM								Pre
2008	5	27	11:18 AM		Mod.	None	Serious	Serious	Serious	Medium	Pre
2008	5	27	11:18 AM								Pre
2008	4	28	10:04 AM		None	None	None	None	None	Small	Pre
2008	4	28	10:04 AM								Pre
2008	3	16	10:57 AM		None	None	None	Mild	Mild	Small	Pre
2008	3	16	10:57 AM								Pre
2008	2	19	9:47 AM		None	None	None	Mild	Mild	Small	Pre
2008	2	19	9:47 AM								Pre
2007	12	17	12:20 PM		None	None	None	None	None	Small	Pre
2007	12	17	12:19 PM								Pre
2007	11	5	9:57 AM		None	None	None	None	None	Small	Pre
2007	11	5	9:57 AM								Pre
2007	10	1	11:30 AM		None	Mild	None	Mild	Mild	Small	Pre
2007	8	13	12:31 PM								Pre

2007	8	13	12:31 PM								Pre
2007	7	16	11:36 AM		None	None	None	Mild	None	4	Pre
2007	7	16	11:36 AM								Pre
2007	6	19	1:39 PM		None	None	None	Mild	Mod.	4	Pre
2007	5	8	1:43 AM		None	Mild	None	Mild	Serious	4	Pre
2007	4	9	11:45 AM		None	None	None	None	Mild	Small	Pre
2007	3	12	10:28 AM		None	Mild	None	None	Mild	Small	Pre
2007	1	29	10:25 AM		None		None	None	None	Small	Pre
2006	12	6	3:45 PM		None	None	None	None	None	Small	Pre
2006	11	8	2:00 PM	441	None	None	Mild	None	None	Small	Pre
2006	10	2	1:40 PM								Pre
2006	10	2	10:30 AM	445	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2006	9	5	12:15 PM								Pre
2006	8	22	2:30 PM	419	Mild	Mild	Mod.	Mod.	None	Small	Pre
2006	8	21	3:00 PM								Pre
2006	8	7	2:29 PM								Pre
2006	7	24	5:25 PM								Pre
2006	7	17	11:52 AM	444	None	None	None	None	None		Pre
2006	7	5	3:12 PM								Pre
2006	7	5	10:51 AM								Pre
2006	6	26	1:52 PM								Pre
2006	6	12	3:32 PM								Pre
2006	6	12	1:40 PM	465	None	None	None	None	None		Pre
2006	5	23	11:45 AM								Pre
2006	5	8	3:38 PM	275	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2006	4	3	10:16 AM	393	None	Mod.	None	None	None		Pre
2006	2	27	11:45 AM	419	Mild	Mod.	Serious	Mod.	Mild	Small	Pre
2006	1	23	12:01 PM	371	None	Mod.	None	Mild	None		Pre
2005	12	5	4:41 PM	414	Mod.	Mild	Serious	Mod.	Mod.	Small	Pre
2005	10	24	10:42 AM	465	None	None	None	None	None		Pre

2005	8	22	11:30 AM	438	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2005	7	27	8:50 AM	253	None	None	None	Mod.	None		Pre
2005	6	21	10:48 AM	491	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2005	5	10	12:13 PM	427	Mild	Mod.	Mild	Mild	Mild	Small	Pre
2005	3	1	11:59 AM	403	Mild	Mild	Mild	Mild	Mild	Small	Pre
2005	2	7	12:00 PM	541	Mild	None	None	Mild	None	Small	Pre
2004	12	19	9:52 AM	400	None	None	None	None	None	Small	Pre
2004	11	9	12:00 PM	314	None	None	None	Mild	None	Small	Pre
2004	10	4	10:13 AM	404	None	Mild	None	Mod.	None	Small	Pre
2004	8	30	8:53 AM	437	None	None	None	Mild	None		Pre
2004	7	26	1:00 PM	422	None	None	Mild	Mild	None		Pre
2004	6	14	12:00 PM	460	None	Mild	Mild	None	None	Small	Pre
2004	5	17	1:12 PM	313	Mod.	Mod.	Mod.	Mod.	Mild	Small	Pre
2004	4	6	3:15 PM	359	Extreme	Mod.	Mod.	Mild	Mod.		Pre
2004	3	3	11:55 AM	559	Mod.	None	None	None	Mild	Small	Pre
2004	1	28	11:40 AM	601	None	None	None	Mild	Mod.	Small	Pre
2003	12	2	10:00 AM	502	None	None	None	None	None		Pre
2003	11	3	4:12 PM	321	None	None	None	None	None		Pre
2003	10	1	11:05 AM	385	None	None	None	None	None		Pre
2003	9	15	9:21 AM								Pre
2003	8	11	9:13 AM								Pre
2003	7	7	9:14 AM								Pre
2003	7	29	1:00 PM								Pre
2003	6	2	10:25 AM								Pre
2003	6	18	9:27 AM	458	Serious	Mod.	Serious	Mod.	Mod.	Small	Pre
2003	5	14	12:00 PM	480	Mild	None	Mod.	Mild	None	Small	Pre
2003	4	8	9:36 AM	338	None	None	None	Mod.	Mild	Small	Pre
2003	3	4	10:45 AM	456	Mild	Mod.	Mod.	Mod.	Mild	Small	Pre
2003	1	28	1:58 PM	469	Mild	Mild	Mild	Mod.	Mild	Small	Pre
2002	12	10	9:34 AM	498	Serious	Serious	Serious	Extreme	Serious	Small	Pre

2002	11	6	2:00 PM	501	None	None	None	Mild	Mild	Small	Pre
2002	9	30	12:45 PM	341	None	None	None	Mild	Mild	Small	Pre
2002	9	3	11:00 AM	400	Serious	Serious	Extreme	Serious	Serious	Small	Pre
2002	7	8	11:55 AM	432	Serious	Serious	Serious	Serious	Mod.	Small	Pre
2002	6	3	9:15 AM	363	None	None	Mild	Mild	Extreme	4	Pre
2002	5	8	10:00 AM								Pre
2002	5	6	3:12 PM	309	None	None	None	None	None	Small	Pre
2002	4	8	12:53 PM	410	Serious	Mod.	Serious	Serious	Serious	Medium	Pre
2002	3	11	12:00 PM	342	None	None	None	None	None		Pre
2002	2	19	11:00 AM	345	None	None	None	None	None		Pre
2001	10	1	11:45 AM	353							Pre
2001	9	10	10:35 AM	391							Pre
2001	8	6	10:50 AM	316							Pre
2001	7	9	11:00 AM	440							Pre
2001	6	4	12:46 PM	377							Pre
2001	5	7	10:33 AM	388							Pre
2001	4	2	11:54 AM	414							Pre
2001	3	12	4:45 PM								Pre
2001	2	5	11:35 AM	429							Pre
2000	11	15	10:08 AM	461							Pre
2000	10	17	10:10 AM	284							Pre
2000	9	20	9:41 AM	482							Pre
2000	7	26	10:13 AM								Pre
2000	5	16	9:58 AM	237							Pre
2000	5	16	9:58 AM								Pre
2000	3	22	10:19 AM	400							Pre
2000	2	23	12:45 PM								Pre
2000	1	24	11:29 AM	461							Pre
2000	1	24	11:29 AM								Pre

IR WBID OK120420010010_00				OWRB WBID 120420010010_001AT				Arkansas River								
Sampling Agency: Oklahoma Water Resources Board						County: Tulsa										
Sampling Location: Latitude 35.95585307 Longitude -95.88622562 (ARK-2) (US 64, Bixby)																
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Hg µg/l	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2012	9	24	2:18 PM				<0.18							<1		Pre
2012	3	19	2:41 PM				<0.18							<1		Pre
2012	2	21	3:17 PM				<0.18							<1		Pre
2011	11	9	11:20 AM				<0.18							<1		Pre
2011	9	6	2:12 PM				<0.18							<1		Pre
2011	3	14	10:00 AM				<0.18							<1		Pre
2011	1	19	1:00 PM				<0.18							<1		Pre
2010	9	20	2:20 PM				<1							<1		Pre
2010	5	4	2:10 PM				<1							<1		Pre
2010	5	4	2:10 PM				<1									Pre
2010	3	8	1:25 PM				<1							<1		Pre
2010	3	8	1:25 PM				<1									Pre
2010	1	20	8:08 AM									6.5		<1		Pre
2010	1	20	8:08 AM									3.8				Pre
2009	8	18	9:30 AM									3.6				Pre
2009	8	18	9:30 AM									<1				Pre
2009	8	18	9:25 AM									3.6				Pre
2009	8	18	9:25 AM									<1				Pre
2009	6	22	10:29 AM									4.6				Pre
2009	6	22	10:29 AM									3				Pre
2009	5	11	4:45 PM									2.8				Pre

2009	5	11	4:45 PM										<1							Pre
2009	3	31	2:51 PM										5.7							Pre
2009	3	31	2:51 PM										<1							Pre
2009	3	3	10:06 AM										<1							Pre
2009	3	3	10:06 AM										<1							Pre
2009	1	5	3:30 PM										<1							Pre
2009	1	5	3:30 PM										<1							Pre
2008	10	27	12:45 PM										1.4							Pre
2008	10	27	12:45 PM										<1							Pre
2008	9	9	7:17 AM										3.8							Pre
2008	9	9	7:17 AM										<1							Pre
2008	7	8	10:24 AM										4.3							Pre
2008	7	8	10:24 AM										<1							Pre
2008	5	27	11:18 AM										14.5							Pre
2008	5	27	11:18 AM										1.8							Pre
2008	4	28	10:04 AM										<5							Pre
2008	4	28	10:04 AM										<1							Pre
2008	3	16	10:57 AM										<5							Pre
2008	3	16	10:57 AM										<5							Pre
2008	2	19	9:47 AM										6							Pre
2008	2	19	9:47 AM										1.1							Pre
2007	12	17	12:19 PM										5.9							Pre
2007	12	17	12:19 PM										<5							Pre
2007	11	5	9:57 AM										<5							Pre
2007	11	5	9:57 AM										<5							Pre
2007	10	1	10:56 AM										<5							Pre
2007	10	1	10:56 AM										<5							Pre
2007	8	13	12:31 PM										<5							Pre
2007	8	13	12:31 PM										<5							Pre
2007	7	16	11:36 AM										<5							Pre

2007	7	16	11:36 AM									<5				Pre
2007	6	19	1:39 PM									17.4				Pre
2007	6	19	1:39 PM									<5				Pre
2007	5	8	1:43 PM									14.9				Pre
2007	5	8	1:43 PM									<5				Pre
2007	4	9	11:45 AM	<2	<10	131	<1	5.7	7.6	<0.05	5.3	<5	<5	<10	25	Pre
2007	4	9	11:45 AM									<5				Pre
2007	3	12	10:28 AM	<2	<10	125	<1	<5	6.3	<0.05	<5	<5	<5	<10	24.5	Pre
2007	3	12	10:28 AM									<5				Pre
2004	10	4	10:13 AM	<2	<10		<1	<5	<5	<0.05	<5	<5	<5	7	<5	Pre
2003	4	8	9:36 AM	<2	<10		<1	<5	<5	<0.1	6	<5	<5	<5	5	Pre
2003	1	28	1:58 PM	<2	<10		<1	<5	<5	<0.1	<5	<5	<5	9	<5	Pre
2002	4	8	12:53 PM	<2	<10		<1	18	14	<0.5	19	12	<5	<5	61	Pre
2001	10	1	11:45 AM									<10				Pre
2001	8	6	10:50 AM									<10				Pre
2001	6	4	12:46 PM									<10				Pre
2001	5	7	10:33 AM									<10				Pre
2001	4	2	11:54 AM	<5	<10		<5	<5	<5	<0.5	<10	12	<10	<10	36	Pre
2000	11	15	10:08 AM	<5	<10		<5	<5	<5	<0.5	<10	<10	<10	<10	13	Pre
2000	7	26	10:13 AM	<10	<10		<5	<10	<10	<0.5	<25	7	<5	6	16	Pre
2000	5	16	9:58 AM	<10	<10		<5	<10	<10	<0.5	<25	<3	<5	<3	<5	Pre
2000	1	24	11:29 AM	<10	<10		<5	<10	<10	<0.5	<25	4	<5	<3	7	Pre

IR WBID OK120420010010_00				OWRB WBID 120420010010-001AT						Arkansas River											
Sampling Agency: Oklahoma Water Resources Board									County: Tulsa												
Sampling Location: Latitude 35.95585307 Longitude -95.88622562 (ARK-2) (US 64, Bixby)																					
Year	Month	Date	Time	Methyl tert-butyl ether µg/l	Methyl isobutyl ketone µg/l	Methyl ethyl ketone µg/l	Methylene chloride µg/l	Methylcyclohexane µg/l	Methyl acetate µg/l	Methyl parathion µg/l	Malathion µg/l	Methoxychlor µg/l	Lindane µg/l	Cumene µg/l	Isophorone µg/l	Indeno[1,2,3-cd] pyrene µg/l	Hexachloroethane µg/l	Hexachlorocyclopentadiene µg/l	Hexachlorobutadiene µg/l	Hexachlorobenzene µg/l	
2003	5	14	12:00 PM	<10	<10	<10	<10	<10	<10	<0.048	<0.048	<0.006	<0.002	<10	<10	<10	<10	<10	<10	<10	<0.002
2003	4	8	9:36 AM	<10	<10	<10	<10	<10	<10	<0.048	<0.048	<0.006	<0.002	<10	<10	<10	<10	<10	<10	<10	<0.002
2002	11	6	2:00 PM		<500	<500	<250			<0.048	<0.048	<0.006	<0.002		<10	<10	<10	<10	<10	<10	<0.002
2002	5	6	3:12 PM		<10	<10	<5			<0.048	<0.048	<0.006	<0.002		<10	<10	<10	<10	<10	<10	<0.002
2002	3	11	12:00 PM		<10	<10	<5			<0.048	<0.048	<0.006	<0.002		<10	<10	<10	<10	<10	<10	<0.002

Year	Month	Date	Time	Heptachlor µg/l	Azinphos-methyl µg/l	Fluorene µg/l	Fluoranthene µg/l	Ethylbenzene µg/l	Parathion µg/l	Endosulfan µg/l	Endrin µg/l	Dimethyl phthalate µg/l	Dilution Factor, Purgeables µg/l	Dilution Factor, Extractables µg/l	Diethyl phthalate µg/l	HCFC-21 µg/l	Chlorodibromomethane µg/l	Dibenzofuran µg/l	Dibenz[a,h]anthracene µg/l	Di-n-octyl phthalate µg/l	Dibutyl phthalate µg/l	
2003	5	14	12:00 PM	<0.002	<0.048	<10	<10	<10	<0.048	<0.01	<0.002	<10	1	1	<10	<10	<10	<10	<10	<10	<10	<10
2003	4	8	9:36 AM	<0.002	<0.048	<10	<10	<10	<0.048	<0.01	<0.002	<10	1	1	<2	<10	<10	<10	<10	<10	<10	<10

2002	11	6	2:00 PM	<0.002	<0.048	<10	<10	<250	<0.048	<0.01	<0.002	<10	50	1	<10		<250	<10	<10	<10	<10
2002	5	6	3:12 PM	<0.002	<0.048	<10	<10	<5	<0.048	<0.01	<0.002	<10	1	1	<10		<5	<10	<10	<10	<10
2002	3	11	12:00 PM	<0.002	<0.048	<10	<10	<5	<0.048	<0.01	<0.002	<10	1	1	<10		<5	<10	<10	<10	<10

Year	Month	Date	Time	Demeton µg/l	Chlorpyrifos µg/l	Cyclohexane µg/l	Chyrsene µg/l	Chloromethane µg/l	Chloroform µg/l	Chloroethane µg/l	Chlorobenzene µg/l	Carbon tetrachloride µg/l	Carbon disulfide µg/l	Chlordane µg/l	Butyl benzyl phthalate µg/l	Methyl bromide µg/l	Tribromomethane µg/l	Dichlorobromomethane µg/l	Di(2-ethylhexyl) phthalate µg/l	Bis(2-chloroisopropyl) ether µg/l	Bis(2-chloroethyl) ether µg/l
2003	5	14	12:00 PM	<0.048	<0.01	<10	<10	<10	<10	<10	<10	<10	<10	<0.032	<10	<10	<10	<10	<10	<10	<10
2003	4	8	9:36 AM	<0.048	<0.01	<10	<10	<10	<10	<10	<10	<10	<10	<0.032	<10	<10	<10	<10	<10	<10	<10
2002	11	6	2:00 PM	<0.048	<0.01		<10	<500	<250	<500	<250	<250	<250	<0.032	<10	<500	<250	<250	<10	<10	<10
2002	5	6	3:12	<0.048	<0.01		<10	<10	<5	<10	<5	<5	<5	<0.032	<10	<10	<5	<5	<10	<10	<10
2002	3	11	12:00 PM	<0.048	<0.01		<10	<10	<5	<10	<5	<5	<5	<0.032	<10	<10	<5	<5	<10	<10	<10

Year	Month	Date	Time	N-Nitrosodi-n-propylamine µg/l	N-Nitrosodiphenylamine µg/l	Nitrobenzene µg/l	Naphthalene µg/l	Mirex µg/l	Bis(2-chloroethoxy)methane µg/l	Benzyl alcohol µg/l	Benzoic acid µg/l	Benzo[k]fluoranthene µg/l	Benzo[ghi]perylene µg/l	Benzo(b)fluoranthene µg/l	Benzo[a]pyrene µg/l	Benz[a]anthracene µg/l	Benzene µg/l	Anthracene µg/l	Acetone µg/l	Acenaphthylene µg/l	Acenaphthene µg/l	Aldrin g/l
2003	5	14	12:00 PM	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.006
2003	4	8	9:36 AM	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.006
2002	11	6	2:00 PM	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<250	<10	25,000	<10	<10	<0.006
2002	5	6	3:12 PM	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<5	<10	<10	<10	<10	<0.006
2002	3	11	12:00 PM	<10	<10	<10	<10	<0.048	<10	<10	<50	<10	<10	<10	<10	<10	<5	<10	3	<10	<10	<0.006

Year	Month	Date	Time	p-Nitrophenol µg/l	p-Nitroaniline µg/l	p-Cresol µg/l	p-Chlorophenyl phenyl ether µg/l	p-Chloroaniline µg/l	BDE-003 µg/l	4,6-Dinitro-o-cresol µg/l	m-Nitroaniline µg/l	3,3'-Dichlorobenzidine µg/l	o-Nitrophenol µg/l	o-Nitroaniline µg/l	o-Cresol µg/l	2-Methylnaphthalene µg/l	2-Hexanone µg/l	o-Chlorophenol µg/l	2-Chloronaphthalene µg/l	2-Chloroethyl vinyl ether µg/l	2,6-Dinitrotoluene µg/l	2,4-Dinitrotoluene µg/l	2,4-Dinitrophenol µg/l	2,4-Dimethylphenol µg/l
2003	5	14	12:00 PM	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10	<10	<10	<10		<10	<10	<50	<10
2003	4	8	9:36 AM	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10	<10	<10	<10		<10	<10	<50	<10
2002	11	6	2:00 PM	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10	<500	<10	<10	<500	<10	<10	<50	<10
2002	5	6	3:12 PM	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10
2002	3	11	12:00 PM	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10

Year	Month	Date	Time	2,4-Dichlorophenol µg/l	2,4-D µg/l	2,4,6-Trichlorophenol µg/l	2,4,5-Trichlorophenol µg/l	p-Dichlorobenzene µg/l	m-Dichlorobenzene µg/l	o-Dichlorobenzene µg/l	Ethylene dibromide µg/l	1,2-Dibromo-3-chloropropane µg/l	1,2-Dichloropropane µg/l	1,2-Dichloroethane µg/l	1,2,4-Trichlorobenzene µg/l	1,1-Dichloroethylene µg/l	1,1-Dichloroethane µg/l	CFC-113 µg/l	1,1,2-Trichloroethane µg/l	1,1,1,2-Tetrachloroethane µg/l	1,1,1-Trichloroethane µg/l	1,3-Dichloropropene µg/l	trans-1,2-Dichloroethylene µg/l	p-Chloro-m-cresol µg/l
2003	5	14	12:00 PM	<10	<0.086	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2003	4	8	9:36 AM	<10	<0.086	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2002	11	6	2:00 PM	<10	<0.086	<10	<10	<10	<10	<10			<250	<250	<10	<250	<250		<250	<250	<250	<250	<250	<10
2002	5	6	3:12 PM	<10	<0.086	<10	<10	<10	<10	<10			<5	<5	<10	<5	<5		<5	<5	<5	<5	<5	<10
2002	3	11	12:00 PM	<10	<0.086	<10	<10	<10	<10	<10			<5	<5	<10	<5	<5		<5	<5	<5	<5	<5	<10

Year	Month	Date	Time	2,4-Dichlorophenol µg/l	cis-1,3-Dichloropropene µg/l	cis 1,2-dichloroethane µg/l	Vinyl acetate µg/l	Vinyl chloride µg/l	CFC-11 µg/l	Trichloroethylene µg/l	Xylenes, m- & p- Mix µg/l	Toluene µg/l	Tetrachloroethylene µg/l	Toxaphene µg/l	Total PCBs µg/l	Styrene µg/l	Silvex µg/l	Pyrene µg/l	Phenol µg/l	Phenanthrene µg/l	Pentachlorophenol µg/l	p,p'-DDT µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2003	5	14	12:00 PM	<10	<10	<10		<10	<10	<10	<10	<10	<10	<0.029	<0.19	<10	<0.012	<10	<10	<10	<0.12	<0.003	Pre
2003	4	8	9:36 AM	<10	<10	<10		<10	<10	<10	<10	<10	<10	<0.029	<0.19	<10	<0.012	<10	<10	<10	<0.12	<0.003	Pre
2002	11	6	2:00 PM	<10	<250		<500	<500		<250	<250	<250	<250	<0.029	<0.19	<250	<0.012	<10	<10	<10	<0.12	<0.003	Pre

2002	5	6	3:12 PM	<10	<5		<10	<10		<5	<5	<5	<5	<0.029	<0.19	<5	<0.012	<10	<10	<10	<0.12	<0.003	Pre
2002	3	11	12:00 PM	<10	<5		<10	<10		<5	<5	<5	<5	<0.029	<0.19	<5	<0.012	<10	<10	<10	<0.12	<0.003	Pre

IR WBID OK120420010010_00				OWRB WBID 120420010010-002SR				Arkansas River											
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa											
Sampling Location: Latitude 35.9737439 Longitude -95.92108136 (ARK-3) (US 75, Jenks)																			
Year	Month	Date	Time	Temp., Water (°C)	pH	Dissolved Oxygen		TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L
						mg/l	Sat.												
2002	12	9	11:47 AM	7	7.8	11.47	97.3	1,737	26	2,709	<0.05	1.19	0.05	0.54	1.755	0.162	0.163		
2002	11	6	5:00 PM	10.11	7.83	10.35	89.9	1,616	33	2,591	0.07	1.11	<0.05	0.23	1.41	0.144	0.156	442	102
2002	9	30	9:55 AM																
2002	9	3	9:20 AM																
2002	7	8	9:50 AM																
2002	5	6	11:59 AM	23.85	8.33	9.55	119.2	1,104	4	1,725	<0.05	0.16	0.08	0.9	1.085	0.008	0.085		
2002	4	8	9:57 AM	12	7.76	9.32	87.1	740	32	1,143	<0.05	0.56	0.17	0.85	1.435	0.124	0.225		
2002	3	12	10:00 AM	8.23		9.94	88.8	1,382	24	2,160	<0.05	0.33	<0.05	0.77	1.125	0.026	0.066		
2002	2	5	11:00 AM	12.81	7.15	7.8	76.4	959	11	1,498	<0.05	0.49	<0.05	0.52	1.035	0.037	0.064	306	101
2002	1	7	11:45 AM	2.34	7.71	13.5	99.7	828	6	1,293	<0.05	2.19	0.06	0.83	3.045	0.691	2.532		
2001	9	10	10:00 AM								<0.05	<0.05	<0.05	0.69	0.74	0.039	0.13		
2001	8	6	1:44 PM																
2001	8	6	10:00 AM	30.71	8.58	6.57	90.6	954	8	1,491	0.06	0.12	0.22	0.94	1.12	0.091	0.172		
2001	7	9	10:00 AM	27.48	8.09	7.47	98.1	881	6	1,490	<0.05	0.46	0.05	0.48	0.965	0.066	0.136		

Year	Month	Date	Time	T. Hardness mg/L CaCO ₃	Alk. mg/L	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
															Severity	Size	
2002	12	9	11:47 AM	284	104	21-40				511	Mod.	None	None	None	None		Pre
2002	11	6	5:00 PM	301	111	0				508	None	None	None	Mild	None		Pre
2002	9	30	9:55 AM				63	50	300								Pre
2002	9	3	9:20 AM				41	20	130								Pre
2002	7	8	9:50 AM				10	<10	100								Pre
2002	5	6	11:59 AM	374	176	21-40	20	30	70	309	None	None	None	None	None	Small	Pre
2002	4	8	9:57 AM	216	100	41-60				422	Serious	Mod.	Serious	Serious	Serious	Small	Pre
2002	3	12	10:00 AM	188	102	0				359	None	None	None	None	Mild	Small	Pre
2002	2	5	11:00 AM	120	67	0				379	None	None	None	None	None	Small	Pre
2002	1	7	11:45 AM	288	133				600	255							Pre
2001	9	10	10:00 AM				63	110	2,200								Pre
2001	8	6	1:44 PM				<10	10	<10								Pre
2001	8	6	10:00 AM	276	140					376							Pre
2001	7	9	10:00 AM	227	109		<10	200	10	406							Pre

IR WBID 120420010010_00				INCOG WBID RMAR-5				Arkansas River										
Sampling Agency: INCOG								County: Tulsa										
Sampling Location: Latitude 36.025040 Longitude -95.954928 (ARK-4) (96 St. Bridge)																		
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	TDS (mg/L)	Cd, Total (mg/L)	Pb, Total (mg/L)	Fecal Coliform (cfu/100 ml)	Enterococcus (mpn/100 ml)	Comments
2013	9	17	1:45 PM	14.9	13	None	7.92	25.41	87.8	7.17	151	1,173	630	0.0014	0.18	80	7.4	
2013	8	12	1:25 PM	46.2	50	None	7.82	27.89	93.9	7.35	151	873	500	0.002	<0.002	6	50	
2013	7	16	2:05 PM	11.5	13	None	8.23	28.56	105.7	8.17	177	1,282	710	<0.001	<0.002	360	41	
2013	6	17	1:47 PM	34.8	41	None	7.84	25.12	86.6	7.11	172	1,497	830	<0.001	0.017	530	460	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early (before sampling) on 6/17/13. Tulsa International Airport - 0.70" early (before sampling) on 6/17/13.
2012	11	13	2:17 PM	14.2	6	None	8.43	11.98	146.5	15.73	190	1,525	790	<0.001	<0.007	1,200	32	
2012	10	22	2:00 PM	7.7	6	None	8.28	21.80	110.7	9.68	217	1,811	933	<0.001	<0.007	530	54	

IR WBID 120420010010_00				INCOG WBID RMAR-6				Arkansas River										
Sampling Agency: INCOG								County: Tulsa										
Sampling Location: Latitude 35.957638 Longitude -95.886679 (ARK-5) (Hwy 64 Bridge)																		
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	TDS (mg/L)	Cd, Total (mg/L)	Pb, Total (mg/L)	Fecal Coliform (cfu/100 ml)	Enterococcus (mpn/100 ml)	Comments
2013	9	18	11:20 AM	15.0	13	None	7.98	26.19	94.7	7.63	149	1,158	610	0.0012	<0.002	100	50	
2013	9	4	11:10 AM			None	7.85	27.51	86.6	6.81	176	1,431			<0.002			
2013	8	20	11:05 AM	87.8	91	None	7.65	26.27	93.6	7.53	119	878	540	0.0034	<0.002	12	110	High turbidity and brown color due to high flow releases from Keystone Lake noted during sampling on 8/20/13. No antecedant rain within the past 5 days.
2013	7	17	10:45 AM	18.9	18	None	8.09	28.07	92.4	7.20	183	1,283	700	<0.001		570	240	Pb was 24 ppb, but the field duplicate was below the detection limit for the 7/17/13 samples. Pb was resampled due to this significant discrepancy.
2013	6	18	10:40 AM	45.8	45	None	7.74	24.49	84.8	7.06	173	1,482	850	<0.001	<0.002	96	220	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early on 6/17/13. Tulsa International Airport - 0.70" early on 6/17/13.

2012	11	15	11:18 AM	3.9	4	None	8.51	9.95	139.7	15.73	201	1,525	870	<0.001	<0.007	190	7.4	
2012	10	24	11:12 AM	10.8	11	None	8.27	21.43	106.8	9.41	216	1,699	926	<0.001	<0.007	1,120	45	

IR WBID OK120420010010_00				INCOG WBID Site 6					Arkansas River	
Sampling Agency: INCOG									County: Tulsa	
Sampling Location: Latitude 36.061084 Longitude -95.983751 (ARK-7)										
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Comments	
2011	9	7	11:11 AM	8.53	21.2	10.52	119.6	2,061		
2011	8	16	7:18 PM	9.15	30.64	10.28	138.4	1,606		
2011	8	16	12:50 PM	8.73	30.72	10.21	137.7	1,561		
2011	8	16	6:04 AM	8.61	25.67	5.37	66.0	1,356		
2011	6	9	10:43 AM	8.27	24.36	8.72	104.9	2,408		
2011	5	9	11:47 AM	8.70	24.88	11.48	140.2	2,408		
2010	10	7	11:10 AM	8.25	21.47	8.82	100.5	1,408		
2010	9	22	11:18 AM	8.25	25.60	8.77	108.2	1,490		
2010	8	5	11:15 AM	8.04	29.27	6.34	83.1	1,147		

IR WBID OK120420010010_00				INCOG WBID Site 7					Arkansas River	
Sampling Agency: INCOG									County: Tulsa	
Sampling Location: Latitude 36.024720 Longitude -95.956416 (ARK-4) (96th St. Bridge)										
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Comments	
2011	9	7	11:30 AM	8.26	20.99	8.53	96.3	1,913		
2011	8	16	6:53 PM	9.08	31.12	10.89	147.3	1,469		
2011	8	16	6:56 PM	9.09	31.07	11.13	150.4	1,468	Duplicate Sample	

2011	8	16	11:40 AM	8.29	27.65	8.02	102.3	1,468	
2011	8	16	5:50 AM	8.39	26.61	5.65	70.8	1,402	
2011	8	1	11:23 AM	8.65	30.65	9.54	128.5	2,139	
2010	10	7	11:42 AM	8.29	21.56	9.43	107.5	1,403	
2010	9	22	11:38 AM	8.21	25.55	8.39	103.0	1,503	
2010	8	5	11:37 AM	8.06	29.18	6.60	86.5	1,140	

IR WBID OK120420010010_00				INCOG WBID Site 8					Arkansas River			
Sampling Agency: INCOG								County: Tulsa				
Sampling Location: Latitude 35.956617 Longitude -95.886855 (ARK-5)												
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Hardness (mg/L)	Pb, Total (mg/L)	TDS (mg/L)	Comments
2011	9	7	12:55 PM	8.74	23.14	11.08	130.1	2,019	263	<0.005	1,120	
2011	8	16	6:20 PM	9.17	31.30	11.18	152.1	1,275				
2011	8	16	10:30 AM	8.54	27.46	8.18	103.8	1,249				
2011	8	16	10:40 AM	8.54	27.50	8.13	103.4	1,249				Duplicate Sample.
2011	8	16	5:25 AM	7.93	26.54	5.63	70.3	1,183				
2011	8	1	12:30 PM	8.83	33.84	10.21	145.3	2,148	250	<0.005	1110	
2011	6	9	12:40 PM	8.32	25.92	9.68	120.1	2,399	279	0.018	1290	
2011	5	9	1:20 PM		26.62	13.04	164.1	2,509	289	<0.007	1350	
2011	3	10	12:55 PM	8.65	9.72	14.76	130.4	2,095	286	<0.007	1160	
2011	1	25	1:20 PM	8.88	6.12	20.78	166.9	2,110	279	<0.007	1140	TDS analyzed outside hold time.
2011	1	25	1:30 PM	8.64	7.10	17.24	143.8	2,022	280			Duplicate Sample.
2010	12	15	1:15 PM	8.41	7.36	13.13	109.9	2,304	273	<0.007	1180	
2010	11	15	1:05 PM	8.55	11.99	13.01	121.1	1,093	208	<0.007	583	
2010	10	7	1:15 PM	8.59	21.98	11.45	131.9	1,384	204	<0.0070	646	
2010	10	7	1:25 PM	8.60	22.48	11.07	128.3	1,383	204			Duplicate Sample.

2010	9	22	1:05 PM	8.39	26.56	9.36	117.2	1,481	205	<0.0070	665	
2010	9	22	1:13 PM	8.40	26.41	9.61	119.9	1,472	211			Duplicate Sample.
2010	8	5	1:10 PM	8.18	29.62	7.22	95.2	1,138	179	<0.0070	286	
2010	6	23	2:42 PM	8.00	28.75	7.82	100.3	752	146	<0.0070	494	

IR WBID OK120420010010_10				INCOG WBID Site 5				Arkansas River	
Sampling Agency: INCOG								County: Tulsa	
Sampling Location: Latitude 36.090125 Longitude -95.989166 (ARK-6) (I-44 or 51st St. Bridge)									
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Comments
2011	8	16	7:34 PM	9.26	30.69	10.19	137.0	1,551	
2011	8	16	1:25 PM	8.86	30.43	10.88	145.7	1,631	
2011	8	16	6:25 AM	8.33	26.42	5.73	71.6	1,648	
2011	5	9	10:50 AM	8.61	23.79	10.35	123.7	2,632	
2010	9	22	10:53 AM	8.19	25.73	8.27	102.1	1,529	
2010	8	5	10:20 AM	8.02	29.22	6.18	80.8	1,150	

IR WBID OK120420010010_10			OWRB WBID 120420010010-001SR					Arkansas River												
Sampling Agency: Oklahoma Water Resources Board							County: Tulsa													
Sampling Location: Latitude 36.13172535 Longitude -95.99231021 (ARK-8) (21st St. Bridge, Tulsa)																				
Year	Month	Date	Time	Temp., Water (°C)	pH	Dissolved Oxygen		TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L	Ortho-phosphate mg/L	T. Phos. mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Periphyton Severity %
						mg/l	Sat.													
2003	8	19	8:00 AM																	
2002	9	30	9:15 AM																	
2002	9	3	8:35 AM																	
2002	5	6	10:41 AM	21.94	8.14	7.65	92.2	1,412	12.0	2,206	<0.05	<0.05	0.2	1.16	1.21	0.007	0.088	270	130	21-40
2002	1	7	10:30 AM	1.58	7.96	12.61	91.2	712.7	9.0	1,114	0.06	0.4	0.07	0.61	1.07	0.017	0.212	324	133	
2001	9	10	11:30 AM								<0.05	0.06	<0.05	0.52	0.605	0.048	0.114			
2001	9	10	11:30 AM																	
2001	8	6	9:00 AM	30.55	8.42	6.69	88.9	1,002	14.0	1,399	<0.05	<0.05	<0.05	1.01	1.06	0.101	0.222	311	155	
2001	7	9	11:30 AM	27.13	7.83	6.46	84.8	900	8.0	1,373	<0.05	0.52	<0.05	0.56	1.105	0.077	0.162	244	114	

Year	Month	Date	Time	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted ata Pre = Preliminary Data
												Severity	Size	
2003	8	19	8:00 AM	10	110	20								Pre
2002	9	30	9:15 AM	74	20	200								Pre
2002	9	3	8:35 AM	41	50	110								Pre
2002	5	6	10:41 AM	52	200	400	273	None	Mild	Mild	Mild	None	Small	Pre

2002	1	7	10:30 AM			10	260									Pre
2001	9	10	11:30 AM	41	250	800										Pre
2001	9	10	11:30 AM	41	300	1,000										Pre
2001	8	6	9:00 AM	20	<10	20	379									Pre
2001	7	9	11:30 AM	52	30	200	368									Pre

IR WBID OK120420010010_10				INCOG WBID RMAR-2				Arkansas River								
Sampling Agency: INCOG							County: Tulsa									
Sampling Location: Latitude 36.142783 Longitude -96.004350 (ARK-9) (11th St. Bridge, Tulsa)																
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Cd, Total (mg/L)	Pb, Total (mg/L)	Fecal Coliform (cfu/100 ml)	Comments
2013	9	17	10:50 AM	12.7	12	None	7.80	25.14	78.5	6.45	149	1,168	0.0018	<0.002	25	
2013	8	12	10:15 AM	47.0	47	None	7.68	27.77	92.7	7.27	147	870	0.002	<0.002	19	
2013	7	16	10:50 AM	16.0	18	None	7.91	25.80	83.0	6.73	175	1,271	<0.001	<0.002	390	
2013	6	17	10:45 AM	35.0	36	None	7.71	23.70	77.4	6.53	168	1,472	<0.001	<0.002	860	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early (before sampling) on 6/17/13. Tulsa International Airport - 0.70" early (before sampling) on 6/17/13.
2012	11	13	11:05 AM	7.2	4	None	8.12	9.97	121.7	13.65	215	1,818	<0.001	<0.007	480	
2012	10	22	10:55 AM	12.0	8	None	7.97	20.74	93.8	8.35	220	1,825	0.003	<0.007	2,500	

IR WBID OK120420010010_10			INCOG WBID RMAR-3				Arkansas River									
Sampling Agency: INCOG										County: Tulsa						
Sampling Location: Latitude 36.131758 Longitude -95.992283 (ARK-8) (21st St. Bridge, Tulsa)																
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Cd, Total (mg/L)	Pb, Total (mg/L)	Fecal Coliform (cfu/100 ml)	Comments
2013	9	17	11:20 AM	15.8	11	None	7.81	25.37	78.1	6.39	137	1,160	0.0013	<0.002	11	
2013	8	12	11:00 AM	46.9	46	None	7.67	27.79	83.1	6.51	146	870	0.002	<0.002	13	
2013	7	16	11:30 AM	11.7	14	None	7.64	26.24	69.8	5.63	172	1,274	<0.001	<0.002	160	
2013	6	17	11:25 AM	32.4	34	None	7.65	23.94	76.0	6.39	159	1,487	<0.001	<0.002	38	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early (before sampling) on 6/17/13. Tulsa International Airport - 0.70" early (before sampling) on 6/17/13.
2012	11	13	11:45 AM	3.2	3	None	8.26	9.85	123.6	13.93	216	1,783	<0.001	<0.007	220	
2012	10	22	11:32 AM	4.8	4	None	7.94	20.63	94.3	8.48	216	1,831	<0.001	<0.007	180	

IR WBID OK120420010010_10			INCOG WBID RMAR-4 (Up)				Arkansas River									
Sampling Agency: INCOG										County: Tulsa						
Sampling Location: Latitude 36.121595 Longitude -95.987133 (ARK-10) (Upstream of Spillway at Pedestrian Bridge)																
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Cd, Total (mg/L)	Pb, Total (mg/L)	Fecal Coliform	Comments
2013	9	17	12:00 PM	13.6	12	None	7.81	25.19	78.4	6.43	149	1,173	0.0012	<0.002	33	No water.
2013	9	4	9:40 AM			None	7.55	26.34	60.0	4.83		1,417			<10	
2013	8	12	11:47 AM	45.8	50	None	7.74	27.26	82.0	6.48	151	867	0.002	<0.002		

2013	7	16	1:00 PM	10.2	14	None	7.70	27.10	68.6	5.44	174	1,276	<0.001	<0.002	97	
2013	6	17	12:05 PM	29.6	31	None	7.67	23.96	71.5	6.01	160	1,434	<0.001	<0.002	50	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early (before sampling) on 6/17/13. Tulsa International Airport - 0.70" early (before sampling) on 6/17/13. **No water flowing over low water dam on 9/17/13.
2012	11	13	12:27 PM	1.8	1	None	8.09	10.60	115.0	12.74	196	1,585	<0.001	<0.007	170	
2012	10	22	1:15 PM	3.2	3	None	7.92	20.78	93.0	8.28	213	1,832	<0.001	<0.007	84	

IR WBID OK120420010010_10				INCOG WBID RMAR-4 (Down)				Arkansas River				
Sampling Agency: INCOG								County: Tulsa				
Sampling Location: Latitude 36.121509 Longitude -95.987008 (ARK-10) (Downstream of Spillway at Pedestrian Bridge)												
Year	Month	Date	Time	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Conductivity (mmhos/cm)	Comments			
2013	9	4	9:48 AM	7.66	26.33	89.9	7.22	1,412				
2013	7	16	1:17 PM	7.77	26.18	89.7	7.24	1,271				
2013	6	17		24.00	85.2	7.18	1,398		Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early (before sampling) on 6/17/13. Tulsa International Airport - 0.70" early (before sampling) on 6/17/13.			
2012	11	13	12:45 PM	8.10	10.50	118.3	13.17	1,575				
2012	10	22	1:28 PM	8.01	20.67	101.8	9.05	1,831				

IR WBID OK120420010010_10				INCOG WBID Site 2				Arkansas River			
Sampling Agency: INCOG								County: Tulsa			
Sampling Location: Latitude 36.142783 Longitude -96.004350 (ARK-9) (11th St. Bridge)											
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Hardness (mg/L)	Cd (mg/L)	Comments
2011	9	7	9:10 AM	8.48	20.18	8.69	96.6	2,102	264	0.003	
2011	8	16	8:23 PM	9.00	30.23	9.62	128.6	1,832			
2011	8	16	2:50 PM	8.91	29.81	9.74	129.2	1,814			
2011	8	16	7:14 AM	8.60	27.24	5.91	74.7	1,790			
2011	8	1	9:45 AM	8.21	29.14	6.06	79.5	2,195	256	<0.001	
2011	6	9	9:10 AM	8.06	22.78	7.65	89.6	2,403	287	<0.001	
2011	5	9	10:10 AM	8.47	23.20	8.99	106.1	2,634	300	0.001	
2011	3	10	10:20 AM	8.19	7.16	12.72	105.9	2,117	284	<0.001	
2011	1	25	10:15 AM	8.20	3.51	14.87	111.8	2,338	289	<0.001	
2010	12	15	10:10 AM	8.21	5.73			2,117	267	<0.001	
2010	11	15	10:10 AM	8.27	11.88	10.63	97.9	1,552	224	<0.001	
2010	10	7	9:25 AM	8.16	20.40	7.90	88.0	1,408	209	<0.0010	
2010	9	22	9:15 AM	7.99	24.81	7.04	85.2	1,508	198	<0.0010	
2010	8	5	8:55 AM	7.94	28.97	5.30	68.8	1,076	177	0.0014	
2010	6	23	12:14 PM	7.78	27.86	5.89	75.3	792	148	0.0022	
2010	11	5	10:15 AM	8.30	11.98	11.07	103.2	1,551	220		Duplicate Sample

IR WBID OK120420010010_10				INCOG WBID Site 3				Arkansas River	
Sampling Agency: INCOG								County: Tulsa	
Sampling Location: Latitude 36.131758 Longitude -95.992283 (ARK-8) (21st St. Bridge)									
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Comments
2011	9	7	9:50 AM	8.46	20.19	8.81	97.9	2,102	
2011	8	16	8:08 PM	8.97	30.50	9.61	129	1,802	
2011	8	16	2:20 PM	8.81	30.62	9.84	132.5	1,793	
2011	8	16	6:58 AM	8.67	26.65	5.97	74.8	1,720	
2011	8	1	10:20 AM	8.27	29.46	6.58	86.7	2,200	
2011	6	9	9:40 AM	8.07	22.94	8.01	94.3	2,406	
2010	11	15	10:55 AM	8.29	12.44	10.50	98.9	1,570	
2010	10	7	9:50 AM	8.18	20.61	7.79	87.2	1,407	
2010	9	22	9:35 AM	8.01	24.75	6.92	83.7	1,506	
2010	8	5	9:30 AM	7.94	29.20	5.28	69.1	1,080	

IR WBID OK120420010010_10				INCOG WBID Site 4 AD				Arkansas River	
Sampling Agency: INCOG								County: Tulsa	
Sampling Location: Latitude 36.121595 Longitude -95.987133 (ARK-10) (Pedestrian Bridge, Above Dam)									
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Comments
2011	9	7	10:12 AM	8.67	21.97	10.93	125.7	2,098	
2011	8	16	7:51 PM	8.84	30.31	9.58	128.1	1,699	
2011	8	16	1:55 PM	8.68	28.41	8.21	106.4	1,706	
2011	8	16	6:42 AM	8.70	28.05	6.24	80.0	1,680	
2011	8	1	10:38 AM	8.45	30.29	7.26	97.2	2,203	
2011	6	9	9:57 AM	8.06	23.29	6.85	81.0	2,392	
2011	5	9	10:30 AM	8.38	22.73	8.72	101.2	2,592	
2011	3	10	10:55 AM	8.27	7.03	12.97	107.6	2,132	

2010	12	15	11:23 AM	8.22	6.26	13.01	105.5	2,132	
2010	11	15	11:10 AM	8.28	12.70	10.54	99.9	1,482	
2010	10	7	10:13 AM	8.16	20.95	7.42	83.4	1,413	
2010	9	22	10:02 AM	7.98	24.94	6.67	80.9	1,494	
2010	8	5	9:55 AM	7.98	29.02	5.57	72.5	1,051	

IR WBID OK120420010010_10				INCOG WBID Site 4 BD				Arkansas River		
Sampling Agency: INCOG							County: Tulsa			
Sampling Location: Latitude 36.121495 Longitude -95.986881(ARK-10) (Pedestrian Bridge, Below Dam)										
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	Comments	
2011	8	1	10:40 AM	8.39	29.93	6.80	90.6	2,199		
2011	6	9	10:00 AM	8.14	23.26	8.02	94.8	2,391		
2011	3	10	1:00 PM	8.36	6.94	12.92	107.1	2,133		
2010	12	15	11:25 AM	8.29	6.22	13.20	107.6	2,130		
2010	11	15	11:12 AM	8.30	12.77	10.80	102.5	1,536		
2010	10	7	10:16 AM	8.20	20.97	8.45	95.2	1,411		
2010	9	22	10:05 AM	8.05	24.89	7.95	97.0	1,490		
2010	8	5	9:50 AM	8.04	29.00	6.80	88.7	1,054		

IR WBID OK120420010020_00				OCC WBID OK120420-01-0020V				Twin Hills Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)							County: Tulsa						
Sampling Location: Latitude 36.04444444 Longitude -95.91111111 (THC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2001	7	18	11:00 AM	0									
2001	1	23	12:15 PM	0.3									

2000	8	8	10:50 AM												Low flow.
2000	2	4	12:45 PM	0.13											
1999	7	7	1:30 PM												Base flow.
1999	1	15	10:00 AM	0.015											
1998	7	27	12:45 PM	0											
1998	6	18	8:33 AM						290						
1998	6	4	9:15 AM	0.013											
1998	1	22	2:00 PM												

OCC called this Fry Creek, but the IR calls it Twin Hills Creek and the sampling site lat/long coordinates align with Twin Hills Creek.

IR WBID OK120420010025_00				OCC WBID OK120420-01-0025M				Twin Hills Creek Tributary					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.0285 Longitude -95.8973 (THC-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2013	7	30	9:00 AM	0.18									

IR WBID OK120420010030_00				OCC WBID OK120420-01-0030G				Posey Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 35.9636 Longitude -95.9283 (POS-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2012	2	23	1:55 PM		13								Low flow.
2010	9	3	3:00 PM		27								Base flow.
2010	1	12	2:10 PM		1.5								Elevated flow.
2009	9	4	8:30 AM	0									

2009	1	16	12:34 PM		4										Low flow.
2008	8	26	1:35 PM		27										Low flow.
2008	1	31	12:58 PM		4										Flow slightly elevated.
2007	8	23	8:53 AM	0.06	26										
2007	7	27	9:00 AM	0.205	25										
2007	1	9	12:03 PM	1.53	5										
2005	1	12	10:05 AM	0											
2004	8	26	9:12 AM						113						
2004	7	15	1:30 PM	0.93											
2004	6	24	9:35 AM							520					
2004	1	29	9:44 AM	4.94											
2003	9	25	8:45 AM						105						
2003	8	21	7:45 AM						172						
2003	8	13	9:15 AM	0											
2003	7	24	8:35 AM						56						
2003	7	2	10:07 AM	0.69											
2003	6	26	7:20 AM						>2,400						
2003	2	5	2:30 PM												Base flow.
2002	7	22	8:00 AM	0											
2002	2	8	10:20 AM	1.43											
2001	7	22	9:30 AM	0											
2001	1	20	2:00 PM	4.72											
2000	7	11	9:30 AM	0.59											
2000	2	17	9:30 AM	0.926											
1999	7	7	11:15 AM	0.95											
1999	1	20	10:00 AM	0.459											
1998	7	7	10:10 AM												Base flow.
1998	6	1	8:40 AM	0.267											
1998	1	30	10:50 AM												Flow slightly elevated.
1997	7	25	12:30 PM												Low flow.

1994	4	27	1:10 PM	0.768									
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IR WBID OK120420010050_00				OCC WBID OK120420-01-0050L				Joe Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.068273 Longitude -95.9616802 (JOE-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2015	1	23	3:15 PM		8								Base flow.
2014	8	19	4:00 PM		29								Low flow.
2014	3	11	12:00 PM		13								Base flow.

IR WBID OK120420010060_00				OCC WBID OK120420-01-0060G				Fred Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.0515 Longitude -95.9469 (FRE-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments		
2018	9	6	12:30 PM								High flow.		
2018	2	14	9:00 AM		7						Low flow.		
2017	7	28	4:00 PM		34						Baseflow.		
2017	2	11	2:00 PM		19						Low flow.		
2016	8	17	3:00 PM		31						Low flow.		
2016	1	27	3:45 PM		10						Baseflow.		
2015	8	18	9:00 AM		26						Low flow.		
2015	6	30	9:00 AM	0.624	24.5								
2015	1	21	11:00 AM		7						Base flow.		

2014	7	25	1:00 PM		31						Low flow.
2014	3	5	10:45 AM		3						Low flow.
2013	3	11	2:15 PM		14						Low flow.
2013	3	11	1:40 PM		14						Low flow.
2008	8	26	8:40 AM	0.192	25						
2008	1	20	11:19 AM	0.34	7						
2007	8	16	8:30 AM	0.0934	27						
2007	1	9	8:48 AM	0.57	6						
2006	7	27	7:43 AM	0.05	26						
2005	9	29	9:00 AM						238		
2005	8	25	9:00 AM						1,733		
2005	7	21	9:00 AM						461		
2005	7	7	2:49 PM								Low flow.
2005	6	23	9:10 AM						>2400		
2005	1	10	8:50 AM	1.04							
2004	9	16	9:00 AM						1,730		
2004	8	26	9:00 AM						225		
2004	7	22	9:00 AM						150		
2004	7	1	2:12 PM	0.49							
2004	6	24	9:00 AM						1,600		
2004	5	27	9:00 AM						1,700		
2004	1	8	2:11 PM	0.48							
2003	9	25	8:30 AM						548		
2003	8	21	9:00 AM						200		
2003	7	24	9:30 AM						47		
2003	7	1	8:44 AM	0.236							
2003	6	26	9:00 AM						>2,400		
2003	6	26	8:30 AM						>2,400		
2003	1	22	11:30 AM	0.27							
2002	9	19	9:10 AM						>2,419		

2002	8	22	10:45 AM						649		Base flow.
2002	7	18	9:15 AM						867		
2002	7	16	8:00 AM	0.49							
2002	6	20	11:00 AM						1,414		
2002	5	23	9:00 AM						921		
2002	1	16	3:00 PM	0.15							
2001	9	27	9:15 AM						410		
2001	8	23	9:00 AM						1,700		
2001	7	26	9:30 AM						100		
2001	7	18	11:20 AM	0.36							
2001	6	28	9:00 AM						>2,400		
2001	5	31	9:00 AM						1,700		
2001	1	5	10:30 AM	1.07							
2000	9	21	9:00 AM						1,300		
2000	8	8	9:30 AM	0.53							
2000	7	27	10:10 AM						>2,400		
2000	6	29	5:55 AM						1,700		
2000	5	24	11:00 AM						490		
2000	2	4	11:42 AM	1.23							
1999	8	26	8:00 AM						67		
1999	7	29	9:15 AM						200		
1999	7	23	9:30 AM	0.039							
1999	6	24	1:00 AM						>2,400		
1999	5	26	11:45 AM						1,700		
1999	1	15	11:30 AM	0.167							
1998	8	27	9:00 AM					1,200			
1998	7	27	11:00 AM	0.045							
1998	7	23	9:00 AM					770			
1998	6	18	9:00 AM					650			
1998	1	29	1:20 PM	0.58							

1997	9	22	9:00 AM					1,200			
1997	8	18	1:00 AM					0.17			High flow.
1997	7	29	1:00 AM					0.57			High flow.
1997	7	28	1:00 AM					0.105			
1997	7	21	2:54 PM	1.232							
1997	1	7	11:15 AM								Base flow.
1996	10	14	11:15 AM								Base flow.
1996	9	12	3:15 PM								Base flow.
1996	3	14	11:00 AM	0.472							
1995	9	6	1:00 AM					230			
1995	7	31	9:30 AM					280			
1995	7	26	1:00 AM					11,000			
1995	6	28	9:30 AM					1,400			
1994	4	26	8:00 AM	0.027							
1994	4	26	8:30 AM	0.316							

IR WBID OK120420010060_00				OCC WBID OK120420-01-0060K				Fred Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)							County: Tulsa				
Sampling Location: Latitude 36.057186 Longitude -95.935454 (FRE-2)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	Comments
2011	7	18	2:23 PM	0	41						
2011	1	19	2:05 PM		5.5						Base flow.
2010	1	15	10:20 AM	0.78	5						
2009	9	3	11:18 AM	0.706	20						

IR WBID OK120420010070_00				120420-01-0070A				Mooser Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)							County: Tulsa				
Sampling Location: Latitude 36.0875 Longitude -95.993 (MOO-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2013	3	13	2:00 PM	0.376	11						
2000	6	29	5:55 AM						>2,400		
2000	5	24	9:15 AM						290		
2000	2	2	9:00 AM	0.678							
1999	8	26	8:00 AM						330		
1999	7	29	8:45 AM						94		
1999	7	6	9:47 AM	0.483							
1999	6	24	1:00 AM						1,600		
1999	5	26	9:45 AM						1,400		
1999	1	27	9:15 AM	1.23							
1998	8	27	8:40 AM					460			
1998	7	30	8:45 AM	0.119							
1998	7	23	8:40 AM					190			
1998	6	18	8:30 AM					370			
1998	6	3	9:00 AM	0.457							
1998	5	21	1:00 AM					140			
1998	1	23	1:10 PM	1.14							
1997	9	22	1:00 AM					3,000			
1997	7	29	1:00 AM					0.125			High flow.
1997	7	28	1:00 AM					<0.1			
1997	7	21	10:50 AM	1.792							

IR WBID OK120420010070_00				OK120420-01-0070B				Mooser Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa			
Sampling Location: Latitude 36.08558333 Longitude -95.999 (MOO-2)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2018	9	6	10:00 AM								High flow.
2018	3	9	2:30 PM		13						Base flow.
2017	8	28	9:30 AM	0	24						
2017	2	10	6:00 PM		10						Low flow.
2016	8	18	11:00 AM		25						Low flow.
2016	1	27	11:30 AM		3						Base flow.
2015	8	17	10:45 AM		25						Low flow.
2015	6	29	8:30 AM	0.62	24						
2015	1	22	9:00 AM		5						Base flow.
2014	8	19	12:00 PM		23						Low flow.
2013	2	19	9:05 AM	0.217	6.27						
2012	7	20	12:00 AM								No flow.
2012	2	1	9:15 AM		8						Base flow.
2011	7	18	8:30 AM	0.5	28						
2011	1	19	8:26 AM		1.5						Base flow.
2010	6	28	8:22 AM	4.93	25						
2010	1	14	8:12 AM		1						Flow slightly elevated.
2009	9	3	10:45 AM	0							
2009	1	8	1:38 PM								Base flow.
2008	1	31	8:37 AM	0.79	4						
2007	9	26	10:10 AM					<240,000	19,000		
2007	8	22	2:00 PM		28						Low flow.
2007	1	5	11:01 AM	1.76	8						

2006	6	15	9:09 AM		23						Low flow.
2005	9	29	9:45 AM						366		
2005	8	25	9:40 AM						410		Base flow.
2005	7	21	10:57 AM						123		
2005	7	8	8:24 AM								
2005	6	23	9:00 AM						187		
2005	1	11	9:49 AM	0.14							
2004	9	16	9:40 AM						870		
2004	8	26	8:00 AM						520		
2004	7	22	8:15 AM						210		
2004	7	16	9:20 AM	0.73							
2004	6	24	8:10 AM						250		
2004	5	27	8:00 AM						410		
2004	1	9	9:50 AM	1.335							
2003	9	25	8:15 AM						291		
2003	8	21	8:40 AM						145		
2003	8	6	9:00 AM	0.085							
2003	7	24	8:45 AM						33		
2003	7	1	9:57 AM	1.89							
2003	6	26	9:05 AM						>2,400		
2003	1	13	9:30 AM	0.21							
2002	9	19	9:05 AM						>2,419		Base flow.
2002	7	18	9:30 AM						262		
2002	7	17	1:25 PM	0							
2002	6	20	8:45 AM						411		
2002	1	8	12:10 PM	0.21							
2001	9	27	8:45 AM						260		
2001	7	26	7:30 AM						66		
2001	7	19	8:00 AM	0							
2001	6	28	9:45 AM						>2,400		

2001	5	31	8:45 AM						2,400		
2001	1	17	1:00 PM	2.88							
2000	8	9	10:15 AM	0.598							

IR WBID OK120420010070_00				OK120420-01-0070J				Mooser Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa			
Sampling Location: Latitude 36.07944444 Longitude -96.018 (MOO-3)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2001	7	19	8:45 AM	0							
2001	1	22	3:00 PM	3.01							
2000	8	9	9:45 AM								Low flow.
2000	2	2	10:15 AM								Base flow.
1999	7	6	11:30 AM	0.181							
1999	1	27	10:15 AM	0.182							
1998	8	14	10:00 AM	0.078							
1998	6	2	8:50 AM	0.016							
1998	1	23	10:40 AM	0.282							
1997	7	21	9:25 AM	0.967							

IR WBID OK120420010070_00				OK120420-01-0070P				Mooser Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa			
Sampling Location: Latitude 36.0809 Longitude -96.0377 (MOO-4)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2005	9	29	8:00 AM						82		Flow slightly elevated.
2005	8	25	8:00 AM						1,046		
2005	7	21	8:00 AM						817		
2005	6	23	8:00 AM						461		
2005	1	11	10:52 AM	0.971							
2004	9	16	8:00 AM						>2,400		
2004	8	26	8:00 AM						40		
2004	7	22	8:30 AM						1,100		
2004	7	16	1:08 PM	0							
2004	6	24	8:30 AM						1,200		
2004	5	27	8:30 AM						290		
2004	1	9	3:54 PM	0.34							
2003	9	25	9:00 AM						>2,419		
2003	8	4	9:15 AM	0.31							
2003	7	1	10:51 AM	0.19							
2003	6	26	8:00 AM						>2,400		
2003	1	13	11:00 AM								Low flow.
2002	9	19	10:15 AM						>2,419		
2002	7	18	8:15 AM						1,120		
2002	7	17	12:45 PM	0							
2002	6	20	8:30 AM						1,553		
2002	1	8	2:30 PM	0.08							
2001	7	19	8:20 AM	0					310		

2001	6	28	9:40 AM						>2,400		
2001	1	22	2:00 PM	0.3							
2000	8	9	9:15 AM	0							
2000	7	27	10:00 AM						160		
2000	2	2	11:20 AM	0.06							
1999	7	29	7:30 AM						1,200		
1999	7	6	2:00 PM	0.034							
1999	6	24	1:00 AM						2,400		
1999	1	27	11:15 AM	0.272							
1998	7	30	10:30 AM	0							
1998	7	23	8:24 AM					170			
1998	6	18	9:03 AM					21			
1998	6	1	12:15 PM								Base flow.
1998	5	21	1:00 AM					400			
1998	1	23	9:20 AM	0.195							
1997	10	31	1:00 AM					55	37		
1997	9	22	8:40 AM					300			
1997	7	29	1:00 AM					0.12			High flow.
1997	7	28	1:00 AM					<0.1			
1997	7	21	10:10 AM								Base flow.

IR WBID OK120420010090_00				OCC WBID OK120420-01-0090G				Crow Creek								
Sampling Agency: Oklahoma Conservation Commission and Blue Thumb								County: Tulsa								
Sampling Location: Latitude 36.11805556 Longitude -95.97 (CRO-1)																
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	Alk. mg/L	Comments
2018	9	6	6:00 PM		25											Base flow.
2018	3	9	3:30 PM		14											Base flow.
2017	9	11	10:00 AM		21											Base flow.
2017	2	11	12:00 PM		14											Base flow.
2016	7	11	8:30 AM	0.823	25											
2016	2	27	9:15 AM		7											Base flow.
2015	9	2	3:15 PM													Base flow.
2015	1	21	9:00 AM		7											Base flow.
2014	8	18	10:00 AM		23											Base flow.
2014	3	5	12:20 PM		5											Base flow.
2013	7	11	9:00 AM	1	26											
2013	3	12	8:30 AM	0.913	10											
2013	2	19	11:30 AM	1.1539	9.04											
2012	6	13	8:45 AM	0.287	24											
2012	2	2	8:10 AM		10											Base flow.
2011	7	18	12:35 PM	4	30											
2011	3	4	12:30 PM		12											Base flow.
2010	1	15	12:15 PM		9											Base flow.
2009	1	8	3:12 PM		10											Base flow.
2008	8	29	1:13 PM	1.4357	28											

2008	1	9	11:10 AM		10											Base flow.
2007	8	21	8:35 AM	0.91	26											
2007	1	5	12:29 PM	2.53	11											
2006	6	29	8:20 AM	2.23	22				152							
2005	8	25	9:15 AM						390							
2005	7	21	9:21 AM						435							
2005	7	14	8:41 AM	1.05												
2005	6	23	9:15 AM						411							
2005	1	10	10:10 AM	2.51												
2004	9	16	10:05 AM						250							
2004	8	26	9:00 AM						490							
2004	7	22	9:15 AM						1,400							
2004	7	1	12:58 PM	1.15												
2004	6	24	9:05 AM						410							
2004	5	27	9:15 AM						690							
2004	1	8	3:05 AM	1.81												
2003	9	25	9:15 AM						580							
2003	8	21	9:20 AM						220							
2003	7	24	9:20 AM						187							
2003	7	1	12:25 PM	2.64												
2003	6	26	9:50 AM						>2,400							
2003	1	13	8:00 AM	0.742												
2002	12	2	11:00 AM	6.4	7.62		11.1 PT					1.89	716	181		DO was 9.39 at PB. Base flow.
2002	10	21	8:30 AM		13.7	7.12	4.56 RI					4.39	447.9	101		Base flow.
2002	9	19	9:12 AM						>2,419							
2002	8	22	9:20 AM						461							
2002	8	12	8:00 AM		24.1	8.08	3.66 R					3.11	431.1	91		DO was 3.74 in a RI, 3.11 at PT and 2.98 at PB.

2002	8	2	9:45 AM	0.49												
2002	7	18	9:30 AM						613							
2002	7	15	7:00 AM		23.8	7.42	4.56 RI						260.6			DO was 4.11 at PT and 3.98 at PB. Base flow.
2002	7	1	8:00 AM		23.2	7.28	4.31 RI						18.1	518	121	DO was 3.89 at PT and 3.74 at PB. Base flow.
2002	6	24	8:00 AM		22.9	7.99	5.15 RI						1.81	525	35	DO was 4.89 at PT and 4.81 at PB. Base flow.
2002	6	20	9:30 AM						613							
2002	6	10	8:00 AM		22.9	7.93	3.73 R						3.6	408.7	80	DO was 3.74 in a RI, 3.11 at PT and 2.98 at PB.
2002	5	23	10:15 AM						613							Flow slightly elevated.
2002	2	8	1:40 PM	1.06												
2001	9	27	9:00 AM						230							
2001	8	30	9:40 AM						210							
2001	7	31	9:15 AM						330							
2001	7	18	12:45 PM	2.32												
2001	6	28	9:45 AM						>2,400							
2001	5	31	9:40 AM						2,400							
2001	1	22	12:30 PM	4.27												
2000	9	21	9:55 AM						1,400							
2000	8	30	10:00 AM	0.527												
2000	7	27	10:20 AM						2,400							
2000	7	19	9:30 AM	1.24												
2000	6	29	5:55 AM						>2,400							
2000	5	24	8:25 AM						2,000							
2000	1	24	12:45 PM	0.532												
1999	8	26	8:00 AM						180							
1999	8	9	2:00 AM	0.231												
1999	7	29	9:30 AM						260							

1999	6	24	1:00 AM						>2,400							
1999	5	26	9:20 AM						>2,400							
1999	1	27	12:20 PM	0.516												
1998	8	27	9:35 AM					770								
1998	7	29	8:45 AM	0.769												
1998	7	23	9:30 AM					620								
1998	6	18	10:00 AM					650								
1998	5	21	1:00 AM					5,800								
1998	1	23	2:55 PM	0.863												
1997	10	31	1:00 AM					658	370							
1997	9	22	9:00 AM					4,100								
1997	8	18	1:00 AM					0.178								High flow.
1997	7	29	1:00 AM					0.33								High flow.
1997	7	28	1:00 AM					0.11								
1997	7	25	9:17 AM	0.978												
1997	3	14	11:30 AM	0.493												
1997	1	21	9:55 AM													Base flow.
1996	10	14	8:00 AM													Base flow.
1996	9	13	2:00 PM													Base flow.
1996	3	14	11:30 AM	0.492												
1995	9	6	1:00 AM					630								
1995	7	31	10:00 AM					390								
1995	7	26	1:00 AM					4,900								

IR WBID OK120420010130_00					OWRB WBID 120420010130_001AT					Arkansas River											
Sampling Agency: Oklahoma Water Resources Board										County: Tulsa											
Sampling Location: Latitude 36.12393866 Longitude -96.11578343 (ARK-11) (Hwy 97 Sand Springs)																					
Year	Month	Date	Time	Flow	Stream Stage ft.	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L	Ortho-phosphate mg/L	T. Phos. mg/L
								mg/l	Sat.												
2012	9	24	3:48 PM	115 cfs	0.54	26.62	8.63	9.29	116.4		1,141	8.0	1,756			<0.05	0.02	0.65	0.675	0.24	0.107
2012	9	24	3:47 PM								858										
2012	7	23	7:00 PM	1,810 cfs	1.96	30.69	8.01	6.41	86.3		1,200	8.3	1,847			0.22	0.08	0.81	1.03	0.69	0.221
2012	7	23	7:00 PM								874										
2012	5	30	4:39 PM	100 cfs	0.76	27.62	8.63	9.36	119.3		1,064	27.0	1,636			0.61	0.02	0.95	1.56	0.18	0.186
2012	5	30	4:38 PM								879										
2012	3	19	4:29 PM		0	14.84	7.92	9.58	95		782	140.3	1,203			0.47	0.25	1.65	2.12	0.27	0.213
2012	3	19	4:28 PM								646	186.0									
2012	2	21	4:57 PM	8,540 cfs	4.37	8.17	7.88	11.4	97.2		1,070	25.3	1,903			0.91	0.3	0.95	1.86	0.26	0.129
2012	2	21	4:56 PM								1,237										
2011	11	9	10:01 AM		0	11.3	8.21	10.5	96.1		556	127.0	1,032			0.24	0.13	0.7	0.94	0.2	0.144
2011	11	9	10:00 AM								671										
2011	9	6	3:34 PM		0	21	8.5	11.97	135		1,245	4.0	1,916			<0.05	0.03	0.6	0.625	0.35	0.141
2011	9	6	3:34 PM								1,120										
2011	8	1	3:25 PM		0	31.41	8.59	12.91	175.9		1,110	5.3	2,038			<0.05	0.01	0.62	0.645	0.55	0.209
2011	8	1	3:25 PM								1,324										
2011	5	9	3:24 PM	216 cfs	2.81	22.64	8.31	11.15	129.5		505	15.3	778			0.09	<0.08	0.93	1.02	0.07	0.12
2011	5	9	3:24 PM								1,170										
2011	3	14	10:00 AM	1,511	43.5	3.8	7.84	12.9	98.6		1,463	3.0	2,252			0.42	0.06	0.45	0.87	0.09	0.048

2011	3	14	10:00 AM								1,100										
2011	1	19	12:30 PM		0	0.99	7.43	12.24	87		1,650	5.0	3,115			0.36	0.04	0.54	0.9	0.27	0.083
2011	1	19	11:39 AM								2,025										
2010	10	19	4:30 PM	205 cfs	1.86	20.2	7.7	10.74	118.7		196	8.0	301			0.18	0.2	0.41	0.59	0.3	0.109
2010	10	19	4:30 PM								699										
2010	9	20	4:00 PM	4,196 cfs	5.53	27.9	8.06	8.35	107		856	12.0	1,319			0.41	0.01	0.55	0.96	0.49	0.168
2010	9	20	4:00 PM								705										
2010	5	24	7:34 PM		0	13.27	7.32	7.07	67.5		675	14.0	1,039				0.24				
2010	5	4	5:12 PM	11,649 cfs	7.85	21.09	8.02	9.02	101.9		1,254	14.3	1,930			0.44	0.1	0.75	1.19	0.24	0.109
2010	5	4	5:12 AM								1,090										
2010	3	8	3:00 PM	4,671 cfs	5.71	6.65	7.65	12.59	103.3		1,058	10.7	1,628			0.69	0.02	0.5	1.19	0.2	
2010	3	8	3:00 PM								951										
2010	1	20	1:15 PM		5.94	3.67	8.15	12.47	95.1		1,604	11.0	2,468			1.17	0.15	0.4	1.57	0.47	0.14
2010	1	20	1:15 PM								1,320										
2009	10	27	2:54 PM		5.03	15.53	8.14	8.8	88.5		651	56.0	1,002			0.97	0.04	0.59	1.56	0.45	0.164
2009	10	27	2:54 PM								558										
2009	8	18	12:40 PM	2,752 cfs	4.54	24.59	7.9	6.8	82		712	20.0	1,096			0.38	0.03	0.55	0.93	0.43	0.147
2009	8	18	10:01 AM								586										
2009	6	22	2:34 PM	10,560 cfs	7.02	28.54	7.73	6.53	84.5		699	15.3	1,234			0.47	<0.08	0.7	1.17	0.61	0.164
2009	6	22	2:34 PM								801										
2009	5	12	8:10 AM	14,780 cfs	7.93	16.88	7.92	9.65	100		606	54.3	934			0.7	0.27	0.78	1.48	0.43	0.154
2009	5	12	8:10 AM								558										
2009	3	31	11:52 AM	18,000 cfs	8.3	11.8	7.92	12.19	113.3		1,103	15.6	1,696			<0.56	0.08	0.83	1.11	0.32	0.123
2009	3	31	11:52 AM								1,027										
2009	3	3	3:58 PM	2,535 cfs		8.31	7.94	12.77	109.4		1,396	9	2,149			0.8	0.16	0.66	1.46	0.31	0.108
2009	3	3	3:58 PM								1,150										
2009	1	6	8:55 AM	1,788 cfs		3.05	8.02	11.82	89.5		1,080	13	1,697			0.91	0.02	0.6	1.51	0.31	0.136
2009	1	6	8:55 AM								1,103										
2008	10	28	8:40 AM	13,733 cfs	7.67	14.78	8.01	9.33	92.5		873	77	1,343			1.2	0.08	0.7	1.9	0.53	0.197
2008	10	28	8:35 AM								829										

2008	9	9	11:53 AM	12,000 cfs	7.37	24.56	8.03	7.13	85.8		632		972			0.27	0.12	0.55	0.82	0.38	0.105
2008	9	9	11:53 AM								525										
2008	7	7	5:54 PM		12.41	27.59	7.48	9.18	116.8		404	47	621			0.51	0.1	0.55	1.06	0.52	0.202
2008	7	7	5:54 PM								347										
2008	5	27	1:20 PM	40,269 cfs	10.69	22.71	7.88	4.05	47		649	41	999			0.77	0.09	0.74	1.51	0.25	0.14
2008	5	27	1:10 PM								550										
2008	4	28	2:11 PM	14,312 cfs	7.31	16.8	7.78	9.56	98.6		418	69	643			0.54	<0.08	0.85	1.39	0.24	0.145
2008	4	28	2:11 PM								364										
2008	3	16	12:13 PM		7.69	7.88	7.76	11.15	94.5		1,241	26	1,909			1.16	0.28	1.04	2.2	0.17	0.152
2008	3	16	12:13 PM								958										
2008	2	19	1:05 PM	13,600 cfs	7.3	5.88	8.4	11.77	94.8		1,151	6	1,772			1	<0.08	0.68	1.68	0.17	0.119
2008	2	19	1:05 PM								1,010										
2007	12	18	10:34 AM	6,212.7 cfs	6.11	6.05	7.63	11.84	95.5		973	12	2,100			0.8	0.01	0.62	1.42	0.27	0.113
2007	12	18	10:34 AM								1,365										
2007	11	5	12:21 PM	88 cfs	5.81	16.55	7.84	8.1	83.3		675	55	1,038			0.94	0.1	0.82	1.76	0.32	0.177
2007	11	5	12:21 PM								569										
2007	10	1	3:50 PM																		
2007	10	1	1:46 PM				7.89				760	12				0.52	<0.08	0.62	1.14	0.27	0.14
2007	8	13	3:39 PM	25,800 cfs	10.1	30.65	7.61	7.26	97.4		375	10	578			0.08	<0.08	0.59	0.67	0.19	0.201
2007	8	13	3:39 PM								537										
2007	7	16	2:13 PM	106,438 cfs	16.95	26.98	7.76	8.97	112.5		115	33	179			0.35	0.14	0.52	0.87	0.47	0.21
2007	7	16	2:13 PM								449										
2007	6	19	11:29 AM	69,300	15.03	25.22	7.42	8.38	101.8		280	101	420			0.55	0.13	1.07	1.62	0.187	0.281
2007	5	8	10:08 AM	13 cfs	7.7	19.22	7.94	7.46	81		561	61	864			0.59	0.07	0.84	1.43	0.156	0.161
2007	4	9	5:13 PM	18,540 cfs	8.53	14.97	7.96	9.82	97.6		712	79	1,097			0.55	0.31	0.91	1.46	0.188	0.184
2007	4	9	8:08 AM																		
2007	3	12	12:53 PM	55.9 cfs		13.77	8.38	10.1	99		2,651	5	4,080			0.12	<0.05	0.48	0.6	0.011	0.022
2007	1	30	9:50 AM	12 cfs		1.27	8.44	15.85	113		986	5	1,519			<0.05	<0.05	0.43	0.44	<0.005	0.016

2006	12	6	10:28 AM	44 cfs		4.65	7.82	10.18	79.6		1,427	7	2,194			0.27	0.09	0.47	0.74	0.052	0.068
2006	11	8	10:00 AM			14.1	7.85	10.07	103.5		1,000	10	1,561			<0.05	<0.05	0.55	0.575	0.039	0.07
2006	10	2	12:30 PM		3.18	24.6	8.18	6.87	85.4		1,103	9	1,723			0.11	<0.05	0.54	0.65	0.049	0.087
2006	9	5	8:40 AM																		
2006	8	22	11:45 AM	150 cfs	3.14	25.56	7.9	4.98	60.9		961	34	1,502			0.12	0.09	0.6	0.72	0.109	0.146
2006	8	21	10:57 AM																		
2006	8	7	10:08 AM																		
2006	7	24	12:45 PM																		
2006	7	17	9:04 AM		44.19	27.33	7.48	4.61	59.7		1,240	5	1,930			0.12	0.18	0.69	0.81	0.175	0.221
2006	6	26	10:42 AM																		
2006	6	12	9:54 AM		45.22	24.95	7.85	6.74	85.2		915	5	1,430			0.21	<0.05	0.58	0.79	0.093	0.142
2006	5	23	8:45 AM	33,309 cfs	9.33	21.24	8.2	7.86	89.1		1,389	28	2,170			0.22	0.07	0.64	0.86	0.068	0.105
2006	4	3	2:56 PM	1,527 cfs	4.94	16.98	8.06	11.32	116.2		2,116	6	3,306			0.15	<0.05	0.56	0.71	0.024	0.078
2006	2	27	1:21 PM	2,765 cfs	5.57	8.2	8.32	12.87	121.46		1,887	8	2,987			0.16	<0.05	0.61	0.77	0.019	0.075
2006	1	23	8:52 AM	12.75 cfs	2.01	4.42	7.88	7.39	57.7		2,051	5	3,205			0.44	<0.05	0.55	0.99	0.044	0.07
2005	12	6	12:45 PM	3,459 cfs	5.83	6.28	7.64	11.4	93.2		1,414	18	2,210			0.64	<0.05	0.38	1.02	0.093	0.119
2005	10	24	12:29 PM	11,614 cfs	6.43	18.61	7.78	7.94	84.5		727	16	1,138			0.67	<0.05	0.72	1.39	0.121	0.161
2005	8	22	4:00 PM	12,400 cfs	7.16	28.72	7.65	5.63	74		867	21	1,357			0.17	0.06	0.67	0.84	0.155	0.228
2005	7	27	12:50 PM	5,900 cfs	41.84	28	7.78	6.94	89		800	13	1,181			0.31	<0.05	0.52	0.83	0.168	0.208
2005	6	20	3:30 PM	75,700 cfs	31.385	26.29	7.73	14.09	174.1		633	80	990			0.58	0.07	0.63	1.21	0.128	0.213
2005	5	9	5:13 PM	13,171 cfs	40.74	20.75	8.08	9.26	104.1		1,510	13	2,361			0.33	0.05	0.69	1.02	0.086	0.142
2005	2	8	12:45 PM	13,400 cfs	40.08	4.32	8.06	12.03	92.6		1,350	17	2,110	<0.05	0.97		0.06	0.5	1.495	0.14	0.172
2004	12	19	3:08 PM	83.3 cfs	45.17	9.68	7.52	9.65	84.1		1,279	12	1,999	<0.05	0.8		<0.05	0.36	1.185	0.12	0.145
2004	11	8	12:30 PM	57.3 cfs	43.71	15.71	7.87	7.65	77.4		1,533	15	2,395	<0.05	0.31		0.06	0.37	0.705	0.056	0.077
2004	10	4	2:59 PM	22 cfs	44.16	24.55	8.21	10.37	123.9		796	4	1,243	<0.05	0.26		0.05	0.31	0.595	0.075	0.084
2004	8	31	10:00 AM	178.39 cfs	2.092	24.72	7.56	4.21	50.5		628	24	981	<0.05	0.71		0.07	0.5	1.235	0.143	0.171
2004	7	27	10:15 AM	16,800 cfs	39.27	26.95	7.89	6.69	84.5		572	24	894	<0.05	0.56		0.05	0.81	1.395	0.141	0.172
2004	6	15	12:20 PM	13,100 cfs	39.92	25	7.94	6.51	79.7		979	22	1,530	<0.05	0.75		<0.05	0.37	1.145	0.106	0.143
2004	5	18	10:39 AM	35,000 cfs	29.63	21	7.8	8.22	92.5		722	57	1,130	0.09	0.65		0.15	1.02	1.76	0.128	0.175
2004	4	5	5:56 PM	12,890 cfs	39.49	16	7.37	10.74	108.2		1,138	59	1,778	0.09	0.71		0.19	0.75	1.55	0.143	0.158

2004	1	27	8:38 AM	1,780 cfs	43.48	0.53	8.02	11.11	76.4		1,056	6	1,650	<0.05	0.67		<0.05	0.61	1.305	0.07	0.097
2003	12	2	4:00 PM			6.44	8.06	8.51	72.1		719	18	1,120	<0.05	0.93		<0.05	0.36	1.315	0.121	0.125
2003	11	3	5:26 PM			21.11	7.81	5.77	67.5		579	21	905	<0.05	0.91		<0.05	0.71	1.645	0.124	0.145
2003	10	1	12:56 PM			19.42	7.75	9.85	106.4		646.3	21	1,010	<0.05	0.55		<0.05	0.52	1.095	0.083	0.111
2003	9	15	8:24 AM																		
2003	8	11	8:21 AM																		
2003	7	7	8:21 AM																		
2003	7	29	11:00 AM											<0.05	0.22		<0.05	0.65	0.895	0.149	0.162
2003	6	2	12:21 PM																		
2003	6	18	7:47 AM			23	7.29	4.61	54.2		837	33	1,308	<0.05	0.65		<0.05	0.65	1.325	0.126	0.15
2003	5	14	9:00 AM			22.4	7.45	6.2	74.8		1,100	36	1,719	<0.05	0.65		0.06	0.58	1.255	0.066	0.144
2003	4	8	11:41 AM			12.52	7.16	7.38	67.4		1,197	48	1,870	0.05	0.62		0.17	0.44	1.11	0.135	0.137
2003	3	4	9:00 AM			4	8.16	9.39	72.8		2,123	8	3,318	<0.05	0.35		<0.05	0.82	1.195	0.008	0.102
2003	1	28	10:37 AM			5	7.87	9.27	77.1		1,989	8	3,103	<0.05	0.86		<0.05	0.44	1.325	0.062	0.092
2002	12	9	9:49 AM			7	7.69	10.55	86.1		1,859	28	2,898	0.06	1.06		<0.05	0.65	1.77	0.121	0.129
2002	11	6	11:30 AM			9.3	7.71	9.93	78.8		1,711	30	2,793	0.07	1.06		0.05	0.47	1.6	0.125	0.139
2002	9	30	10:40 AM			22.39	7.61	6.35	71.9		626.7	74	979	0.07	0.95		<0.05	0.49	1.51	0.111	0.155
2002	9	3	9:20 AM			26	7.64	5.83	72.6		875	9	1,367	<0.05	0.33		<0.05	0.33	0.685	0.093	0.137
2002	9	3	9:00 AM																		
2002	7	8	9:57 AM			27	7.27	2.84	36.9		706	20	1,104	<0.05	0.51		0.06	0.89	1.425	0.127	0.176
2002	7	8	9:45 AM																		
2002	6	3	8:10 AM			20.52	7.54	6.99	82		1,259	15	1,967								
2002	5	8	7:50 AM																		
2002	5	6	9:03 AM			22.31	8.11	8.02	97.2		1,358	3	2,122	<0.05	0.05		<0.05	0.67	0.745	0.005	0.036
2002	4	8	8:41 AM			11	7.88	8.09	73.4		1,045	735	1,623	0.11	0.05		0.26	1.22	1.38	0.185	0.261
2002	3	11	10:00 AM			7.18		10.28	89.6		1,674	9	2,616	<0.05	0.35		<0.05	0.78	1.155	0.022	0.077
2002	2	5	9:00 AM			12.33	7.31	7.93	77.8		781.8	11	1,299	<0.05	0.99		0.06	0.8	1.815	0.07	0.122
2001	10	1	1:36 PM			24	7.82	6.96	82.2		908	10	1,418	<0.05	0.41		0.07	0.26	0.695	0.061	0.103
2001	9	10	1:26 PM			26	8.15	8.54	104		1,040	4	1,626	0.05	0.14			0.48	0.67	0.069	0.105
2001	8	6	12:55 PM			33	8.23	8.68	121		975	4	1,524	<0.05	<0.05			0.51	0.56	0.071	0.121

2001	7	9	1:20 PM			29.33	7.88	6.41	82.9		1,016	9	1,588	0.05	0.44			0.61	1.1	0.09	0.158
2001	6	4	2:56 PM			23	7.55	5.83	69.5		923	56	1,442	0.09	0.63		0.08			0.106	0.15
2001	5	7	12:32 PM			21	7.52	7.85	87.9		1,276	15	1,994	0.13	0.67		0.06	0.46	1.26	0.071	0.114
2001	4	2	1:44 PM			10.25	7.84	9.96	89.1		1,670	30	2,576	0.05	1.03		0.16	0.8	1.88	0.095	0.159
2001	3	12	6:20 PM											0.1	1.26		0.09	0.59	1.95	0.11	0.16
2001	2	5	1:32 PM			5	7.8	13.9	108.4		1,271	8	1,993	<0.05	0.65		0.05	0.73	1.405	0.019	0.114
2000	11	15	11:49 AM			11	7.7	9.82	90.9	20	1,575	28	2,464	<0.05	0.7		0.07	0.56	1.285	0.108	0.14
2000	10	17	9:15 AM			16.51	7.98	80.5	85	<1	866.3	8	1,354	<0.05	0.13		0.05	0.41	0.565	0.034	0.093
2000	9	20	11:56 AM			23	8	7.91	92.9		884	8	1,381	<0.05	0.07		0.08	0.39	0.485	0.024	0.122
2000	8	23	11:27 AM			28				18	1,002	7	1,566							0.078	0.164
2000	8	23	11:27 AM								709										
2000	7	26	12:28 PM							110	784			<0.05	0.14		0.09	0.44	0.605	0.093	0.168
2000	5	16	11:41 AM		5.51	21	7.9	6.29	71.4	22	920	21	1,420	<0.05	0.24		0.09	0.44	0.705	0.086	0.14
2000	5	16	11:41 AM								777										
2000	3	22	11:32 AM			9.9	7.57	9.42	86.1		685	115	1,072	0.1	0.77						0.134
2000	2	23	11:20 AM							15	1,530			0.05	0.66		0.11	0.56	1.27	0.054	0.242
2000	1	24	12:50 PM			6.52	7.81	6.77	53	36	1,057	16	1,672	<0.05	0.78		0.11	0.42	1.225	0.107	0.135
2000	1	24	12:50 PM								897										

Year	Month	Date	Time	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Chlor a mg/m ³	Pheophytin a mg/m ³	Pheriphytin a mg/m ³	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml
2012	9	24	3:48 PM	400	90.2	235	156	8.01	<0.1		61-80			
2012	9	24	3:47 PM											
2012	7	23	7:00 PM	314	85.2	260	139	7.96	4.7					
2012	7	23	7:00 PM											
2012	5	30	4:39 PM	428	86.5	195	126	7.64	1.77		61-80			
2012	5	30	4:38 PM											

2012	3	19	4:29 PM	291	74	178	94	8.75	19.9		0			
2012	3	19	4:28 PM											
2012	2	21	4:57 PM	530	111	228	120	3.08	0.89		21-40			
2012	2	21	4:56 PM											
2011	11	9	10:01 AM	238	73.7	207	105	7.87	3.66		61-80			
2011	11	9	10:00 AM											
2011	9	6	3:34 PM	526	118	255	144	10.5	1.61		41-60			
2011	9	6	3:34 PM											
2011	8	1	3:25 PM	527	114	246	175	17.8	1.25		41-60			
2011	8	1	3:25 PM											
2011	5	9	3:24 PM	483	121	300	168				21-40			
2011	5	9	3:24 PM											
2011	3	14	10:00 AM	474	149	318	168				21-40			
2011	3	14	10:00 AM											
2011	1	19	12:30 PM	799	159	374	162	7.2	2.04		41-60			
2011	1	19	11:39 AM											
2010	10	19	4:30 PM	272	91.6	214	141	6.01	1.84		41-60			
2010	10	19	4:30 PM											
2010	9	20	4:00 PM	257	80.8	202	142	4.3	0.57		41-60			
2010	9	20	4:00 PM											
2010	5	24	7:34 PM			212	159				0			
2010	5	4	5:12 PM	417	130	279	182	3.29	1.64		0			
2010	5	4	5:12 AM											
2010	3	8	3:00 PM	366	155	284	175	14.1	2.32		21-40			
2010	3	8	3:00 PM											
2010	1	20	1:15 PM	557	177	332	220	3.26	0.6		21-40			
2010	1	20	1:15 PM											
2009	10	27	2:54 PM	199	29.2	169	108				0			
2009	10	27	2:54 PM											
2009	8	18	12:40 PM	208	75.3	198	142				21-40			

2009	8	18	10:01 AM										
2009	6	22	2:34 PM	242	94.7	198	140	3.16	2.58		0		
2009	6	22	2:34 PM										
2009	5	12	8:10 AM	194	82.9	175	127	0.69	0.49		0		
2009	5	12	8:10 AM										
2009	3	31	11:52 AM	390	128	307	161	18.7	2.76		0		
2009	3	31	11:52 AM										
2009	3	3	3:58 PM	514	144	360	207	6.52	3.17		0		
2009	3	3	3:58 PM										
2009	1	6	8:55 AM	391	111	316	196	5.57	0.86		21-40		
2009	1	6	8:55 AM										
2008	10	28	8:40 AM	307	93.1	220	123	3.15	2.59		0		
2008	10	28	8:35 AM										
2008	9	9	11:53 AM	163	65	202	158				0		
2008	9	9	11:53 AM										
2008	7	7	5:54 PM	91.3	44.8	252	103				0		
2008	7	7	5:54 PM										
2008	5	27	1:20 PM	178	83.4	170	139	2.53	3.6		0		
2008	5	27	1:10 PM										
2008	4	28	2:11 PM	110	64.5	135	116				0		
2008	4	28	2:11 PM										
2008	3	16	12:13 PM	392	134	265	160	6.49	2.91		21-40		
2008	3	16	12:13 PM										
2008	2	19	1:05 PM	386	142	276	189	8.32	4.1		21-40		
2008	2	19	1:05 PM										
2007	12	18	10:34 AM	398	122	283	149	2.85	1.28		0		
2007	12	18	10:34 AM										
2007	11	5	12:21 PM	202	93.7	196	118	2.11	1.6		0		
2007	11	5	12:21 PM										
2007	10	1	3:50 PM					3.08	0.7				

2007	10	1	1:46 PM	284	127	236	135				0			
2007	8	13	3:39 PM	193	97.3	199	145	6.06	3.93		21-40			
2007	8	13	3:39 PM											
2007	7	16	2:13 PM	147	93.4	184	116	2.15	1.41		0			
2007	7	16	2:13 PM											
2007	6	19	11:29 AM	168	62.4	126	101	2.14	1.2		21-40			
2007	5	8	10:08 AM	220	74.3	176	104	1.91	1.3		0			
2007	4	9	5:13 PM	250	91.3	163	117				0			
2007	4	9	8:08 AM					4.28	2.15					
2007	3	12	12:53 PM	680	124	260	125	5.14	1.6		21-40			
2007	1	30	9:50 AM	400	102	292	122				21-40			
2006	12	6	10:28 AM	522	43.4	334	153				0			
2006	11	8	10:00 AM	330	99.9	320	159				21-40			
2006	10	2	12:30 PM	326	99.2	212	126				0	41	10	10
2006	9	5	8:40 AM									119	74	240
2006	8	22	11:45 AM	372	92.9	180	125				21-40	20	108	380
2006	8	21	10:57 AM									52	109	230
2006	8	7	10:08 AM									20	10	40
2006	7	24	12:45 PM									31	63	10
2006	7	17	9:04 AM	470	114	168	127				0			
2006	6	26	10:42 AM									10	31	10
2006	6	12	9:54 AM	313	94.5	202	130				0	20	10	30
2006	5	23	8:45 AM	497	122	239	127				0	41	10	30
2006	4	3	2:56 PM	840	172	355	164				0			
2006	2	27	1:21 PM	1,100	195	320	151				0			
2006	1	23	8:52 AM	955	161	384	151				0			
2005	12	6	12:45 PM	555	122	251	112				0			
2005	10	24	12:29 PM	266	81	180	109				0			
2005	8	22	4:00 PM	265	82.9	225	130				0			
2005	7	27	12:50 PM	227	85.1	197	110				0			

2005	6	20	3:30 PM	251	84	187	97										
2005	5	9	5:13 PM	530	148	324	148				41-60						
2005	2	8	12:45 PM	463	147	273	126				21-40						
2004	12	19	3:08 PM	552	131	324	156				0						
2004	11	8	12:30 PM	374	87.2	209	131				0						
2004	10	4	2:59 PM	265	72.2	215	152				21-40						
2004	8	31	10:00 AM	209	65.7	165	120				0						
2004	7	27	10:15 AM	212	72.7	162	134				0						
2004	6	15	12:20 PM	276	92.8	210	132				0						
2004	5	18	10:39 AM	239	97.9	219	143				0						
2004	4	5	5:56 PM	397	119	283	122				0						
2004	1	27	8:38 AM	367	101	241	144				0						
2003	12	2	4:00 PM	233	81.4	184	100				0						
2003	11	3	5:26 PM	195	68	288	121				0						
2003	10	1	12:56 PM	206	67.6	160	100				0	10	10	10			
2003	9	15	8:24 AM									20	20	300			
2003	8	11	8:21 AM									31	20	40			
2003	7	7	8:21 AM									10	100	40			
2003	7	29	11:00 AM	293	83.8							108	400	400			
2003	6	2	12:21 PM									31	60	100			
2003	6	18	7:47 AM	384	121	197	112				41-60	<10	<10	<10			
2003	5	14	9:00 AM	394	113	223	99				0						
2003	4	8	11:41 AM	422	137	280	133				0						
2003	3	4	9:00 AM	827	195	412	160				41-60						
2003	1	28	10:37 AM	858	200	305	126				41-60						
2002	12	9	9:49 AM	824	205	324	118				41-60						
2002	11	6	11:30 AM	472	111	330	121				0						
2002	9	30	10:40 AM	222	77.9	153	92				0	<10	10	<10			
2002	9	3	9:20 AM	279	62.8	178	108				41-60						
2002	9	3	9:00 AM									10	40	60			

2002	7	8	9:57 AM	232	81.1	162	102				41-60			
2002	7	8	9:45 AM									10	10	10
2002	6	3	8:10 AM			236	130				0	52	400	70
2002	5	8	7:50 AM									10	50	10
2002	5	6	9:03 AM	485	123	272	134				21-40			
2002	4	8	8:41 AM	219	104	156	76				41-60			
2002	3	11	10:00 AM	555	176	191	137				0			
2002	2	5	9:00 AM			134	89							
2001	10	1	1:36 PM	269	110	208	90							
2001	9	10	1:26 PM	306	125	251	112					<10	<10	<10
2001	8	6	12:55 PM	272	114	220	140					<10	<10	<10
2001	7	9	1:20 PM	302	153	59	120					<10	<10	<10
2001	6	4	2:56 PM	261	132	229	116					<10	100	<10
2001	5	7	12:32 PM	419	185	316	138							
2001	4	2	1:44 PM	527	228	350	156							
2001	3	12	6:20 PM	214	93.3									
2001	2	5	1:32 PM	425	162	262	150							
2000	11	15	11:49 AM	493	146	270	118							
2000	10	17	9:15 AM	288	112	256	150							
2000	9	20	11:56 AM	239	120	224								
2000	8	23	11:27 AM		126		119							
2000	8	23	11:27 AM											
2000	7	26	12:28 PM	243	127	260								
2000	5	16	11:41 AM	237	128	306	129							
2000	5	16	11:41 AM											
2000	3	22	11:32 AM	178	123		122							
2000	2	23	11:20 AM		195	374								
2000	1	24	12:50 PM	274	164	286	135							
2000	1	24	12:50 PM											

Year	Month	Date	Time	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
									Severity	Size	
2012	9	24	3:48 PM		None	None	None	None	None		Pre
2012	9	24	3:47 PM								Pre
2012	7	23	7:00 PM								Pre
2012	7	23	7:00 PM								Pre
2012	5	30	4:39 PM		None	None	None	None	None		Pre
2012	5	30	4:38 PM								Pre
2012	3	19	4:29 PM		None	None	None	None	Mod.	Medium	Pre
2012	3	19	4:28 PM								Pre
2012	2	21	4:57 PM		None	None	None	None	Mild		Pre
2012	2	21	4:56 PM								Pre
2011	11	9	10:01 AM		None	None	None	Mild	None		Pre
2011	11	9	10:00 AM								Pre
2011	9	6	3:34 PM		None	None	None	None	None		Pre
2011	9	6	3:34 PM								Pre
2011	8	1	3:25 PM		None	Mild	None	None	None		Pre
2011	8	1	3:25 PM								Pre
2011	5	9	3:24 PM		None	None	None	None	None		Pre
2011	5	9	3:24 PM								Pre
2011	3	14	10:00 AM		None	None	None	None	None		Pre
2011	3	14	10:00 AM								Pre
2011	1	19	12:30 PM		None	None	None	Mild	None		Pre
2011	1	19	11:39 AM								Pre
2010	10	19	4:30 PM		None	None	None	None	None	Small	Pre
2010	10	19	4:30 PM								Pre
2010	9	20	4:00 PM		None	None	None	None	None		Pre

2010	9	20	4:00 PM								Pre
2010	5	24	7:34 PM		None	None	None	None	None	Small	Pre
2010	5	4	5:12 PM		None	None	None	None	None	Small	Pre
2010	5	4	5:12 AM								Pre
2010	3	8	3:00 PM		None	None	None	None	None		Pre
2010	3	8	3:00 PM								Pre
2010	1	20	1:15 PM		None	None	None	Mild	None	Small	Pre
2010	1	20	1:15 PM								Pre
2009	10	27	2:54 PM		None	None	None	Mild	None	Small	Pre
2009	10	27	2:54 PM								Pre
2009	8	18	12:40 PM		None	None	None	Mild	None		Pre
2009	8	18	10:01 AM								Pre
2009	6	22	2:34 PM		None	None	Mild	Mild	None		Pre
2009	6	22	2:34 PM								Pre
2009	5	12	8:10 AM		None	None	None	None	None	Small	Pre
2009	5	12	8:10 AM								Pre
2009	3	31	11:52 AM		None	None	None	Mod.	None		Pre
2009	3	31	11:52 AM								Pre
2009	3	3	3:58 PM		None	None	None	Mild	Mild	Large	Pre
2009	3	3	3:58 PM								Pre
2009	1	6	8:55 AM		None	Mild	None	None	None	Small	Pre
2009	1	6	8:55 AM								Pre
2008	10	28	8:40 AM		None	None	None	None	None	Small	Pre
2008	10	28	8:35 AM								Pre
2008	9	9	11:53 AM		None	None	Mild	Mod.	None	Small	Pre
2008	9	9	11:53 AM								Pre
2008	7	7	5:54 PM		None	None	None	None	None	Small	Pre
2008	7	7	5:54 PM								Pre
2008	5	27	1:20 PM		None	None	None	None	None	Small	Pre
2008	5	27	1:10 PM								Pre

2008	4	28	2:11 PM		None	None	None	None	None	Small	Pre
2008	4	28	2:11 PM								Pre
2008	3	16	12:13 PM		None	None	None	None	Mild	4	Pre
2008	3	16	12:13 PM								Pre
2008	2	19	1:05 PM		None	None	None	None	None	Small	Pre
2008	2	19	1:05 PM								Pre
2007	12	18	10:34 AM		None	None	None	None	None	Small	Pre
2007	12	18	10:34 AM								Pre
2007	11	5	12:21 PM		None	None	None	Mild	None	Medium	Pre
2007	11	5	12:21 PM								Pre
2007	10	1	3:50 PM								Pre
2007	10	1	1:46 PM		None	None	None	None	None	Small	Pre
2007	8	13	3:39 PM		None	None	None	None	None	Small	Pre
2007	8	13	3:39 PM								Pre
2007	7	16	2:13 PM		None	None	None	Mild	None	4	Pre
2007	7	16	2:13 PM								Pre
2007	6	19	11:29 AM		None	None	None	None	Mod.	4	Pre
2007	5	8	10:08 AM		None	Mild	None	None	Mod.	4	Pre
2007	4	9	5:13 PM		None	None	None	Mod.	Mild	Medium	Pre
2007	4	9	8:08 AM								Pre
2007	3	12	12:53 PM		None	None	None	None	None	Small	Pre
2007	1	30	9:50 AM		None	None	None	None	None	Small	Pre
2006	12	6	10:28 AM		None	None	None	None	None	Small	Pre
2006	11	8	10:00 AM	503	None	None	Mild	None	None	Small	Pre
2006	10	2	12:30 PM	451	Mild	Mod.	Mod.	Mod.	Mild	Small	Pre
2006	9	5	8:40 AM								Pre
2006	8	22	11:45 AM	456	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2006	8	21	10:57 AM								Pre
2006	8	7	10:08 AM								Pre
2006	7	24	12:45 PM								Pre

2006	7	17	9:04 AM	441	None	None	None	None	None		Pre
2006	6	26	10:42 AM								Pre
2006	6	12	9:54 AM	478	None	None	None	None	None		Pre
2006	5	23	8:45 AM	253	Mild	Mild	Mod.	Mod.	None	Small	Pre
2006	4	3	2:56 PM	396	None	None	None	None	None		Pre
2006	2	27	1:21 PM	449	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2006	1	23	8:52 AM	406	None	None	None	None	None		Pre
2005	12	6	12:45 PM	422	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2005	10	24	12:29 PM	484	None	None	None	Mod.	Mild	Small	Pre
2005	8	22	4:00 PM	422	Mild	Mild	Mod.	Mod.	Mild	Small	Pre
2005	7	27	12:50 PM	307	None	None	None	Mild	None		Pre
2005	6	20	3:30 PM	344	None	None	None	Mild	Mild	Medium	Pre
2005	5	9	5:13 PM	441	Mild	None	Mild	Mod.	None	Small	Pre
2005	2	8	12:45 PM	547	None	None	None	Mild	None	Small	Pre
2004	12	19	3:08 PM	323	None	None	None	None	None	Small	Pre
2004	11	8	12:30 PM	342	None	None	None	None	None		Pre
2004	10	4	2:59 PM	401		Mod.	None	Mild			Pre
2004	8	31	10:00 AM	373	None	None	None	None	None	Small	Pre
2004	7	27	10:15 AM	401	None	None	None	None	None		Pre
2004	6	15	12:20 PM	418	Mild	Mild	Mod.	Mod.	None	Small	Pre
2004	5	18	10:39 AM	335	None	None	None	Mild	Mild	Small	Pre
2004	4	5	5:56 PM	364	Mod.	Mild	Mild	Mild	Mild	Small	Pre
2004	1	27	8:38 AM	53	None	None	None	None			Pre
2003	12	2	4:00 PM	504	None	None	None	Mild	None	Small	Pre
2003	11	3	5:26 PM	335	None	None	None	None	None		Pre
2003	10	1	12:56 PM	348	None	None	None	None	None		Pre
2003	9	15	8:24 AM								Pre
2003	8	11	8:21 AM								Pre
2003	7	7	8:21 AM								Pre
2003	7	29	11:00 AM								Pre

2003	6	2	12:21 PM								Pre
2003	6	18	7:47 AM	472	Mod.	Mod.	Mod.	Mod.	Mod.	Small	Pre
2003	5	14	9:00 AM	477	None	None	None	Mild	Mild	Small	Pre
2003	4	8	11:41 AM	354	None	None	None	Mod.	Mild	Small	Pre
2003	3	4	9:00 AM	486	Mod.	Mod.	Mod.	Mod.	Mild	Small	Pre
2003	1	28	10:37 AM	502	None	Mild	Mild	Mild	Mild	Small	Pre
2002	12	9	9:49 AM	523	Serious	Mod.	Serious	Serious	Serious	Small	Pre
2002	11	6	11:30 AM	518	None	None	None	None	Mild	Small	Pre
2002	9	30	10:40 AM	353	None	None	None	Mild		Small	Pre
2002	9	3	9:20 AM	463	Serious	Mod.	Serious	Serious	Serious	Small	Pre
2002	9	3	9:00 AM								Pre
2002	7	8	9:57 AM	455	Serious	Serious	Serious	Serious	Mod.	Small	Pre
2002	7	8	9:45 AM								Pre
2002	6	3	8:10 AM	389	None	None	None	None	None	Small	Pre
2002	5	8	7:50 AM								Pre
2002	5	6	9:03 AM	282	Mild	Mod.	None	None	None	Small	Pre
2002	4	8	8:41 AM	407	Serious	Serious	Extreme	Serious	Serious	Medium	Pre
2002	3	11	10:00 AM	350	Mild	Mild	Mod.	Serious	None	Small	Pre
2002	2	5	9:00 AM	384	None	None	Mild	None	None	Small	Pre
2001	10	1	1:36 PM	344							Pre
2001	9	10	1:26 PM	370							Pre
2001	8	6	12:55 PM	338							Pre
2001	7	9	1:20 PM	406							Pre
2001	6	4	2:56 PM	377							Pre
2001	5	7	12:32 PM	416							Pre
2001	4	2	1:44 PM	410							Pre
2001	3	12	6:20 PM								Pre
2001	2	5	1:32 PM	430							Pre
2000	11	15	11:49 AM	458							Pre
2000	10	17	9:15 AM	281							Pre

2000	9	20	11:56 AM	441													Pre
2000	8	23	11:27 AM														Pre
2000	8	23	11:27 AM														Pre
2000	7	26	12:28 PM														Pre
2000	5	16	11:41 AM	255													Pre
2000	5	16	11:41 AM														Pre
2000	3	22	11:32 AM	395													Pre
2000	2	23	11:20 AM														Pre
2000	1	24	12:50 PM	450													Pre
2000	1	24	12:50 PM														Pre

IR WBID OK120420010130_00				OWRB WBID120420010130_001AT								Arkansas River				
Sampling Agency: Oklahoma Water Resources Board										County: Tulsa						
Sampling Location: Latitude 36.12393866 Longitude -96.11578343 (ARK-11)																
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Hg µg/l	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2012	9	24	3:47 PM				<0.18							<1		Pre
2012	3	19	4:28 PM				<0.18							<1		Pre
2012	2	21	4:56 PM				<0.18							<1		Pre
2011	11	9	10:00 AM				<0.18							<1		Pre
2011	9	6	3:34 PM				<0.18							<1		Pre
2011	3	14	10:00 AM				<0.18							<1		Pre
2011	1	19	11:39 AM				<0.18							<1		Pre
2010	9	20	4:00 PM				<1							<1		Pre
2010	5	4	5:12 PM				<1							<1		Pre
2010	5	4	5:12 AM				<1									Pre
2010	3	8	3:00 PM				<1							<1		Pre

2010	3	8	3:00 PM				<1									Pre
2010	1	20	1:15 PM											<1		Pre
2007	4	9	5:13 PM	<2	<10	132	<1	<5	8.3	<0.05	<5	<5	<5	<10	19.5	Pre
2007	3	12	12:53 PM	<2	<10	128	<1	<5	<5	<0.05	<5	<5	<5	<10	14.4	Pre
2004	10	4	2:59 PM	<2	<10		<1	<5	<5	<0.05	<5	<5	<5	8	<5	Pre
2003	4	8	11:41 AM	<2	<10		<1	<5	<5	<0.1	<5	<5	<5	5	<5	Pre
2003	1	28	10:37 AM	<2	<10		<1	<5	<5	<0.1	<5	<5	<5	8	<5	Pre
2002	4	8	8:41 AM	<2	<10		<1	12	8	<0.5	14	8	<5	<5	40	Pre
2001	4	2	1:44 PM	<5	<10		<5	<5	<5	<0.5	<10	<10	<10	<10	30	Pre
2000	11	15	11:49 AM	<5	<10		<5	<5	<5	<0.5	<10	<10	<10	<10	9	Pre
2000	7	26	12:28 PM	<10	<10		<5	<10	<10	<0.5	<25	<3	<5	<6	11	Pre
2000	5	16	11:41 AM	<10	<10		<5	<10	<10	<0.5	<25	<3	<5	<3	<7	Pre
2000	1	24	12:50 PM	<10	<10		<5	<10	<10	<0.5	<25	<3	<5	<3	<5	Pre

IR WBID OK120420010130_00				OWRB WBID 120420010130-001AT										Arkansas River							
Sampling Agency: Oklahoma Water Resources Board										County: Tulsa											
Sampling Location: Latitude 36.12393866 Longitude -96.11578343 (ARK-11) (SH 97, Sand Springs)																					
Year	Month	Date	Time	Methyl tert-butyl ether µg/l	Methyl isobutyl ketone µg/l	Methyl ethyl ketone µg/l	Methylene chloride µg/l	Methylcyclohexane µg/l	Methyl acetate µg/l	Methyl parathion µg/l	Malathion µg/l	Methoxychlor µg/l	Lindane µg/l	Cumene µg/l	Isophorone µg/l	Indeno[1,2,3-cd]pyrene µg/l	Hexachloroethane µg/l	Hexachlorocyclopentadiene µg/l	Hexachlorobutadiene µg/l	Hexachlorobenzene µg/l	
2003	5	14	9:00 AM	<10	<10	<10	<10	<10	<10	<0.048	<0.048	<0.006	<0.002	<10	<10	<10	<10	<10	<10	<10	<0.002
2003	4	8	11:41 AM	<10	<10	<10	<10	<10	<10	<0.048	<0.048	<0.006	<0.002	<10	<10	<10	<10	<10	<10	<10	<0.002

2002	11	6	11:30 AM		<10	<10	<5			<0.048	<0.305	<0.006	<0.002		<10	<10	<10	<10	<10	<0.002
2002	5	6	9:03 AM		<10	<10	<5			<0.048	<0.048	<0.006	<0.002		<10	<10	<10	<10	<10	<0.002
2002	3	11	10:00 AM		<10	<10	<5			<0.048	<0.048	<0.006	<0.002		<10	<10	<10	<10	<10	<0.002

Year	Month	Date	Time	Heptachlor µg/l	Azinphos-methyl µg/l	Fluorene µg/l	Fluoranthene µg/l	Ethylbenzene µg/l	Parathion µg/l	Endosulfan µg/l	Endrin µg/l	Dimethyl phthalate µg/l	Dilution Factor, Purgeables µg/l	Dilution Factor, Extractables µg/l	Diethyl phthalate µg/l	HCFC-21 µg/l	Chlorodibromomethane µg/l	Dibenzofuran µg/l	Dibenz[a,h]anthracene µg/l	Di-n-octyl phthalate µg/l
2003	5	14	9:00 AM	<0.002	<0.048	<10	<10	<10	<0.048	<0.01	<0.002	<10	1	1	<10	<10	<10	<10	<10	<10
2003	4	8	11:41 AM	<0.002	<0.048	<10	<10	<10	<0.048	<0.01	<0.002	<10	1	1	<10	<10	<10	<10	<10	<10
2002	11	6	11:30 AM	<0.003	<0.048	<10	<10	<5	<0.048	<0.01	<0.002	<10	1	1	<10		<5	<10	<10	<10
2002	5	6	9:03 AM	<0.002	<0.048	<10	<10	<5	<0.048	<0.01	<0.002	<10	1	1	<10		<5	<10	<10	<10
2002	3	11	10:00 AM	<0.002	<0.048	<10	<10	<5	<0.048	<0.01	<0.002	<10	1	1	<10		<5	<10	<10	<10

Year	Month	Date	Time	Dibutyl phthalate µg/l	Demeton µg/l	Chlorpyrifos µg/l	Cyclohexane µg/l	Chrysene µg/l	Chloromethane µg/l	Chloroform µg/l	Chloroethane µg/l	Chlorobenzene µg/l	Carbon tetrachloride µg/l	Carbon disulfide µg/l	Chlordane µg/l	Butyl benzyl phthalate µg/l	Methyl bromide µg/l	Tribromomethane µg/l	Dichlorobromomethane µg/l	Di(2-ethylhexyl) phthalate µg/l
2003	5	14	9:00 AM	<10	<0.048	<0.01	<10	<10	<10	<10	<10	<10	<10	<10	<0.032	<10	<10	<10	<10	<10
2003	4	8	11:41 AM	<10	<0.048	<0.01	<10	<10	<10	<10	<10	<10	<10	<10	<0.032	<10	<10	<10	<10	<10
2002	11	6	11:30 AM	<10	<0.048	<0.01		<10	<10	<5	<10	<5	<5	<5	<0.032	<10	<10	<5	<5	<10
2002	5	6	9:03 AM	<10	<0.048	<0.01		<10	<10	<5	<10	<5	<5	<5	<0.032	<10	<10	<5	<5	<10
2002	3	11	10:00 AM	<10	<0.048	<0.01		<10	<10	<5	<10	<5	<5	<5	<0.032	<10	<10	<5	<5	<10

Year	Month	Date	Time	Bis(2-chloroisopropyl) ether µg/l	Bis(2-chloroethyl) ether µg/l	N-Nitrosodi-n-propylamine µg/l	N-Nitrosodiphenylamine µg/l	Nitrobenzene µg/l	Naphthalene µg/l	Mirex µg/l	Bis(2-chloroethoxy)methane µg/l	Benzyl alcohol µg/l	Benzoic acid µg/l	Benzo[k]fluoranthene µg/l	Benzo[ghi]perylene µg/l	Benzo(b)fluoranthene µg/l	Benzo[a]pyrene µg/l	Benzo[a]anthracene µg/l	Benzene µg/l	Anthracene µg/l
2003	5	14	9:00 AM	<10	<10	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<10	<10
2003	4	8	11:41 AM	<10	<10	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<10	<10

2002	11	6	11:30 AM	<10	<10	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<5	<10
2002	5	6	9:03 AM	<10	<10	<10	<10	<10	<10	<0.048	<10			<10	<10	<10	<10	<10	<5	<10
2002	3	11	10:00 AM	<10	<10	<10	<10	<10	<10	<0.048	<10	<10	<50	<10	<10	<10	<10	<10	<5	<10

Year	Month	Date	Time	Acetone µg/l	Acenaphthylene µg/l	Acenaphthene µg/l	Aldrin µg/l	p-Nitrophenol µg/l	p-Nitroaniline µg/l	p-Cresol µg/l	p-Chlorophenyl phenyl ether µg/l	p-Chloroaniline µg/l	BDE-003 µg/l	4,6-Dinitro-o-cresol µg/l	m-Nitroaniline µg/l	3,3'-Dichlorobenzidine µg/l	o-Nitrophenol µg/l	o-Nitroaniline µg/l	o-Cresol µg/l	2-Methylnaphthalene µg/l
2003	5	14	9:00 AM	<10	<10	<10	<0.006	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10
2003	4	8	11:41 AM	<10	<10	<10	<0.006	<50	<50	<10	<10	<10	<10	<50	<50	<20	,10	<50	<10	<10
2002	11	6	11:30 AM	<10	<10	<10	<0.006	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10
2002	5	6	9:03 AM	<10	<10	<10	<0.006	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10
2002	3	11	10:00 AM	4	<10	<10	<0.006	<50	<50	<10	<10	<10	<10	<50	<50	<20	<10	<50	<10	<10

Year	Month	Date	Time	2-Hexanone µg/l	o-Chlorophenol µg/l	2-Chloronaphthalene µg/l	2-Chloroethyl vinyl ether µg/l	2,6-Dinitrotoluene µg/l	2,4-Dinitrotoluene µg/l	2,4-Dinitrophenol µg/l	2,4-Dimethylphenol µg/l	2,4-Dichlorophenol µg/l	2,4-D µg/l	2,4,6-Trichlorophenol µg/l	2,4,5-Trichlorophenol µg/l	p-Dichlorobenzene µg/l	m-Dichlorobenzene µg/l	o-Dichlorobenzene µg/l	Ethylene dibromide µg/l	1,2-Dibromo-3-chloropropane µg/l
2003	5	14	9:00 AM	<10	<10	<10		<10	<10	<50	<10	<10	<0.086	<10	<10	<10	<10	<10	<10	<10
2003	4	8	11:41 AM	<10	<10	<10		<10	<10	<50	<10	<10	<0.086	<10	<10	<10	<10	<10	<10	<10
2002	11	6	11:30 AM	<10	<10	<10	<10	<10	<10	<50	<10	<10	<0.086	<10	<10	<10	<10	<10		
2002	5	6	9:03 AM	<10	<10	<10	<10	<10	<10	<50	<10	<10	<0.086	<10	<10	<10	<10	<10		
2002	3	11	10:00 AM	<10	<10	<10	<10	<10	<10	<50	<10	<10	<0.086	<10	<10	<10	<10	<10		

Year	Month	Date	Time	1,2-Dichloropropane µg/l	1,2-Dichloroethane µg/l	1,2,4-Trichlorobenzene µg/l	1,1-Dichloroethylene µg/l	1,1-Dichloroethane µg/l	CFC-113 µg/l	1,1,2-Trichloroethane µg/l	1,1,2,2-Tetrachloroethane µg/l	1,1,1-Trichloroethane µg/l	1,3-Dichloropropene µg/l	trans-1,2-Dichloroethylene µg/l	p-Chloro-m-cresol µg/l	cis-1,3-Dichloropropene µg/l	cis 1,2-dichloroethane µg/l	Vinyl acetate µg/l	Vinyl chloride µg/l	CFC-11 µg/l
2003	5	14	9:00 AM	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10
2003	4	8	11:41 AM	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10
2002	11	6	11:30 AM	<5	<5	<10	<5	<5		<5	<5	<5	<5	<5	<10	<5		<10	<10	
2002	5	6	9:03 AM	<5	<5	<10	<5	<5		<5	<5	<5	<5	<5	<10	<5		<10	<10	

2002	3	11	10:00 AM	<5	<5	<10	<5	<5		<5	<5	<5	<5	<5	<10	<5		<10	<10	
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Year	Month	Date	Time	Trichloroethylene µg/l	Xylenes, m- & p- Mix µg/l	Toluene µg/l	Tetrachloroethylene µg/l	Toxaphene µg/l	Total PCBs µg/l	Styrene µg/l	Silvex µg/l	Pyrene µg/l	Phenol µg/l	Phenanthrene µg/l	Pentachlorophenol µg/l	p,p'-DDT µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2003	5	14	9:00 AM	<10	<10	<10	<10	<0.029	<0.19	<10	<0.012	<10	<10	<10	<0.12	<0.003	Pre
2003	4	8	11:41 AM	<10	<10	<10	<10	<0.029	<0.19	<10	<0.012	<10	<10	<10	<0.12	<0.003	Pre
2002	11	6	11:30 AM	<5	<5	<5	<5	<0.029	<0.19	<5	<0.012	<10	<10	<10	<0.12	<0.003	Pre
2002	5	6	9:03 AM	<5	<5	<5	<5	<0.029	<0.19	<5	<0.012	<10	<10	<10	<0.12	<0.003	Pre
2002	3	11	10:00 AM	<5	<5	<5	<5	<0.029	<0.19	<5	<0.012	<10	<10	<10	<0.12	<0.003	Pre

IR WBID OK120420010130_00	INCOG WBID RMAR-1	Arkansas River
Sampling Agency: INCOG		County: Tulsa
Sampling Location: Latitude 36.124950 Longitude -96.116417 (ARK-11) (Hwy 97 Bridge, Sand Springs)		

Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	TDS (mg/L)	Cd, Total (mg/L)	Pb, Total (mg/L)	Fecal Coliform (cfu/100 ml)	Comments
2013	9	17	9:55 AM	15.9	15	None	7.70	25.66	69.1	5.62	146	1,161	660	0.0014	<0.002	<4.0	
2013	8	12	9:25 AM	45.0	45	None	7.63	27.71	72.7	5.71	147	866	450	0.002	<0.002	13	

2013	7	16	10:10 AM	15.5	17	None	7.64	25.21	67.1	5.50	179	1,283	700	<0.001	<0.002	170	
2013	6	17	1005	32.5	31	None	7.66	23.18	76.4	6.50	169	1,498	870	<0.001	<0.002	181	*Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early (before sampling) on 6/17/13. Tulsa International Airport - 0.70" early (before sampling) on 6/17/13.
2012	11	13	10:20 AM	5.7	5	None	7.97	10.56	111	12.29	219	1,870	960	<0.001	<0.007	84	
2012	10	22	10:15 AM	11.3	5	None	7.93	20.40	94.4	8.49	224	1,826	959	0.001	<0.007	580	

IR WBID OK120420010130_00				INCOG WBID Site 1				Arkansas River			
Sampling Agency: INCOG							County: Tulsa				
Sampling Location: Latitude 36.123924 Longitude -96.116130 (ARK-11) (Hwy 97, Sand Springs)											
Year	Month	Date	Time	pH	Temp. (°C)	DO (mg/L)	DO (% Sat.)	Conductivity (mmhos/cm)	TDS (mg/L)	Comments	
2011	9	7	8:35 AM	8.50	20.28	9.22	102.7	2,103	1130		
2011	8	16	8:44 PM	8.79	29.65	7.20	95.4	2,038			
2011	8	16	3:20 PM	8.90	32.54	8.87	123.5	2,033			
2011	8	16	7:34 AM	8.61	26.51	6.11	76.4	1,983			
2011	8	1	9:10 AM	8.09	28.63	6.04	78.6	2,188	1150		
2011	6	9	8:35 AM	7.94	22.90	7.02	82.3	2,409	1300		
2011	5	9	9:30 AM	8.34	22.79	7.71	89.5	2,624	1450		
2011	3	10	9:55 AM	7.71	7.52	13.74	115.2	2,089	1170		
2011	1	25	9:30 AM	8.14	2.77	16.36	122.2	2,495	1360		
2010	12	15	9:30 AM	8.11	6.50			2,184	1070		
2010	11	15	9:30 AM	7.94	12.09	9.94	92.3	1,594	856		
2010	10	7	8:40 AM	7.99	19.75	7.50	81.8	1,409	656		
2010	9	22	8:30 AM	7.82	24.44	6.77	81.3	1,494	650		

2010	8	5	8:23 AM	7.89	29.07	4.82	62.7	1,008	461	
2010	6	23	11:08 AM	7.68	27.57	4.90	62.3	800	499	

IR WBID OK120420010140_00				OCC WBID OK120420-01-0140T				Bigheart or Blackboy Creek					
Sampling Agency: Oklahoma Conservation Commission - Blue Thumb							County: Osage						
Sampling Location: Latitude 36.1726111 Longitude -96.0825833 (BIG-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2010	6	21	8:15 AM		25								Base flow.
2010	1	14	2:30 PM		1.5								Flow slightly elevated.
2008	3	11	3:31 PM	0.32	15								
2007	8	30	8:08 AM	0	22								
2007	1	8	1:29 PM		10								Base flow.
2006	6	13	9:46 AM	0	21								
2005	9	29	8:08 AM						108				
2005	7	21	7:59 AM						817				
2005	6	23	7:22 AM						194				
2005	1	11	2:00 PM	1.14									
2004	9	16	7:51 AM						1,120				
2004	8	26	7:55 AM						8				
2004	7	22	8:00 AM						25				
2004	6	24	7:41 AM						1,600				
2004	5	27	7:37 AM						350				
2004	1	9	2:46 PM	0.315									
2003	9	25	7:47 AM						99				
2003	7	24	8:25 AM						10				
2003	7	14	11:50 AM	0									
2003	6	26	8:16 AM						>2,400				

IR WBID OK120420010170_00				OCC WBID OK120420-01-0170F				Harlow Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.1610277 Longitude -96.0434444 (HAR-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2017	2	11	8:00 AM		10								
2009	1	6	9:08 AM		5								Low flow.
2008	8	28	9:16 AM		24								Low flow.
2008	1	20	9:25 AM	1.24	7								
2007	8	15	12:25 PM	0	28								
2007	1	8	9:30 AM		5								Base flow.
2006	6	8	9:15 AM		22								Base flow.
2005	9	25	8:45 AM						40				Base flow.
2005	8	25	8:20 AM						1,733				
2005	7	21	8:25 AM						82				
2005	6	23	8:20 AM						291				Low flow.
2005	1	11	11:50 AM	0									
2004	9	16	8:20 AM						230				
2004	8	26	8:30 AM						66				
2004	7	22	8:17 AM						52				
2004	7	14	10:05 AM	1.07									
2004	6	24	7:45 AM						520				
2004	5	27	8:25 AM						620				
2004	1	9	10:56 AM	1.68									
2003	9	25	9:35 AM						205				

IR WBID OK120420010170_00				OCC WBID OK120420-01-0170T				Unnamed Tributary to Harlow Creek					
Sampling Agency: Oklahoma Conservation Commission (BlueThumb)								County: Osage					
Sampling Location: Latitude 36.188666 Longitude -96.0414166 (HAR-2) (This site is on Harlow Creek)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2016	1	29	3:00 PM		10								Base flow.
2015	9	2	4:30 PM		27								Low flow.
2013	3	13	3:35 PM		15								Base flow.
2012	6	21	9:00 AM		23								No flow.
2012	3	10	11:40 AM		13								Flow slightly elevated.
2011	7	22	2:20 PM	0									Dry
2010	1	25	3:30 PM	0.59	7								
2009	7	15	9:00 AM	0									
2007	7	26	8:40 AM	0.1638	22								
2007	2	14	4:00 PM	0.22									
2005	1	18	12:15 PM	0.15									
2004	2	17	3:30 AM	0.209									

IR WBID OK120420010330_00				OCC WBID OK120420-01-0330P				Little Joe Creek Tributary					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.0821 Longitude -95.89583 (LJC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
1998	1	29	11:45 AM	0.225									
1997	7	28	1:00 AM					0.12					
1997	7	21	2:05 PM	0.18									

1997	1	21	8:35 AM											Base flow.
1996	11	4	12:30 PM											Floe slightly elevated.

IR WBID OK120420010340_00				OCC WBID OK120420-01-0340N				Little Joe Creek Tributary					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.0763 Longitude -95.9135 (LJT-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
1998	2	26	9:00 AM										Base flow.
1995	9	14	1:00 AM										Base flow.
1995	8	30	8:30 AM										
1995	7	26	1:00 AM					10					

IR WBID OK120420010340_00				OCC WBID OK120420-01-0340K				Little Joe Creek Tributary					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.07946667 Longitude -95.92121667 (LJT-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2012	2	2	2:51 PM		13								Base flow.
2011	7	25	9:30 AM										Low flow.
2011	2	23	8:35 AM	1.64	10								
2010	1	15	8:15 AM	0.46	4.5								
2009	9	4	7:35 AM										Base flow.
2009	1	9	8:09 AM	0.32	5								
2008	8	15	8:30 AM		28								Base flow.

2008	1	9	8:37 AM	0.42	9									
2007	8	14	8:35 AM	0.0756	29									
2007	1	5	9:14 AM	0.69	10									
2005	7	7	1:30 PM	0										
2005	1	10	11:10 AM	0.62										
2004	1	8	1:20 PM	0.359										
2003	7	2	8:30 AM	0.2										
1996	3	14	10:25 AM	0.874										
1995	7	26	1:00 AM						4,600					

IR WBID OK120420020010_00				OCC WBID OK120420-02-0010D				Polecat Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Tulsa						
Sampling Location: Latitude 36.0103 Longitude -95.99403333 (POL-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2010	5	4	3:30 PM		22.1	7.91	9.76 R		10	<10			28.7	484
2010	3	22	2:00 PM		6.4	7.65	11 R						96.5	297.3
2010	3	3	11:30 AM											
2010	2	16	3:00 PM		3.8	7.79	12.08 R						32.9	412.5
2010	1	11	2:00 PM	59.967	0.6	7.3	14.47 R						19.7	
2009	11	30	2:00 PM	33.154	10.2	7.79	11.31 R				<10	368	9.34	670
2009	10	19	2:00 PM		14.5	7.39	9.81 R				10	214	39.2	368.7
2009	9	14	1:00 PM		22.7	7.41	5.18 R		660	1,000	106	294	176	465.7
2009	8	10	1:00 PM	13.73	31.5	8.13	6.82 R		110	<10	20	318	33.4	573
2009	7	14	11:00 AM											
2009	7	6	2:00 PM	10.051	28.6	7.6	3.56 R		<10	<10	24	434	26.9	754
2009	6	1	7:30 AM	39.386	25.3	7.87	7.35 R		<100	<10	33	295	53.2	518

2009	4	27	7:30 AM		21.6	7.69	6.69 R		200	140	19	249	45	404.1
2009	3	23	8:00 AM	20.679	16	8.39	5.43 R				<10	305	20.6	351.9
2009	2	17	7:30 AM		8.6	7.22	9.52 R				19	287	57.9	505
2009	1	20	8:00 AM											
2009	1	5	7:30 AM	30.963	4.4	7.53	10.55 R				<10	420	18.7	486
2008	12	1	7:30 AM	18.39	7.1	7.31	8.43 R				<10	420	12.5	830
2008	10	27	8:00 AM	52.564	12.1	7.33	7.11 R				22	440	28.4	795
2008	9	22	8:00 AM	26.44	22.9	8.01	8.72 R		40	15	25	371	34.6	681
2008	9	10	8:00 AM	9.342	23.9	7.16	6.32 R						27.1	670
2008	8	11	7:00 AM		26.8	7.36	3.95 R		100	120	32	416	42.8	775
2008	8	5	7:00 AM											
2008	7	7	8:00 AM		30	7.48	7.5 R		10	<10	31	342	40.8	641
2008	6	23	7:00 AM						600	100				
2008	6	2	7:30 AM		22.9	6.91	5.91 R		4,000	800	887	137	518	125.6
2005	5	24	7:30 AM	26.349	27.4	7.24	5.22 RI		160	40	54	241		435.5
2005	4	18	7:30 AM	26.237	20.1	7.32	7.31 R		50	45	48	259	33.2	480.4
2005	3	14	8:00 AM	32.778	11.6	8.25	10.53 R				25	301	26.6	446.1
2005	2	17	3:30 PM											
2005	2	7	8:00 AM		7.3	8.29	10.43 R				567	333		404.8
2005	1	3	8:00 AM	36.11	11.9	8.12					36	334	33	737
2004	11	29	7:30 AM	38.127	9.2	8.44	9.73 RI				26	347	48.2	417.6
2004	10	25	8:00 AM	12.408	19	8.67	8.08 RI		50	<10	16	398	17.5	615
2004	9	20	7:30 AM	3.001	24.4	8.02	4.17 R		45	70	25	403	25.9	691
2004	9	14	8:00 AM	6.426	25	7.46	5.7 R						27	750
2004	8	16	7:30 AM	14.038	24.1	7.91	8.57 R		45	120	44	396	40.2	669
2004	7	12	7:30 AM		27.2	8	5.64 RI		275	200	67	190	97	225.6
2004	6	17	1:30 PM											
2004	6	14	7:30 AM	63.719	26.8	8.11	5.81 R		65	65	70	185	118	273.4
2004	5	3	7:30 AM	53.74	16.8	8.08	7.68 R		130	175	77	193	109	245.5
2004	2	23	8:30 AM	24.103	10.1	8.03	10.11 RI				36	266	48.4	367.1

2004	1	20	7:30 AM	47.228	4.3	7.17	11.84 RI					62	204	106	281.8
2004	1	13	8:00 AM												
2003	12	15	8:00 AM	61.68	4.4	6.63	13.3 RI					19	392	22.9	749
2003	11	3	7:30 AM	13.938	16.6	8.2	7.32 RI					34	310	21.4	576
2003	9	29	7:30 AM	20.381	20	7.69	8.9 RI		30	230		31*	204	37.3	413.5
2003	8	25	7:30 AM	11.221	29.9	8.6	5.08 RI		<10	<10		24*	221*	19.1	489
2003	7	21	7:00 AM	3.424	29.8	8.08	2.86 RI		<10	20		10*	374*	22.4	735
2003	7	10	10:30 AM												
1982	2	1	1:00 AM												
1981	11	10	1:00 AM												
1981	11	1	1:00 AM												
1981	6	16	1:00 AM												
1981	5	14	1:00 AM												

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2010	5	4	3:30 PM	<0.02			0.28						109	Flow is elevated.
2010	3	22	2:00 PM	<0.02			0.81						62	High flow.
2010	3	3	11:30 AM											Flow is elevated.
2010	2	16	3:00 PM	<0.02			0.32						55	High flow.
2010	1	11	2:00 PM	<0.02			0.57						64	
2009	11	30	2:00 PM	<0.02	0.49	<0.015	0.42	<0.005	0.057	116.8	30.9	233	100	
2009	10	19	2:00 PM	<0.02	0.16	0.022*	0.28*	0.055*	0.028*	48.2	15.5	93	64	*Exceeded hold time. High flow.
2009	9	14	1:00 PM	0.09	0.37	0.159*	0.79*	0.226*	0.065*	72.7	19.2	122	91	*Exceeded hold time. High flow.
2009	8	10	1:00 PM	<0.02	<0.02	0.024	0.12	0.17*	0.035	82.5	17.5	78	104	
2009	7	14	11:00 AM											Flow slightly elevated.
2009	7	6	2:00 PM	<0.02	<0.02	0.188	1.01	0.096	0.035	152.4	27.8	211	141	

2009	6	1	7:30 AM	<0.02	<0.02	0.041	0.83	0.131	0.055	84.8	22.3	186	134	
2009	4	27	7:30 AM	<0.02	0.12	0.182	2	0.145	0.037	65	20.2	212	129	High flow.
2009	3	23	8:00 AM	<0.02	<0.02	0.02	0.88	0.134	0.027	157.2	34.5	364	130	
2009	2	17	7:30 AM	<0.02	0.3	0.208	1	0.162	0.079	94.7	34.1	191	89	High flow.
2009	1	20	8:00 AM											Base flow.
2009	1	5	7:30 AM	<0.02	3.15	0.457	1.03	0.084	0.051	153.5	39	257	130	
2008	12	1	7:30 AM	<0.02	0.97	<0.015	0.78	0.139	0.07	141.2	28	314	147	
2008	10	27	8:00 AM	<0.02	0.32	0.052	0.58	0.086	0.042	162	22.9	210	125	
2008	9	22	8:00 AM	0.05	0.15	<0.015	0.75	0.095	<0.005	109.3	21.9	182	136	
2008	9	10	8:00 AM										161	
2008	8	11	7:00 AM	<0.02	0.26	1.903	1.61	0.26	0.196	139.9	25.6	197	138	Elevated flow.
2008	8	5	7:00 AM											Flow slightly elevated.
2008	7	7	8:00 AM	<0.02	<0.02	<0.015	0.49	0.093	0.019	106.6	22.9	224	133	High flow.
2008	6	23	7:00 AM											High flow.
2008	6	2	7:30 AM	<0.02	0.14	0.04	0.18	0.249	0.118	17.9	11.2	48.6	67	High flow.
2005	5	24	7:30 AM	<0.02	0.15	<0.015	0.29	0.121	0.045	48.5	19.4	121	118	
2005	4	18	7:30 AM	<0.02	0.09	<0.015	<0.11	0.045	0.029	77	26.8	140.4	85	
2005	3	14	8:00 AM	<0.02	0.05	<0.015	<0.11	0.085	0.024	91.6	30.6	159	90	
2005	2	17	3:30 PM											Flow slightly elevated.
2005	2	7	8:00 AM	<0.02	0.18	<0.015	0.7	0.478	0.067	51.2	28	106	79	High flow.
2005	1	3	8:00 AM	0.07	0.2	1.275	1.35	0.655	0.612	101.7	28.5	171	93	
2004	11	29	7:30 AM	<0.02	0.26	<0.015	0.42	0.157	0.1	49.8	25.2	130.3	44	
2004	10	25	8:00 AM	<0.02	0.28	<0.015	0.27	0.089	0.016	103.4	29.8	181	188	
2004	9	20	7:30 AM	<0.02	<0.02	0.023	0.44	0.109	0.025	114.1	18.5	176	92	
2004	9	14	8:00 AM										125	
2004	8	16	7:30 AM	<0.02	<0.02	<0.015	0.73	0.141	0.061	111.5	21.3	168.3	104	
2004	7	12	7:30 AM	<0.02	0.2	0.028	<0.11	0.17	0.067	23.7	9.8	75.1	81	High flow.
2004	6	17	1:30 PM											Flow slightly elevated.
2004	6	14	7:30 AM	<0.02	0.3	0.033	<0.11	0.18	0.032	33	11.8	70.9	73	
2004	5	3	7:30 AM	0.06	0.24	0.055	0.501	0.19	0.054	30.1	16.4	105.2	86	

2004	2	23	8:30 AM	<0.02	0.02	0.028	<0.11	0.107	0.038	70.5	28.8	135.2	75	
2004	1	20	7:30 AM	<0.02	0.22	0.035	0.557	0.15	0.061	29.2	16.4	77.9	47	
2004	1	13	8:00 AM											Flow slightly elevated.
2003	12	15	8:00 AM	<0.02	0.21	0.144	0.499	0.156	0.072	118.8	35.2	173.6	193	
2003	11	3	7:30 AM	<0.02	0.25	0.017	0.406	0.098	0.016	87.1	25.3	167.1	111	
2003	9	29	7:30 AM	<0.02	0.16	0.032	0.8	0.14	0.041	53.3	16.6	121.7	59	*Exceeded hold time.
2003	8	25	7:30 AM	0.02*	0.02*	0.055	0.492	0.108	0.028	68.9	16	130.7	96	*Exceeded hold time.
2003	7	21	7:00 AM	0.02*	0.05*	0.164	0.64	0.125	0.032	128.1	18.7	188.6	39	*Exceeded hold time.
2003	7	10	10:30 AM											Flow slightly elevated.
1982	2	1	1:00 AM											High flow.
1981	11	10	1:00 AM											High flow.
1981	11	1	1:00 AM											High flow.
1981	6	16	1:00 AM											High flow.
1981	5	14	1:00 AM											High flow.

IR WBID OK120420020010_00				OCC WBID OK120420-02-0010C				Polecat Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)							County: Tulsa						
Sampling Location: Latitude 36.01329 Longitude -95.97724 (POL-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2015	9	8	2:30 PM		32								Low flow.
2015	1	22	2:45 PM		12								Flow slightly elevated.
2014	9	11	3:00 PM		27								Base flow.
2010	2	18	4:00 PM		5								Flow slightly elevated.

IR WBID OK120420010_00				INCOG WBID RMPC				Polecat Creek			
Sampling Agency: INCOG								County: Tulsa			
Sampling Location: Latitude 36.012789 Longitude -95.975549 (POL-2) (South Elm St. Bridge)											
Year	Month	Date	Time	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Conductivity (mmhos/cm)	Enterococcus (cfu/100 ml)	Comments
2013	9	18	10:20	None	7.47	24.86	80.9	6.70	658	31	
2013	8	20	10:00	None	7.22	25.84	45.6	3.71	354	340	Considerable amount of red, floating algae. Looks like some backwater from the Arkansas River due to high flows.
2013	7	17	10:10	None	7.99	28.98	105.3	8.08	675	79	
2013	6	18	9:55	None	7.37	25.71	64.6	5.26	370	>2,400	Rain Event: Bixby - 1.77" on 6/16/13 and 0.86" early (before sampling) on 6/17/13. Tulsa International Airport - 0.70" early (before sampling) on 6/17/13.
2012	11	15	10:35	None	8.22	10.83	134.5	14.86	555	16	
2012	10	24	10:30	None	7.71	21.02	96.3	8.57	422	5.1	

IR WBID OK120420020030_00				OWRB WBID OKPB01-019				Coal Creek									
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa									
Sampling Location: Latitude 36.00686 Longitude -95.99294 (COA-1)																	
Year	Month	Date	Time	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L
						mg/l	Sat.										
2005	7	11	6:15 PM					15	412			<0.05	0.08		<0.05	0.44	0.545
2005	6	28	10:38 AM	26.72	7.25	9		16	690		1,043	<0.15	0.06		0.05	0.55	0.635

Year	Month	Date	Time	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Chlor a mg/m ³	Pheophytin a mg/m ³	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml
2005	7	11	6:15 PM	0.029	0.058	160	24.5			3.1	1.8				
2005	6	28	10:38 AM	0.02	0.054	277	<10	249	138	5.24	8.8	21-40	20.00	20.00	10

Year	Month	Date	Time	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
									Severity	Size	
2005	7	11	6:15 PM								Pre
2005	6	28	10:38 AM		None	None	None	None	None	None	Pre

IR WBID OK120420020030_00				OWRB WBID OKPB01-019						Coal Creek											
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa													
Sampling Location: Latitude 36.00686 Longitude -95.99294 (COA-1)																					
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Ca µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Fe µg/l	Hg µg/l	K µg/l	Na mg/l	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data	
2005	7	11	4:25 PM	<2	<10	217	39	<1	<5	<5	727	<0.05	5	83	<5	<5	<5	<10	<5	Pre	
2005	6	28	10:30 AM	<2	<10	330	55	<1	<5	<5	795	<0.05	6	153	<5	<5	<5	<10	<5	Pre	

IR WBID OK120420020030_10				OCC WBID OK120420-03-0030M				Coal Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 35.98608333 Longitude -96.0069166 (COA-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	1	19	3:00 PM		-4								Base flow.
2017	8	28	1:30 PM		29								Low flow.
2017	7	27	8:00 AM										No flow.
2017	2	10	2:00 PM		15								Low flow.
2003	7	2	9:30 AM										Base flow.
2003	2	5	12:38 PM	0.62									
2002	7	22	1:20 PM	0									
2002	2	8	12:30 PM	0.72									
2001	7	22	10:20 AM	0									
2000	8	15	10:00 AM	1.2									
2000	2	17	9:30 AM	2.28									
1999	7	7	9:25 AM	1.881									
1999	1	20	1:00 PM	0.097									
1998	7	28	9:15 AM	0.668									
1998	2	25	2:25 PM										Base flow.

IR WBID OK120420020040_00				OCC WBID OK120420-02-0040G				Nickel Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.0319 Longitude -96.0284 (NIC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	9	6	9:30 AM										High flow.
2018	2	13	2:30 PM		5								Base flow.
2017	7	27	1:30 PM		28								Base flow.
2017	2	13	12:00 PM		10								Base flow.
2016	8	17	1:30 PM		26								Low flow.
2016	1	26	12:30 PM		6								Base flow.
2015	8	17	8:45 AM	1.903	26								
2015	1	22	11:00 AM		6								Base flow.
2014	8	18	5:45 PM		27								Base flow.
2014	3	5	8:40 AM										Flow slightly elevated.
2013	3	16	1:30 PM	0.8713	16								
2013	2	19	10:00 AM	0.5889	8.4								
2012	7	20	12:00 AM										No flow.
2012	2	23	8:58 AM	1.7	10								
2011	7	18	2:55 PM	0.5	30.5								
2011	1	19	10:00 AM		4								Base flow.
2010	6	29	8:10 AM		26.5								Flow slightly elevated.
2010	1	12	11:05 AM	2.2	1.5								
2009	9	3	8:30 AM	0.832	22								
2009	1	16	8:23 AM	0.68	2								
2008	8	29	2:56 PM	0.7524	29								

2008	1	31	10:35 AM	1.66	5								
2007	8	22	2:41 PM	0.832	29								
2006	6	14	9:16 AM										Base flow.
2006	2	6	10:41 AM		8								Low flow.
2005	9	29	8:55 AM						35				Elevated flow.
2005	8	25	6:45 AM						308				Low flow.
2005	7	21	7:35 AM						38				
2005	7	13	12:51 PM	1.53									
2005	6	23	8:45 AM						238				
2005	1	12	8:49 AM	8.77									
2004	9	16	10:40 AM						130				
2004	8	26	8:46 AM						310				
2004	7	15	11:30 AM	6.4									
2004	6	24	10:05 AM						550				
2004	5	27	9:25 AM						>2,400				Base flow.
2004	1	29	8:10 AM	8.25									
2003	9	25	9:30 AM						580				Flow slightly elevated.
2003	8	21	9:10 AM						260				
2003	7	24	10:55 AM						42				
2003	7	2	10:59 AM	1.57									
2003	6	26	8:10 AM						>2,400				
2003	2	5	8:45 AM	0.74									
2002	8	22	8:40 AM						41				Base flow.
2002	7	22	1:38 PM	0									
2002	7	18	8:43 AM						326				No flow.
2002	6	20	9:30 AM						308				Low flow.
2002	5	23	9:30 AM						205				Flow slightly elevated.
2002	1	25	10:45 AM	1.14									
2001	9	27	9:30 AM						3				Base flow.
2001	8	25	8:15 AM						23				

2001	7	28	9:00 AM						10				
2001	7	22	10:00 AM	0									
2001	6	28	9:10 AM						>2,400				
2001	5	31	9:10 AM						>2,400				
2001	1	9	12:30 PM	15.87									
2000	9	21	9:45 AM						15				
2000	8	15	1:00 PM	0.15									
2000	7	27	9:30 AM						220				
2000	6	29	5:55 AM						1,600				
2000	5	24	9:00 AM						110				
2000	2	17	1:10 PM	1.6									
1999	8	26	8:00 AM						110				
1999	7	29	9:10 AM						490				
1999	7	27	10:15 AM	0.36					490				
1999	6	24	1:00 AM						>2,400				
1999	5	26	9:20 AM						130				
1999	1	20	2:15 AM	1.149									
1998	8	27	9:00 AM					1,400					
1998	8	11	11:00 AM	0.044									
1998	7	23	9:00 AM					45					
1998	6	18	8:50 AM					110					
1998	1	30	9:30 AM										Elevated flow.
1997	10	31	1:00 AM					64	37				
1997	9	22	9:15 AM					140					
1997	8	18	1:00 AM					0.15					High flow.
1997	7	29	1:00 AM					<0.1					High flow.
1997	7	28	1:00 AM					<0.1					
1997	7	21	12:27 PM	1.515									
1997	1	21	1:00 PM										Base flow.
1996	10	13	8:00 AM										Base flow.

1996	9	12	11:00 AM											Base flow.
1996	8	12	1:20 PM	3.509										

IR WBID OK120420020050_00				OCC WBID OK120420-02-0050J				Polecat Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 36.02201 Longitude -96.04861 (POL-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2012	7	3	9:15 AM		31								
2012	2	23	11:07 AM	19	12								
2011	7	29	10:30 AM		33								
2011	3	10	2:00 PM		9								
2010	7	26	8:45 AM		30								

IR WBID OK120420020050_00				OCC WBID OK120420-02-0050G				Polecat Creek						
Sampling Agency: Oklahoma Conservation Commission (Including Blue Thumb)								County: Tulsa						
Sampling Location: Latitude 36.0151 Longitude -96.0297 (POL-3)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
2015	3	30	8:45 AM		14.4	6.23	9.67 R				35	380	80.5	598.6
2015	2	24	9:15 AM		3.1	8.11	14.15 R				<10	560	11.5	1,008
2015	1	22	1:00 PM		6									
2015	1	21	8:00 AM		4.8	7.44	12.59 R				<10	400	7.83	768.7
2015	1	12	9:45 AM											
2014	12	9	8:45 AM		8.5	6.98	8.14 R				<10	400	11.6	787

2014	11	4	8:00 AM		13.4	7.69	8.66 R				15	420	20.7	794
2014	10	6	9:00 AM		18.6	7.37	7.01 R				28	260	47.7	596
2014	9	2	9:30 AM		25.9	8.15	5.2 R		910*		59	570	65.9	950
2014	8	18	12:00 PM		27									
2014	8	5	3:00 PM						<10				18.3	
2014	7	30	8:45 AM	4.154	27.8	8.76	11.45 R		20		19	340	17.4	626
2014	7	25	7:30 AM											
2014	6	23	9:15 AM		28.1	7.68	7.28 R		20		30	200	36.8	354.9
2014	5	19	9:45 AM		20.9	8.01	8.66 R		10*		11	470	14.5	828
2014	4	14	8:30 AM	55	17.2	8.61	6.55 R				18	420	16.9	783
2014	3	10	8:30 AM		7.5		13.85 R				17	440	16.5	773
2014	3	6	12:55 PM		6									
2014	2	3	8:45 AM	2	2.1	8.49	16.16 R				<10	380	8.21	720
2014	1	22	9:00 AM											
2014	1	6	8:00 AM		1	7.15	14.49 R				<10	390	10.4	686
2013	11	13	10:30 AM	15.796	10	8.25	11.75 R				13	230	20.1	404
2013	10	7	8:50 AM	16.562	18.7	7.45	5.52 R				17	250	24	462.8
2013	9	3	9:00 AM	2.522	27.7	8.17	5.34 R		10*		13	340	22.2	566
2013	8	22	7:00 AM	7.292	28.5	8.24	8.34 R						25.3	445.7
2013	8	13	12:15 PM						20					
2013	7	29	9:00 AM	2.855	26.9	7.94	5.5 R		5		22	247	30.4	430.4
2013	7	12	9:17 AM	14.04	31									
2013	6	24	8:00 AM	10.992	28.8	8.14	7.71 R		25*		22	238	27.2	418.2
2013	5	20	7:40 AM	30.372	23.6	7.5	4.92 R		70*		14	308	28	546
2013	3	12	11:15 AM		9									
2009	9	3	9:45 AM		22									
2009	1	16	9:51 AM	7.9	3									
2008	8	26	11:15 AM	12.9	28									
2008	3	11	10:40 AM	71.21	8									
2008	1	31	12:00 PM											

2007	8	22	3:15 PM	13.585	31									
2007	1	9	10:14 AM		6									
2006	7	10	9:22 AM											
2006	2	6	12:15 PM	9.69	9									
2005	9	29	8:45 AM						29					
2005	8	25	6:30 AM						613					
2005	7	21	7:21 AM						19					
2005	7	13	1:34 PM											
2005	6	23	8:30 AM						83					
2004	9	16	10:34 AM						82					
2004	8	26	8:35 AM						26					
2004	6	24	9:55 AM							950				
2004	5	27	9:25 AM						230					
2004	2	23	4:30 AM	37.74										
2003	9	25	9:25 AM						136					
2003	8	21	8:45 AM						125					
2003	7	24	10:25 AM						8					
2003	7	2	12:55 PM	46.96										
2003	6	26	7:50 AM						>2,400					
2003	2	5	10:08 AM											
2002	8	22	8:30 AM						56					
2002	7	22	1:45 PM	11.32										
2002	7	18	8:21 AM						65					
2002	6	20	9:10 AM						291					
2002	5	23	9:00 AM						261					
2002	1	25	12:15 PM	20.5										
2001	9	29	8:40 AM						46					
2001	8	25	9:00 AM						54					
2001	7	24	9:00 AM	22.1					70					
2001	6	27	9:10 AM	43.47					1,700					

2001	5	31	9:00 AM						2,000					
2001	1	23	3:00 PM	80.81										
2000	9	21	9:25 AM						47					
2000	8	15	11:00 AM	9.5										
2000	7	27	9:30 AM						460					
2000	6	29	5:55 AM						>2,400					
2000	5	24	9:00 AM						76					
1999	8	26	8:00 AM						28					
1999	8	9	11:00 AM	10.398										
1999	7	29	8:35 AM						35					
1999	6	24	1:00 AM						>2,400					
1999	5	26	9:52 AM						690					
1999	1	15	2:00 PM	31.429										
1998	8	27	8:57 AM					80						
1998	8	11	9:15 AM	7.957										
1998	6	18	8:55 AM					100						
1998	2	13	9:30 AM											
1997	9	22	9:15 AM					200						
1997	8	18	8:30 AM					0.22						
1997	8	18	8:00 AM					0.155						
1997	8	4	10:30 AM	14.865										
1997	7	29	1:00 AM					<0.1						
1997	7	28	1:00 AM					0.125						
1997	1	21	2:00 AM											
1996	10	15	1:00 AM											
1996	9	12	1:00 PM											
1996	8	23	1:10 PM	1.396										

Year	Month	Date	Time	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	3	30	8:45 AM	0.23	0.39		1.2	0.18	0.116	92.5	40.9	199	93	Elevated flow.
2015	2	24	9:15 AM	<0.02	0.66		0.65	0.51	0.47	205	44.7	295	137	Base flow.
2015	1	22	1:00 PM											Base flow.
2015	1	21	8:00 AM	0.35	0.28		0.51	0.901	0.83	143	34.6	323	116	Base flow.
2015	1	12	9:45 AM											Base flow.
2014	12	9	8:45 AM	0.42	0.39		10.1	0.329	0.254	137	31.1	214	175	Base flow.
2014	11	4	8:00 AM	0.26	3.28		0.95	0.157	0.103	149	33.2	215	126	Flow slightly elevated.
2014	10	6	9:00 AM	0.17	0.38		0.79	0.177	0.127	82.9	52.5	239	131	Flow slightly elevated.
2014	9	2	9:30 AM	<0.02	0.11	0.017	2.05	0.298	0.103	242.7	26.1	223	89	*Exceeded hold time. Flow slightly elevated.
2014	8	18	12:00 PM											Base flow.
2014	8	5	3:00 PM											Base flow.
2014	7	30	8:45 AM	<0.02	<0.02	<0.015	2.1	0.306	0.091	119.5	22.9	220	114	
2014	7	25	7:30 AM											Base flow.
2014	6	23	9:15 AM	<0.02	0.44	0.026	0.88	0.202	0.152	47.9	13	108	85	Elevated flow.
2014	5	19	9:45 AM	0.18	1.19		1.24	0.139	0.075	179.8	28.5	276	143	*Exceeded hold time. Base flow.
2014	4	14	8:30 AM	<0.02	1.25		1.31	0.29	0.199	158.5	35.5	285	137	
2014	3	10	8:30 AM	<0.02	3.13		1.32	0.479	0.4	153.5	33.3	318	147	Flow slightly elevated.
2014	3	6	12:55 PM											Base flow.
2014	2	3	8:45 AM	0.31	4.92		1.07	1.048	0.925	137.8	34.7	205	109	
2014	1	22	9:00 AM											Base flow.
2014	1	6	8:00 AM	<0.02	3.38		0.91	0.379	0.314	134.3	34.9	282	116	Base flow.
2013	11	13	10:30 AM	<0.02	1		0.67	0.152	0.13	51.9	16.2	237	127	
2013	10	7	8:50 AM	<0.02	1.01		0.83	0.209	0.169	74.4	21.2	175	124	
2013	9	3	9:00 AM	0.22	1.25	0.105	1.1	0.139	0.072	99.5	21.7	195	79	*Exceeded hold time.
2013	8	22	7:00 AM									150	77	DO was 8.84 in a RI and 8.21 at PT.

2013	8	13	12:15 PM												Flow slightly elevated.
2013	7	29	9:00 AM	0.09	0.58	0.03	0.82	0.195	0.126	61.9	18.2	158	136		
2013	7	12	9:17 AM												
2013	6	24	8:00 AM	<0.02	0.58	<0.015	1.36	0.296	0.186	59.4	20.9	135	137		*Exceeded hold time.
2013	5	20	7:40 AM	<0.02	0.88		1.09	0.231	0.194	87.5	33.8	120	147		*Exceeded hold time.
2013	3	12	11:15 AM												Flow slightly elevated.
2009	9	3	9:45 AM												Flow slightly elevated.
2009	1	16	9:51 AM												
2008	8	26	11:15 AM												
2008	3	11	10:40 AM												
2008	1	31	12:00 PM												Flow slightly elevated.
2007	8	22	3:15 PM												
2007	1	9	10:14 AM												Elevated flow.
2006	7	10	9:22 AM												Low flow.
2006	2	6	12:15 PM												
2005	9	29	8:45 AM												
2005	8	25	6:30 AM												
2005	7	21	7:21 AM												
2005	7	13	1:34 PM												Base flow.
2005	6	23	8:30 AM												
2004	9	16	10:34 AM												
2004	8	26	8:35 AM												
2004	6	24	9:55 AM												
2004	5	27	9:25 AM												
2004	2	23	4:30 AM												
2003	9	25	9:25 AM												
2003	8	21	8:45 AM												
2003	7	24	10:25 AM												
2003	7	2	12:55 PM												
2003	6	26	7:50 AM												

1997	8	18	8:00 AM												High flow.
1997	8	4	10:30 AM												
1997	7	29	1:00 AM												High flow.
1997	7	28	1:00 AM												
1997	1	21	2:00 AM												Base flow.
1996	10	15	1:00 AM												Base flow.
1996	9	12	1:00 PM												Base flow.
1996	8	23	1:10 PM												

IR WBID OK120420020050_10				OCC WBID OK120420-02-0290B				Polecat Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 35.91963889 Longitude -96.281 (POL-4)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
1998	7	23	9:10 AM					14					
1997	8	5	12:00 PM	0.24									
1997	6	27	2:00 AM	2									
1997	6	11	1:00 AM	0.505									
1997	6	10	1:00 AM	1.231									

IR WBID OK120420020060_00				OCC WBID OK120420-02-0060G				Rock Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 35.99325 Longitude -96.136689 (ROC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2017	9	11	11:30 AM		24								
2017	2	13	10:00 AM		11								
2016	8	17	9:45 AM		27								
2014	6	24	9:10 AM		27								
2014	3	6	3:00 PM		7								
2013	9	4	4:00 PM	1.347	30								
2013	1	30	3:55 PM	4.31	10								
2012	8	14	12:00 PM	1.38	28								Low flow.
2012	3	10	9:00 AM		12								Base flow.
2011	7	29	12:30 PM		34								Base flow.
2011	3	10	4:00 PM		9								Slightly elevated.
2010	1	19	12:30 PM	18.89	5								
2009	8	25	2:00 PM	5.023	28								
2009	2	3	3:15 PM	2.57									
2008	1	30	10:30 AM	6.31	6								
2007	7	31	8:50 AM	5.81	28								
2007	2	16	10:30 AM	8.92									

IR WBID OK120420020065_00					OCC WBID OK120420-02-0065C					Unnamed Trib. to Rock Creek				
Sampling Agency: Oklahoma Conservation Commission										County: Creek				
Sampling Location: Latitude 35.98938 Longitude -96.106 (UTR-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments	
2010	2	19	9:00 AM	0.2	5									
2009	7	13	2:15 PM	0										
2009	2	4	2:15 PM	0.36										

IR WBID OK120420020290_00					OCC WBID OK120420-02-0290G					Polecat Creek				
Sampling Agency: Oklahoma Conservation Commission										County: Creek				
Sampling Location: Latitude 35.96613889 Longitude -96.369 (POL-5)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments	
1998	2	17	1:30 PM	1.2										
1997	6	27	2:30 AM	2.4									Flow at 2:30:00 was 1.58	
1997	6	4	10:30 AM	3.853										
1997	6	2	11:00 AM	2.98										

IR WBID OK120420020290_00					OCC WBID OK120420-02-0290K					Polecat Creek				
Sampling Agency: Oklahoma Conservation Commission										County: Creek				
Sampling Location: Latitude 35.96733333 Longitude -96.405 (POL-6)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments	
1997	7	15	2:30 AM	1.26										
1997	6	27	11:30 AM	1.54										
1997	6	2	12:00 PM	2.4										

IR WBID OK121300010010_00					OWRB WBID 12130010010_001AT					Bird Creek									
Sampling Agency: Oklahoma Water Resources Board										County: Tulsa									
Sampling Location: Latitude 36.22311412 Longitude -95.81921244 (BIR-1) (SH 266, Port of Catoosa)																			
Year	Month	Date	Time	Flow	Stream Stage ft	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L
								mg/l	Sat.										
2019	4	23	8:27 AM		4.47	19.18	7.82	8.22	89	24	298	20.3	478			2.51	0.08	0.8	3.31
2019	4	23	8:25 AM														<0.1		
2019	3	11	6:00 PM		4.81	10.72	7.66	10.81	97.5	26	312	40.0	529			1.58	0.11	0.89	2.47
2018	10	29	5:22 PM		3.86	17.3	7.64	9.31	97	24	260	34.3	448			3.39	0.08	0.79	4.18
2018	9	24	4:55 PM		4.37	23.33	7.67	7.33	86	17.5	172	20.7	345			1.91	0.09	0.7	2.61
2018	7	24	5:19 PM		4.1		8.68			23	208	22.7	420			2.14	0.08	0.73	2.87
2018	4	23	3:52 PM		4.97	15.21	7.68	8.7	86.8	23	244	22.7	399			1.17	0.08	0.81	1.98
2018	1	9	5:10 PM		3.92	5.48	7.95	13.05	103.7	14	302	12.3	533			2.75	0.1	0.87	3.62
2017	12	11	4:40 PM		4.02	9.43	8.19	12.68	111	16	278	7.3	475			3.28	0.08	0.84	4.12
2017	11	13	4:35 AM		3.87	14.37	7.53	10.09	98.8	<10	250	7.3	506			4.33	0.08	0.85	5.18

2017	8	28	5:45 PM		4.4	27.3	7.86	8.59	109	11	228	19.0	347			1.49	0.08	0.69	2.18
2017	3	13	6:31 PM			13.2	7.72	10.4	99.1	21	293	23.3	493			3.4	0.08	1	4.4
2017	2	13	5:30 PM			12.33	7.83	11.74	109.9	31	270	24.3	528			3.84	0.14	1.28	5.12
2016	12	6	8:32 AM			11.49	7.67	9.54	87.61	15	276	17.3	476			5.17	0.08	0.86	6.03
2016	10	25	10:17 AM			20.1	7.95	8.31	91.6	40	266	44.3	442			4.89	0.08	1.09	5.98
2016	9	20	6:00 PM			26.32	7.65	8.48	105.29	17	236	18.0	424			2.43	0.08	0.68	3.11
2016	8	22	5:59 PM			26.5	7.93	8.52	106.11	22	219	20.0	386			2.11	0.08	0.81	2.92
2015	11	9	4:35 PM	159 cfs	4.42	15.62	7.59	8.93	89.9	25	280	23.3	431			3.86	0.08	0.9	4.76
2015	11	9									256								
2015	10	12	4:49 PM	207 cfs	4.62	21.6	7.64	8	90.9	30	253	21.0	388			1.91	0.08	0.95	2.86
2015	10	12	4:47 PM								198								
2015	9	22	9:20 AM	199 cfs	4.59	23.4	7.5	7.35	86.41	25	269.6	27.0	414			1.9	0.08	0.89	2.79
2015	9	22	9:18 AM								218								
2015	8	17	5:55 PM																
2015	7	27	6:33 PM	381 cfs	5.11	31.87	7.52	6.63	90.67		202.32	59.3	311.27			1.48	0.08	0.88	2.36
2015	7	27	6:31 PM								182								
2015	6	9	5:20 PM																
2015	5	13	1:29 PM		5.81	19.6	7.64	7.64	83.4		284	60.7	436.6			1.3	0.12	1.22	2.52
2015	5	13	1:27 PM								254								
2015	4	13	5:54 PM	1,880 cfs	7.78	17.12	7.6	7.6	79		323	165.3	496			0.69	0.23	1.69	2.38
2015	4	13	5:52 PM								280								
2015	3	9	4:06 PM	115 cfs	4.17	9.9	7.74	10.99	97.4		565	9.7	870			3.33	0.08	1.2	4.53
2015	3	9	4:04 PM								454								
2015	1	12	4:28 PM	142 cfs	4.34	4.9	7.78	13.2	103		362	7.0	556.5			3.23	0.08	0.91	4.14
2015	1	12	4:26 PM								305								
2014	12	8	12:08 PM	122 cfs	4.24	10.7	7.57	10.43	94.1		298	13.0	458			3.07	0.14	1.02	4.09
2014	12	8	12:06 PM								258								
2014	10	27	1:32 PM	108 cfs	4.1	21.4	7.67	7.35	83.3		306	18.7	471			2.98	0.16	0.78	3.76
2014	10	27	1:30 PM								264								
2014	9	15	12:33 PM								236					2.73		0.78	3.51

2014	8	11	10:04 AM								211					1.27	<0.1	1.03	2.3
2014	6	23	1:26 PM	256 cfs	4.75	26.32	7.7	6.35	78.8		330	50.7	508			1.37	0.1	0.81	2.18
2014	6	23	1:24 PM								271								
2014	6	9	12:34 PM	389 cfs	5.15	24.2	7.75	6.13	73.3		269	54	413.4			1.13	0.09	1.12	2.25
2014	6	9	12:32 PM								225								
2014	4	21	1:03 PM	214 cfs	4.6	17.5	7.49	8.22	86.2		297	21.3	456			1.08	0.08	0.72	1.8
2014	4	21	1:00 PM								230								
2014	3	10	12:25 PM								306					2.18		1.26	3.44
2014	1	13	12:09 PM	118 cfs	4.17	6.9	7.98	13.14	108.3		429.45	8.3	660.7			2.93	0.08	0.97	3.9
2014	1	13	12:07 PM								329								
2013	11	18	11:50 AM	118 cfs	4.17	14.26	7.59	9.45	92.3		310.7	27.7	478			1.97	0.08	1.02	2.99
2013	11	18	11:48 AM								250								
2013	9	16	1:31 PM								208					2.93		0.87	3.8
2013	8	5	11:50 AM																
2013	7	29	1:30 PM								180					1.06		0.97	2.03
2013	7	15	3:25 PM																
2013	6	24	12:43 PM	199 cfs	4.63	29	7.76	6.53	85		267.15	47	411			2.09	0.29	1.14	3.23
2013	6	24	12:41 PM								221								
2013	5	20	1:35 PM	204 cfs	4.65	22.9	7.68	6.63	77.3		285	24	438			3.55	0.1	0.99	4.54
2013	5	20	1:32 PM								259								
2013	5	13	12:35 PM																
2013	4	1	3:00 PM	212 cfs	4.68	16.03	7.93	8.88	90.2		281	19	433			3.93	0.08	1.04	4.97
2013	4	1	3:00 PM								244								
2013	2	11	2:00 PM	118 cfs	4.24	10.19	7.9	10.8	96.2		289	13	506			3.81	0.17	1.19	5
2013	2	11	2:00 PM								329								
2013	1	7	2:15 PM								254					4.74		1.62	6.36
2012	9	17	9:44 AM	207 cfs	4.59	21.69	7.89	7.89	89.8		259	18	399			3.56	0.06	0.81	4.37
2012	7	16	9:39 AM	182 cfs	4.49	28.72	7.41	7.07	91.5		283	24.3	435			5.23	0.05	0.84	6.07
2012	4	30	11:15 AM	2,220 cfs	5.54	22.11	7.89	7.32	84		264	117	406			2.04	0.2	1.01	3.05
2012	3	26	9:58 AM	573 cfs	5.66	16.11	7.71	8.34	84.7		264	60.7	407			1.87	0.18	0.81	2.68

2012	1	23	9:41 AM	88 cfs	4.04	8.1	7.81	11.98	101.6		402	8	618			6.69	0.5	1.47	8.16
2011	10	31	10:01 AM	138 cfs	4.32	15.26	7.88	10.29	102.7		263	17	404			3.6	0.1	0.94	4.54
2011	10	3	10:35 AM	191 cfs	4.6	12.09	7.73	10.41	96.9		245	26.3	378			3.15	0.07	0.61	3.76
2011	8	19	1:09 PM	201 cfs	4.53	29.45	7.69	7.54	99		245	49	376				0.15		
2011	7	18	12:01 PM	177 cfs	4.55	30.69	7.95	6.8	91.1		262	22	403			3.65	0.03	0.83	4.48
2011	5	10	9:17 AM	186 cfs	4.59	20.91	7.63	8.26	92.6		360	32.3	554			3.72	0.05	0.78	4.5
2010	11	8	10:00 AM	76 cfs	1.54	11.53	7.66	9.83	90.3		336	12	517			4.68	0.05	0.81	5.49
2010	9	20	9:35 AM	249 cfs	0	26.03	7.67	7.4	91.3		199	75.7	306			2.28	0.16	0.77	3.05
2010	8	30	12:05 PM	172 cfs	4.56	26.06	7.55	8.26	102		354	27	545			3.22	0.01	0.74	3.96
2010	5	3	8:52 AM	179 cfs	4.59	18.82	9.12	9.33	100.3		355	22.7	546			2.45	0.05	0.74	3.19
2010	5	3	8:52 AM								358								
2010	3	15	9:21 AM	730 cfs	0	7.94	7.08	11.43	96.5		245	27.3	377			0.98	0.12	0.53	1.51
2010	3	15	9:21 AM								214								
2010	2	15	9:35 AM	928 cfs	3.47	2.82	7.41	13.66	101.1		210	21.7	322			0.42	0.11	0.5	0.92
2010	2	15	9:30 AM								178								
2009	10	19	9:45 AM	222 cfs	4.7	14.44	7.63	9.14	89.8		265	29	447			3.55	0.3	0.96	4.51
2009	10	19	9:30 AM								289								
2009	8	17	10:45 AM	194 cfs	4.58	27.97	7.43	6.77	86.5		235	33	407			3.3	0.06	0.81	4.11
2009	8	17	10:30 AM								265								
2009	6	22	10:02 AM	170 cfs	4.53	30.01	7.84	7.37	97.6		283	40.3	435			2.38	0.03	0.95	3.33
2009	6	22	10:02 AM								259								
2009	4	20	10:00 AM	3,850 cfs	10.57	13	7.8	9.6	91		128	253.7	198			0.26	0.2	1.33	1.59
2009	4	20	10:00 AM								152								
2009	3	23	9:41 AM	116 cfs	4.3	16.31	7.92	11.11	113.5		363	16	560			4.99	0.08	1.18	6.17
2009	3	23	9:41 AM								319								
2009	3	2	9:24 AM	163 cfs	4.53	8.27	7.59	12.03	102.5		310	21	479			3.46	0.07	1.34	4.8
2009	3	2	9:24 AM								288								
2009	1	5	10:30 AM	148 cfs	4.46	6.01	6.92	11.71	94.1		333	27	513			3.2	0.09	1.1	4.3
2009	1	5	10:30 AM								341								
2008	11	10	9:13 AM	281 cfs	4.95	11.92	7.8	9.27	86		340	46	525			2.33	<0.08	1.09	3.42

2008	11	10	9:13 AM								204								
2008	9	2	9:25 AM	281 cfs	4.75	28.29	8.03	7.23	93		284	23	436			2.06	0.01	0.69	2.75
2008	9	2	9:25 AM								246								
2008	7	7	9:57 AM	131 cfs				8.52	99.5							0.45	0.08	0.63	
2008	5	27	2:50 PM	3,530 cfs	7.56	20.72	7.63	7.51	83.8		101	355	157			0.35	0.3	1.4	1.75
2008	5	27	2:46 PM								118								
2008	4	28	4:01 PM			15.52	7.59	9.56	96		175	75	270			0.35	0.08	0.76	1.11
2008	4	28	4:01 PM								148								
2008	3	16	2:14 PM	72 cfs	4.01	12.17	7.69	10.14	94.6		310	41	476			1.52	0.19	0.97	2.49
2008	3	16	2:14 PM								275								
2008	2	20	9:20 AM	674 cfs	5.9	6.36	8.23	12.4	100.6		268	105	412			0.82	0.17	1.12	1.94
2007	12	18	2:00 PM	425 cfs	5.34							25				1.26	0.01	0.81	2.07
2007	11	6	8:55 AM	91 cfs	4.25	15.34	7.88	9.02	90.3		337	18	520			3.09	<0.08	0.93	4.02
2007	11	6	8:55 AM								355								
2007	10	1	5:40 PM																
2007	10	1	3:46 PM	265 cfs	4.9		7.75				222	22				1.17	0.59	0.99	2.16
2007	8	14	3:14 PM	1420 cfs	7.24	24.71	7.71	8.78	105.9		130	36	201			0.53	0.12	0.61	1.14
2007	7	17	4:39 PM	425 cfs	5.38	29.04	7.88	6.96	90.5		174	92	268			1.42	0.14	1.32	2.74
2007	6	19	10:19 AM	2,040 cfs	8.18	22.17	7.78	8.17	93.8		141	77	217			0.42	<0.05	0.73	1.15
2007	5	7	4:46 PM	18 cfs	26.06	19.81	7.88	6.99	76		17	561	26			0.36	0.1	2.27	2.63
2007	4	10	3:57 PM	232 cfs	4.17	11.98	7.84	10.31	95.8		257	63	397			2.15	0.28	1.37	3.52
2007	3	13	11:05 AM	166 cfs	4.52	15.65	7.65	9.6	96.8		630	20	970			3.22	0.23	1.21	4.43
2007	1	29	2:20 PM	399 cfs	5.29	3.26	7.67	13.4	100.5		224	53	344			0.16	0.14	0.66	0.82
2006	12	6	1:20 PM	324 cfs	5.08	5.78	7.84	11.51	92.3		629	33	968			1.41	0.46	1.61	3.02
2006	11	8	12:15 PM			14.56	7.59	8.55	88.3		310	11	487			3.69	0.85	1.27	4.96
2006	10	2	3:45 PM			23.99	8.04	5.84	71.8		246	25	384			2.88	<0.05	0.75	3.63
2006	10	2	12:40 PM																
2006	9	18	1:42 PM																
2006	9	5	11:32 AM																
2006	8	22	12:45 PM	288 cfs	5.08	26.7	7.88	5.43	67.5		173	82	270			1.3	0.11	0.98	2.28

2006	8	21	2:22 PM																
2006	8	7	1:54 PM																
2006	7	24	4:38 PM																
2006	7	17	10:53 AM	202 cfs	4.8	30.89	7.46	5.71	78.5		247	36	387			2.24	0.08	0.94	3.18
2006	7	5	2:39 PM																
2006	6	26	12:47 PM																
2006	6	12	2:12 PM																
2006	6	12	11:11 AM	176 cfs	4.71	28.04	7.46	6.96	90.8		225.3	25	352			2.41	0.051	0.87	3.28
2006	5	23	9:30 AM																
2006	5	9	10:30 AM	760 cfs	6.15	19.15	8.05	7.52	81.3		207	89	323			1.09	0.05	0.95	2.04
2006	4	3	12:51 PM	221 cfs	4.74	18.28	7.59	7.86	82.8		275.7	36	430.8			2.78	0.19	1.03	3.81
2006	2	28	9:45 AM	93 cfs	4.23	10.26	7.38	10.63	95.1		385	14	600			3.42	0.14	1.1	4.52
2006	1	23	10:56 AM	90 cfs	4.21	8.22	7.57	7.55	63.5		284.5	13	444.5			2.65	0.64	2.14	4.79
2005	12	6	8:24 AM			5.72	7.14	12.39	99.1		256	13	400			4.15	<0.05	0.84	4.99
2005	10	24	2:28 PM	109 cfs	4.31	17.14	7.46	6.57	67.5		226	21	355			4.51	<0.05	0.7	5.21
2005	8	23	12:00 PM	1,150 cfs	6.88	28.09	7.34	7.01	76.8		198	73	298.3			1.48	<0.05	0.79	2.27
2005	7	26	1:50 PM	215 cfs	4.73	30.23	7.4	7.42	98.5		200	22	359			2.19	<0.05	0.61	2.8
2005	6	20	4:20 PM	366 cfs	5.24	27.39	7.26	6.02	75.8		188	113	293.5			1.28	0.06	0.5	2.03
2005	5	9	3:38 PM	272 cfs	4.95	20.17	7.53	7.61	84.1		293	27	457.3			1.43	<0.05	0.63	2.06
2005	3	11	3:55 AM	716 cfs	6.05	8.14	7.9	6.37	53.3		211.4	39	330.3	<0.05	0.56		<0.05	0.53	1.115
2005	2	7	4:50 PM	1,700 cfs	4.67	7.57	7.67	19.26	159.3		220	322	350	0.07	0.13		<0.05	1.06	1.26
2004	12	19	12:18 PM	188 cfs		9.5	7.81	7.45	64.3		257.7	18	402.7	<0.05	2.29		0.05	0.64	2.955
2004	11	8	3:00 PM	1,380 cfs		15.74	7.62	8.55	85.8		201.5	54	314.9	<0.05	0.6		0.09	0.56	1.185
2004	10	14	12:38 PM																
2004	10	4	12:39 PM	22 cfs	4.73	20.92	7.45	8.57	95.1		227.3	21	355.2	<0.05	3.02		0.06	0.82	3.865
2004	8	30	3:13 AM	285 cfs		26.53	7.34	5.75	71.4		242.9	27	379.6	<0.05	1.78		0.1	0.68	2.485
2004	7	26	5:45 PM	296 cfs	5.13	24.93	7.28	6.93	80.5		206.7	71	323	<0.05	0.99		0.05	1.03	2.045
2004	6	14	4:30 PM	750 cfs	6.15	28.34	7.96	7.28	96		224	82	349	<0.05	0.72		<0.05	0.62	1.365
2004	5	18	7:37 AM	683 cfs		21	7.42	6.38	71.4		227	45	354.4	<0.05	1.5		0.11	0.95	2.475
2004	4	5	12:24 PM	772 cfs		14	7.26	10.12	96.9		225	45	351	<0.05	0.56		0.07	0.45	1.035

2004	3	1	10:45 AM	240 cfs		9.71	7.62	8.65	74.2		191.8	57	299.6	0.05	2.06		0.1	0.96	3.07
2004	1	27	10:35 AM	1,490 cfs	7.42	4.23	7.53	7.62	58		120	255	187.8	<0.05	0.48		0.11	1.5	2.005
2003	12	3	9:00 AM	105 cfs	4.39	9.52	7.74	6.88	63.2		1,008	30	1,570	0.05	1.77		0.58	1.18	3
2003	11	3	12:36 PM	81 cfs		18.89	7.56	6.48	72.4		314.3	13	490.7	<0.05	3.24		<0.05	1.11	4.375
2003	10	1	4:19 PM	221 cfs		19.51	7.37	7.11	76.8		283.7	28	443.2	<0.05	1.06		0.09	0.87	1.955
2003	10	1	8:26 AM																
2003	9	15	11:02 AM																
2003	8	11	10:57 AM																
2003	7	7	11:03 AM																
2003	7	29	4:00 PM											0.06	1.55		<0.05	0.81	2.42
2003	6	2	9:34 AM																
2003	6	18	1:53 PM			26	7.22	5.94	73.4		262	69	409	<0.05	1.86		0.05	0.93	2.815
2003	4	7	9:27 AM			12.76	7.49	14.66	135.7		181.9	117	284.2	0.14	0.58		0.16	0.84	1.56
2003	3	4	2:51 PM			6.42	7.39	8.5	69.1		357	39	557	0.14	0.59		0.21	0.93	1.65
2003	1	29	8:15 AM		4.42	7	7.29	9.44	78.6		300	12	469	<0.05	3.85		0.05	0.88	4.755
2002	12	10	11:49 AM			8	7.35	10.65	88.3		291	14	454	0.06	2.56		0.05	0.89	3.51
2002	11	4	11:55 AM	143 cfs		11.1	7.31	10.88	89.3		331	14	449	<0.05	0.23		0.19	0.54	0.795
2002	10	1	8:10 AM			24.37	7.52	6	70.5		202.5	31	316.5	0.06	1.84		0.05	0.59	2.49
2002	9	4	9:49 AM			28	7.35	6.07	77.6		209	46	326	0.11	1.74		0.2	0.57	2.42
2002	7	9	8:12 AM	285 cfs	5.04	28	7.24	3.17	42.5		225	25	352	0.08	1.14		0.63	1.64	2.86
2002	6	4	6:26 PM	414 cfs	5.46	28	7.35	5.44	69.8		199	75	310						
2002	5	7	10:04 AM	1,180 cfs	6.93	21.34	7.37	6.4	75.7		113.2	673	176.9	0.07	0.44		0.18	2.27	2.78
2002	4	9	11:14 AM			13	7.45	8.2	77.6		256	159	401	0.015	0.46		0.14	1.48	1.99
2002	3	12	8:15 AM			9.43		7.94	72.6		379	23	592.1	<0.05	3.75		<0.05	1.2	4.975
2002	2	6	11:00 AM			13.63	7.63	7.77	80.6			31		0.06	1.97		0.23	1.1	3.13
2001	11	5	1:30 PM			17	7.31	7.21	77.6		155	136	241	0.09	0.5			1.09	1.68
2001	10	1	9:00 AM			19.53	7.29	6.28	70.3		218.8	43	341.9	<0.05	2.74		0.09	0.58	3.345
2001	8	6	7:39 AM			31	7.62	5.11	68.3		254	32	396	0.08	2.2			0.77	3.05
2001	7	9	9:40 AM			30	7.6	5.91	78.6		221	26	346	0.09	3.02			1.1	4.21
2001	6	4	9:15 AM			18	7.29	9.04	96.1		149	84	233	0.05	0.31		<0.05	0.57	0.93

2001	5	7	8:52 AM			20.63	7.15	4.81	52.6		274	90	428	0.07	1.83		<0.05	0.94	2.84
2001	4	1	4:00 PM			12.01	7.71	9.49	91.4		307.9	14	481.1	0.1	1.63		0.7	1.75	3.48
2001	3	5	9:00 AM			7	7.34	10.03	82		221	49	345	<0.05	0.13		0.12	0.65	0.805
2001	2	5	9:10 AM			6	7.5	10.03	81.6		332	44	519	0.21	2.67		0.19	1.07	3.95
2000	11	29	1:53 PM			10	7.52	7.26	63.2	18	319	15	498	0.07	1.69		0.34	0.8	2.56
2000	10	25	1:17 PM			20	8.1	11.39	124.2	54	172	56	269	0.14	0.69		0.71	1.26	2.09
2000	9	27	8:00 AM			19.82	7.49	5.71	62.3		199	67	311	0.24	<0.05		0.29	0.96	1.225
2000	9	27	8:00 AM																
2000	8	30	12:28 PM			30	7.21	4.59	62.2	32	257	23	401	0.15	1.01		0.61	1.06	2.22
2000	8	30	12:28 PM								180								
2000	6	28	3:20 PM			24.18	7.34	5.64	71.4	804	134	267	205	0.06	0.32		0.12	0.81	1.19
2000	6	28	3:20 PM								136								
2000	5	10	2:35 PM			19	7.1	4.44	50.5	1,210	66	1,000	104	0.34	<0.05		0.26	1.13	1.495
2000	5	10	2:35 PM								64								
2000	3	27	1:14 PM	6,550 cfs	14.7	13.88	7.2	4.58	46.2		110	826	172	0.16	0.15				
2000	2	22	3:09 PM			11.05	7.6	7.29	65.2	15	342	10	535	<0.05	0.8		1.19	1.32	2.145
2000	2	22	3:09 PM								345								
2000	1	19	11:31 AM			9.91	7.4	5.53	50.8	11	356	6.08	557	0.24	1.53		0.94	1.31	3.08
2000	1	19	11:31 AM								316								

Year	Month	Date	Time	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Chlor a mg/m ³	Pheophytin a mg/m ³	Pheriphytin a mg/m ³	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml	ORP mV
2019	4	23	8:27 AM		0.497	38.5	45.4	214	112	13.1	6.15		21-40				
2019	4	23	8:25 AM														
2019	3	11	6:00 PM		0.238	47.3	63.1	181	151	9.24	2.89		0				

2018	10	29	5:22 PM		1	36.9	50.1	141	105	3.08	2.43		0					
2018	9	24	4:55 PM		0.364	23.7	34.2	129	94	5.13	2.65		0					
2018	7	24	5:19 PM		0.395	32.7	24.5	105	83	7.11	3.4		21-40					
2018	4	23	3:52 PM		0.159	30.1	49.4	141	94	7.9	3.16		0					
2018	1	9	5:10 PM		0.245	50.6	53.6	188	100	4.61	<0.5		41-60					
2017	12	11	4:40 PM		0.684	44.4	32	159	117	19.6	4.06		41-60					
2017	11	13	4:35 AM		0.595	47.8	45.2	160	123	8.44	1.8		41-60					
2017	8	28	5:45 PM		0.366	30.8	25.5	125	100	12.8	2.42		1-20					
2017	3	13	6:31 PM		0.594	53.1	51.1	156	133	12	3.99		1-20					
2017	2	13	5:30 PM		0.574	59.8	49.7	171	107	22	4.27		21-40					
2016	12	6	8:32 AM		1.02	54	38.3	148	92	4.89	<0.5		1-20					
2016	10	25	10:17 AM		0.965	49.5	41.2	155	92	14.3	2.16		0					
2016	9	20	6:00 PM		0.578	46.6	40.5	108	118	10.6	1.94		21-40					
2016	8	22	5:59 PM		0.595	42	32.4	120	114	14.3			1-20					
2015	11	9	4:35 PM		0.72	34.6	40	141	102	6.66	2.76		21-40					
2015	11	9																
2015	10	12	4:49 PM		0.284	38.1	23.5	294	84	5.62	1.93		21-40					
2015	10	12	4:47 PM															
2015	9	22	9:20 AM		0.314	39.5	32.3	114	94	5.02	1.66		41-60	228.20	410.60			
2015	9	22	9:18 AM															
2015	8	17	5:55 PM											14.20	32.70			
2015	7	27	6:33 PM		0.266	23.2	33.4	106	94	7.47	2.48		21-40					
2015	7	27	6:31 PM															
2015	6	9	5:20 PM											26.60	46.50			
2015	5	13	1:29 PM		0.311	28	50.6	149	125	4.66	2.2		21-40					
2015	5	13	1:27 PM															
2015	4	13	5:54 PM		0.334	45.9	60.9	168	119	32.8	26.2		0					
2015	4	13	5:52 PM															
2015	3	9	4:06 PM		0.51	148	69.9	192	128	11	3.38		61-80					
2015	3	9	4:04 PM															

2015	1	12	4:28 PM		0.555	58.2	46.6	183	114	5.34	8.36		21-40					
2015	1	12	4:26 PM															
2014	12	8	12:08 PM		0.462	44.6	33.6	138	112	6.41	2.11		41-60					
2014	12	8	12:06 PM															
2014	10	27	1:32 PM		0.34	44.3	36.3	141	115	6.71	6.65		41-60					
2014	10	27	1:30 PM															
2014	9	15	12:33 PM		0.525	49.5	26.2			3.29	8.41							
2014	8	11	10:04 AM		0.251	37.8	33			8.85	7.14							
2014	6	23	1:26 PM		0.475	51.2	53.2	129	113	8.21	13.3		0					
2014	6	23	1:24 PM															
2014	6	9	12:34 PM		0.177	36.3	39.7	134	99	5.2	6.16		0					
2014	6	9	12:32 PM															
2014	4	21	1:03 PM		0.526	50.4	32.7	130	107	12	5.43		41-60					
2014	4	21	1:00 PM															
2014	3	10	12:25 PM		0.186	73.9	44.2			8.08	2.91							
2014	1	13	12:09 PM	0.77	0.291	80.7	43.5	180	137	4.8	0.94		21-40					
2014	1	13	12:07 PM															
2013	11	18	11:50 AM	0.47	0.135	38	37.9	138	116	3.52	1.9		61-80					
2013	11	18	11:48 AM															
2013	9	16	1:31 PM		0.483	37.8	23.8			7.35	2.24							
2013	8	5	11:50 AM											66.31	82.96			
2013	7	29	1:30 PM		0.128	13.8	22.6			4.53	0.76							
2013	7	15	3:25 PM											260.25	488.44			
2013	6	24	12:43 PM	0.88	0.267	3.09	35.6	150	112	13.5	3.77		41-60					
2013	6	24	12:41 PM															
2013	5	20	1:35 PM	1.44	0.435	44.3	41.5	149	94	6.98	3.29		61-80	78.00	145.50			
2013	5	20	1:32 PM															
2013	5	13	12:35 PM											42.70	26.70			
2013	4	1	3:00 PM	1.21	0.356	39	37.1	171	94	7	6.41		81-100					
2013	4	1	3:00 PM															

2013	2	11	2:00 PM	0.94	0.302	45.5	53.7	182	113	5.25	2.06		61-80						
2013	2	11	2:00 PM																
2013	1	7	2:15 PM		0.469	55.7	34.3			3.22	1.82								
2012	9	17	9:44 AM	1.35	0.418			125	81	4.38	2.23		81-100						
2012	7	16	9:39 AM	1.99	0.765			155	78	8.2	3.42		61-80						
2012	4	30	11:15 AM	1	0.363			125	98	15.7	20.5		0						
2012	3	26	9:58 AM	0.36	0.146			174	111	1.81	3.71		0						
2012	1	23	9:41 AM	2.13	0.654			166	97	5.63	2.19		81-100						
2011	10	31	10:01 AM	1.58	0.487			119	79	5.27	1.83		21-40						
2011	10	3	10:35 AM	1.44	0.455			116	70	3.27	1.92		41-60						
2011	8	19	1:09 PM	0.93				188	87				81-100						
2011	7	18	12:01 PM	1.46	0.465			120	83	6.11	1.61		41-60						
2011	5	10	9:17 AM	0.98	0.34			158	103				41-60						
2010	11	8	10:00 AM	2.15	0.83			131	87	3.72	0.76		41-60						
2010	9	20	9:35 AM	0.65	0.247			94	71	2.89	0.19		41-60						
2010	8	30	12:05 PM	0.92	0.392			135	130	5.76	2.54		21-40						
2010	5	3	8:52 AM	0.86	0.311	51.2	45.8	181	131	8.29	2.3		61-80						
2010	5	3	8:52 AM																
2010	3	15	9:21 AM	0.11	0.071	31.2	29.5	126	76	6.25	0.84		21-40						
2010	3	15	9:21 AM																
2010	2	15	9:35 AM	0.06	0.05	28.9	25.6	154	82	4.58	<0.1		0						
2010	2	15	9:30 AM																
2009	10	19	9:45 AM	1.19	0.385	34.3	43.5	174	120				0						
2009	10	19	9:30 AM																
2009	8	17	10:45 AM	1.77	0.63	40.7	23.3	107	79	5.18	1.98		41-60						
2009	8	17	10:30 AM																
2009	6	22	10:02 AM	1.63	0.499	44.4	35.6	132	100	8.16	3.02		41-60						
2009	6	22	10:02 AM																
2009	4	20	10:00 AM	0.2	0.221	17.1	22.5	94	69				0						
2009	4	20	10:00 AM																

2009	3	23	9:41 AM	1.81		62.5	252	170	118	21.5	6.89		61-80					
2009	3	23	9:41 AM															
2009	3	2	9:24 AM	1.11	0.586	45.1	44.2	178	107	13.3	2.24		41-60					
2009	3	2	9:24 AM															
2009	1	5	10:30 AM	0.89	0.391	48.1	37.6	164	91	5.04	0.91		41-60					
2009	1	5	10:30 AM															
2008	11	10	9:13 AM	1.61	0.55	28	28.5	121	99	6.94	7.15		21-40					
2008	11	10	9:13 AM															
2008	9	2	9:25 AM		0.382	38.2	27	133	134	7.8	1.47		41-60					
2008	9	2	9:25 AM															
2008	7	7	9:57 AM			21		74										
2008	5	27	2:50 PM	0.21	0.396	12.6	55.7	62	33	5.88	0.29		0					
2008	5	27	2:46 PM															
2008	4	28	4:01 PM	0.04	0.104	26.3	22.6	90	82				0					
2008	4	28	4:01 PM															
2008	3	16	2:14 PM	0.32	0.198	43	50.8	159	123				21-40					
2008	3	16	2:14 PM															
2008	2	20	9:20 AM	0.25	0.163	32	63.5	150	99	3.04	4.64		0					
2007	12	18	2:00 PM	0.5	0.22	32.6	42.2			2.6	1.14		0					
2007	11	6	8:55 AM	1.1	0.491	61.1	82.8	198	160	4.25	2.05		41-60					
2007	11	6	8:55 AM															
2007	10	1	5:40 PM							8.29	1.78							
2007	10	1	3:46 PM	0.59	0.25	35.3	38.8	122	104				41-60					
2007	8	14	3:14 PM	0.07	0.117			90	89	3.71	3.38		41-60					
2007	7	17	4:39 PM	0.65	0.37			137	121	7.35	2.63		21-40					
2007	6	19	10:19 AM	0.044	0.151	31.1	25	124	115	3.64	2.76		21-40					
2007	5	7	4:46 PM	0.285	0.47	<10	48	71	64	86.4	<0.1		0					
2007	4	10	3:57 PM	0.422	0.449	28.7	43.6	152	123	15.1	<0.1		0					
2007	3	13	11:05 AM	0.372	0.436	52.2	56.5	164	112	8.85	3.22		0					
2007	1	29	2:20 PM	0.037	0.089	35.2	64.2	114	94				41-60					

2006	12	6	1:20 PM	0.292	0.415	197	41.9	174	109				0				
2006	11	8	12:15 PM	0.728	0.795	51.5	38.5	122	99				0				530
2006	10	2	3:45 PM	0.561	0.544	44.2	27.1	111	81				0				452
2006	10	2	12:40 PM											63	30	60	
2006	9	18	1:42 PM											425	1,118	1,700	
2006	9	5	11:32 AM											1,039	457	6,800	
2006	8	22	12:45 PM	0.229	0.357	27.9	28.8	92	76				0	1,565	776	1,200	422
2006	8	21	2:22 PM											987	1,576	43,200	
2006	8	7	1:54 PM											74	20	220	
2006	7	24	4:38 PM											52	31	40	
2006	7	17	10:53 AM	0.36	0.45	37.7	30.4	105	91				0				445
2006	7	5	2:39 PM											20	20	90	
2006	6	26	12:47 PM											169	30	600	
2006	6	12	2:12 PM											703	472	970	
2006	6	12	11:11 AM	0.339	0.435	43.1	32.3	93	86				21-40				480
2006	5	23	9:30 AM											63	31	30	
2006	5	9	10:30 AM	0.174	0.276	29.4	39.2	107	87	3.69	1.67		0				227
2006	4	3	12:51 PM	0.435	0.6	55.1	37.3	126	96	15	3.6		0				414
2006	2	28	9:45 AM	0.669	0.72	97.7	37.7	133	97	6.6	1.6		21-40				450
2006	1	23	10:56 AM	0.77	0.8	53.5	28.6	133	98	11	3		41-60				389
2005	12	6	8:24 AM	0.755	0.84	53.1	34.7	142	29	2.4	1.8		0				438
2005	10	24	2:28 PM	0.616	0.735	47	30.9	125	84	4.3	2.1		0				447
2005	8	23	12:00 PM	0.251	0.334	32.5	28	58	105	5	3		0				463
2005	7	26	1:50 PM	0.436	0.5	39.4	24.6	80	103	5.5	9.6		0				321
2005	6	20	4:20 PM	0.19	0.329	19	37.1	174	125	2	6.1		0				451
2005	5	9	3:38 PM	0.222	0.305	46.9	40.5	150	104				21-40				454
2005	3	11	3:55 AM	0.053	0.084	32	25.8	161	98	5.91	1.16		21-40				393
2005	2	7	4:50 PM	0.18	0.264	39.3	71.1	164	103	16.6	3.89		0				528
2004	12	19	12:18 PM	0.38	0.475	30	43.9	162	140	3.8	1		21-40				378
2004	11	8	3:00 PM	0.107	0.143	28	24.2	98	70	1.7	1.1		0				296

2004	10	14	12:38 PM							3	1.56						
2004	10	4	12:39 PM	0.413	0.463	42.5	21.6	92	87				41-60				404
2004	8	30	3:13 AM	0.251	0.31	41.3	27.2	108	75				0				414
2004	7	26	5:45 PM	0.219	0.279	24.8	39	126	85	3.9	2.2		21-40				412
2004	6	14	4:30 PM	0.074	0.154	34.2	34.2	98	83	7.5	0.8		0				459
2004	5	18	7:37 AM	0.204	0.318	23.9	37.5	124	98				0				330
2004	4	5	12:24 PM	0.08	0.111	32.2	35.2	117	94				0				338
2004	3	1	10:45 AM	0.182	0.293	42	67.9	157	123				0				441
2004	1	27	10:35 AM	0.176	0.247	17.1	94.8	93	90				0				538
2003	12	3	9:00 AM	0.174	0.212	219	293	294	113				21-40				511
2003	11	3	12:36 PM	0.358	0.428	48.9	42.5	160	94				21-40				356
2003	10	1	4:19 PM	0.103	0.168	40.2	42.5	115	84				0				392
2003	10	1	8:26 AM											20	110	40	
2003	9	15	11:02 AM											209	700	500	
2003	8	11	10:57 AM											408	700	5,700	
2003	7	7	11:03 AM											52	100	300	
2003	7	29	4:00 PM	0.299	0.316	48.6	21.3							85	<10	90	
2003	6	2	9:34 AM											17,329	73,000	23,000	
2003	6	18	1:53 PM	0.338	0.446	44	34	118	92				21-40	41	50	300	447
2003	4	7	9:27 AM	0.246	0.334	21.8	32.2	109	103				0				363
2003	3	4	2:51 PM	0.159	0.234	92.3	37.7	162	90				41-60				480
2003	1	29	8:15 AM	0.577	0.67	60.5	41.5	131	80				21-40				484
2002	12	10	11:49 AM	0.53	0.54	55	54.6	168	84				41-60				478
2002	11	4	11:55 AM	0.036	0.55	27.3	45.6	155	79				0				501
2002	10	1	8:10 AM	0.387	0.434	40.8	20.3	110	72					41	330	70	333
2002	9	4	9:49 AM	0.213	0.295	40.9	19.6	108	80				41-60	20	40	70	399
2002	7	9	8:12 AM	0.26	0.318	35.5	36.9	116	64				41-60	84	1,200	1,800	450
2002	6	4	6:26 PM					98	85				41-60	109	200	120	490
2002	5	7	10:04 AM	0.1	0.413	15.4	91.9	128	127					1,510	38,000	3,700	281
2002	4	9	11:14 AM	0.081	0.212	43.7	46	128	86				61-80				403

2002	3	12	8:15 AM	0.519	0.55	75.7	50.3	189	108				21-40				391
2002	2	6	11:00 AM	0.307	0.343	39.8	60.6	288	144				0				389
2001	11	5	1:30 PM	0.135	0.268	30.6	27.1	90	40						2,000		354
2001	10	1	9:00 AM	0.47		37.2	19.6	117	96						130		546
2001	8	6	7:39 AM	0.518	0.572	41.9	28.8	98	81					10	20	10	368
2001	7	9	9:40 AM	0.809	0.833	48.5	41.8	126	82					31	<10	80	333
2001	6	4	9:15 AM	0.065	0.152	23.2	18.6	81	55					74	800	100	310
2001	5	7	8:52 AM	0.374	0.48	<5	39.1	185	95								393
2001	4	1	4:00 PM	0.359	0.411	42	51.8	150	104								254
2001	3	5	9:00 AM	0.135	0.214	22.5	35.5	120	76								430
2001	2	5	9:10 AM	0.279	0.37	51.5	59.6	192	119								373
2000	11	29	1:53 PM	0.238	0.365	52.9	49.8	226	121								405
2000	10	25	1:17 PM	0.162	0.41	30.9	42	128	94								448
2000	9	27	8:00 AM	0.171	0.483	39.2	25.5	101	90								236
2000	9	27	8:00 AM					113									
2000	8	30	12:28 PM	0.152	0.249	33.8	24.9	105	103								419
2000	8	30	12:28 PM														
2000	6	28	3:20 PM	0.071	0.327	15.8	20.3	75	90								576
2000	6	28	3:20 PM														
2000	5	10	2:35 PM	<0.005	0.74	13	104	61.5	62								576
2000	5	10	2:35 PM														
2000	3	27	1:14 PM		0.07	16.4	75		57								422
2000	2	22	3:09 PM	0.097	0.566	71.5	43.4	206	130								407
2000	2	22	3:09 PM														
2000	1	19	11:31 AM	0.763	0.763	60.7	59.1	174	141								456
2000	1	19	11:31 AM														

Year	Month	Date	Time	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
								Severity	Size	
2019	4	23	8:27 AM	None	Mod.	None	Mild	None	Small	Acc
2019	4	23	8:25 AM							Acc
2019	3	11	6:00 PM	None	Mod.	None	Mild	None	Small	Acc
2018	10	29	5:22 PM	None	None	None	Mild	None	Small	Acc
2018	9	24	4:55 PM	None	Mod.	None	None	Mild	Small	Acc
2018	7	24	5:19 PM	None	None	None	Mild	Mild	Small	Acc
2018	4	23	3:52 PM	None	None	1	None	None	3	Acc
2018	1	9	5:10 PM	None	None	1	None	None	3	Acc
2017	12	11	4:40 PM	None	None	1	None	None	3	Acc
2017	11	13	4:35 AM	None	None	1	Mild	Mild	3	Acc
2017	8	28	5:45 PM	None	None	1	None	None	3	Acc
2017	3	13	6:31 PM	None	None	1	Mild	None	3	Acc
2017	2	13	5:30 PM	None	None	1	Mild	None	1	Acc
2016	12	6	8:32 AM	None	None	1	None	None	3	Acc
2016	10	25	10:17 AM	None	None	1	None	None	3	Acc
2016	9	20	6:00 PM	None	Mod.	1	Mild	None	3	Acc
2016	8	22	5:59 PM	None	None	1	None	None	3	Acc
2015	11	9	4:35 PM	None	None	None	None	None	Small	Pre
2015	11	9								Pre
2015	10	12	4:49 PM	None	None	None	None	Mod.	Small	Pre
2015	10	12	4:47 PM							Pre
2015	9	22	9:20 AM	None	Mild	None	Mild	None	Small	Pre
2015	9	22	9:18 AM							Pre
2015	8	17	5:55 PM							Pre
2015	7	27	6:33 PM	None	None	None	Mild	Mild	Small	Pre
2015	7	27	6:31 PM							Pre
2015	6	9	5:20 PM							Pre

2015	5	13	1:29 PM	None	None	Mod.	None	None	Small	Pre
2015	5	13	1:27 PM							Pre
2015	4	13	5:54 PM	None	None	None	Mild	Mod.	Small	Pre
2015	4	13	5:52 PM							Pre
2015	3	9	4:06 PM	None	None	None	None	None	Small	Pre
2015	3	9	4:04 PM							Pre
2015	1	12	4:28 PM	None	None	None	Mild	None	Small	Pre
2015	1	12	4:26 PM							Pre
2014	12	8	12:08 PM	None	None	None	Mod	Mild	Small	Pre
2014	12	8	12:06 PM							Pre
2014	10	27	1:32 PM	None	Mild	None	Mild	None	Small	Pre
2014	10	27	1:30 PM							Pre
2014	9	15	12:33 PM							Pre
2014	8	11	10:04 AM							Pre
2014	6	23	1:26 PM	Mild	None	None	None	Mild	Small	Pre
2014	6	23	1:24 PM							Pre
2014	6	9	12:34 PM	None	None	None	None	None	Small	Pre
2014	6	9	12:32 PM							Pre
2014	4	21	1:03 PM	None	None	None	Mild	None	Small	Pre
2014	4	21	1:00 PM							Pre
2014	3	10	12:25 PM							Pre
2014	1	13	12:09 PM	None	None	None	None	None	Small	Pre
2014	1	13	12:07 PM							Pre
2013	11	18	11:50 AM	None	Mild	None	None	None	Small	Pre
2013	11	18	11:48 AM							Pre
2013	9	16	1:31 PM							Pre
2013	8	5	11:50 AM							Pre
2013	7	29	1:30 PM							Pre
2013	7	15	3:25 PM							Pre
2013	6	24	12:43 PM	None	Mild	None	None	None	Small	Pre

2013	6	24	12:41 PM							Pre
2013	5	20	1:35 PM	None	Mod.	None	Mild	None	Small	Pre
2013	5	20	1:32 PM							Pre
2013	5	13	12:35 PM							Pre
2013	4	1	3:00 PM	None	Mod.	None	Mild	Mild	Small	Pre
2013	4	1	3:00 PM							Pre
2013	2	11	2:00 PM	None	Mild	None	Mild	None	Small	Pre
2013	2	11	2:00 PM							Pre
2013	1	7	2:15 PM							Pre
2012	9	17	9:44 AM	None	Mild	Mild	None	None		Pre
2012	7	16	9:39 AM	None	Mod.	None	None	None		Pre
2012	4	30	11:15 AM	None	None	None	None	None		Pre
2012	3	26	9:58 AM	None	None	None	None	None	Small	Pre
2012	1	23	9:41 AM	None	None	None	None	None		Pre
2011	10	31	10:01 AM	None	None	None	Mod.	None	Small	Pre
2011	10	3	10:35 AM	None	Mod.	None	Mild	None	Small	Pre
2011	8	19	1:09 PM	None	Serious	Extreme	Extreme	None	Small	Pre
2011	7	18	12:01 PM	None	Mod.	None	Mod.	None		Pre
2011	5	10	9:17 AM	None	Mild	None	None	None	Small	Pre
2010	11	8	10:00 AM	None	None	None	None	None	Small	Pre
2010	9	20	9:35 AM	None	Mod.	None	None	None		Pre
2010	8	30	12:05 PM	None	Mod.	None	None	None		Pre
2010	5	3	8:52 AM	None	Mod.	None	Mild	None	Small	Pre
2010	5	3	8:52 AM							Pre
2010	3	15	9:21 AM	None	None	None	None	None	Small	Pre
2010	3	15	9:21 AM							Pre
2010	2	15	9:35 AM	None	None	None	None	None	Small	Pre
2010	2	15	9:30 AM							Pre
2009	10	19	9:45 AM	None	None	Mild	Mild	Mild	Small	Pre
2009	10	19	9:30 AM							Pre

2009	8	17	10:45 AM	None	Mild	None	None	None	Small	Pre
2009	8	17	10:30 AM							Pre
2009	6	22	10:02 AM	None	None	None	None	Mild	Small	Pre
2009	6	22	10:02 AM							Pre
2009	4	20	10:00 AM	None	Mild	None	None	Mild	Small	Pre
2009	4	20	10:00 AM							Pre
2009	3	23	9:41 AM	None	Mod.	None	Mild	None	Large	Pre
2009	3	23	9:41 AM							Pre
2009	3	2	9:24 AM	None	None	None	None	Mild	Large	Pre
2009	3	2	9:24 AM							Pre
2009	1	5	10:30 AM	Mild	None	Mild	Mild	None	Small	Pre
2009	1	5	10:30 AM							Pre
2008	11	10	9:13 AM	None	None	None	None	Mild	Small	Pre
2008	11	10	9:13 AM							Pre
2008	9	2	9:25 AM	None	None	None	None	Mild	Small	Pre
2008	9	2	9:25 AM							Pre
2008	7	7	9:57 AM				None	None	Small	Pre
2008	5	27	2:50 PM	None	None	None	None	Mod.	4	Pre
2008	5	27	2:46 PM							Pre
2008	4	28	4:01 PM	None	None	None	None	None	Small	Pre
2008	4	28	4:01 PM							Pre
2008	3	16	2:14 PM	None	None	None	None	None	Small	Pre
2008	3	16	2:14 PM							Pre
2008	2	20	9:20 AM	None	None	None	None	None	Small	Pre
2007	12	18	2:00 PM	None	None	None	None	None	Small	Pre
2007	11	6	8:55 AM	None	None	None	Mild	Mild	Small	Pre
2007	11	6	8:55 AM							Pre
2007	10	1	5:40 PM							Pre
2007	10	1	3:46 PM	None	None	None	None	None	Small	Pre
2007	8	14	3:14 PM	None	None	None	None	None	Small	Pre

2007	7	17	4:39 PM	None	None	None	Mild	None	Small	Pre
2007	6	19	10:19 AM	None	None	None	Mild	Mod.	4	Pre
2007	5	7	4:46 PM	None	None	None	None	Extreme	4	Pre
2007	4	10	3:57 PM	None	None	None	None	None	Small	Pre
2007	3	13	11:05 AM	None	None	None	None	None	Small	Pre
2007	1	29	2:20 PM	None	Mild	None	None	Mild	Small	Pre
2006	12	6	1:20 PM	None	None	None	Mild	Mild	Small	Pre
2006	11	8	12:15 PM	None	None	None	None	None		Pre
2006	10	2	3:45 PM	Mild	Serious	Mod.	Mod.	Mild	Small	Pre
2006	10	2	12:40 PM							Pre
2006	9	18	1:42 PM							Pre
2006	9	5	11:32 AM							Pre
2006	8	22	12:45 PM	Mild	Mod.	Serious	Mod.	Mild	Small	Pre
2006	8	21	2:22 PM							Pre
2006	8	7	1:54 PM							Pre
2006	7	24	4:38 PM							Pre
2006	7	17	10:53 AM	None	None	None	Mild	None		Pre
2006	7	5	2:39 PM							Pre
2006	6	26	12:47 PM							Pre
2006	6	12	2:12 PM							Pre
2006	6	12	11:11 AM	None	Serious	None	Mild	None		Pre
2006	5	23	9:30 AM							Pre
2006	5	9	10:30 AM	Mild	Mild	Mild	Mild	Mild	Small	Pre
2006	4	3	12:51 PM	None	None	None	Mild	None		Pre
2006	2	28	9:45 AM	Mild	Mod.	Mod.	Mod.	None	Small	Pre
2006	1	23	10:56 AM	None	None	None	None	None		Pre
2005	12	6	8:24 AM	Mild	Mod.	Mod.	Mod.	Mild	Small	Pre
2005	10	24	2:28 PM	None	None	None	Mild	None		Pre
2005	8	23	12:00 PM	Mild	Mod.	Mild	Mild	None	Small	Pre
2005	7	26	1:50 PM	None	None	None	None	None		Pre

2005	6	20	4:20 PM	Mild	Mod.	Mod.	Mild	None		Pre
2005	5	9	3:38 PM	Mild	Mild	Mild	Mild	Mild	Small	Pre
2005	3	11	3:55 AM	Mild	Mild	Mild	Mild	Mild	Small	Pre
2005	2	7	4:50 PM	None	None	None	Mild	Mild	Medium	Pre
2004	12	19	12:18 PM	None	None	None	Mild	None	Small	Pre
2004	11	8	3:00 PM	None	None	None	None	None		Pre
2004	10	14	12:38 PM							Pre
2004	10	4	12:39 PM	N	Mild	Mild	None	None	Small	Pre
2004	8	30	3:13 AM	N	None	None	Mild	None		Pre
2004	7	26	5:45 PM	Mild	Mild	None	None	None		Pre
2004	6	14	4:30 PM	None	None	None	None	None	Small	Pre
2004	5	18	7:37 AM	Mild	Mild	Serious	Mod.	Mild	Small	Pre
2004	4	5	12:24 PM	Mild	Mild	Mild	Mild	Mild	Small	Pre
2004	3	1	10:45 AM	None	None	None	None	None	Small	Pre
2004	1	27	10:35 AM	None	None	None	Mild	Mild	Small	Pre
2003	12	3	9:00 AM	None	None	None	Mild	None	Small	Pre
2003	11	3	12:36 PM	None	None	None	None	None	Small	Pre
2003	10	1	4:19 PM	None	None	None	None	None		Pre
2003	10	1	8:26 AM							Pre
2003	9	15	11:02 AM							Pre
2003	8	11	10:57 AM							Pre
2003	7	7	11:03 AM							Pre
2003	7	29	4:00 PM							Pre
2003	6	2	9:34 AM							Pre
2003	6	18	1:53 PM	Mod.	Mild	Mod.	Mod.	Mild	Small	Pre
2003	4	7	9:27 AM	None	None	None	Mod.	Mild	Small	Pre
2003	3	4	2:51 PM	Mod.	Mild	Mod.	Mild	None	Small	Pre
2003	1	29	8:15 AM	None	None	None	Mild	Mild	Small	Pre
2002	12	10	11:49 AM	Serious	Serious	Serious	Serious	Serious	Small	Pre

2002	11	4	11:55 AM	None	None	None	Mild	Mild	Small	Pre
2002	10	1	8:10 AM	None	Mild	None	Mild	Mild	Small	Pre
2002	9	4	9:49 AM	Serious	Serious	Serious	Serious	Mod.	Small	Pre
2002	7	9	8:12 AM	Mod.	Mod.	Serious	Serious	Mod.	Small	Pre
2002	6	4	6:26 PM	Mod.	Mod.	Serious	Serious	Serious	Small	Pre
2002	5	7	10:04 AM							Pre
2002	4	9	11:14 AM	Serious	Mod.	Serious	Serious	Mod.	Small	Pre
2002	3	12	8:15 AM	None	None	Mild	Mild	None		Pre
2002	2	6	11:00 AM	None	None	Mild	None	Mod.	Small	Pre
2001	11	5	1:30 PM							Pre
2001	10	1	9:00 AM							Pre
2001	8	6	7:39 AM							Pre
2001	7	9	9:40 AM							Pre
2001	6	4	9:15 AM							Pre
2001	5	7	8:52 AM							Pre
2001	4	1	4:00 PM							Pre
2001	3	5	9:00 AM							Pre
2001	2	5	9:10 AM							Pre
2000	11	29	1:53 PM							Pre
2000	10	25	1:17 PM							Pre
2000	9	27	8:00 AM							Pre
2000	9	27	8:00 AM							Pre
2000	8	30	12:28 PM							Pre
2000	8	30	12:28 PM							Pre
2000	6	28	3:20 PM							Pre
2000	6	28	3:20 PM							Pre
2000	5	10	2:35 PM							Pre
2000	5	10	2:35 PM							Pre
2000	3	27	1:14 PM							Pre
2000	2	22	3:09 PM							Pre

2000	2	22	3:09 PM														Pre
2000	1	19	11:31 AM														Pre
2000	1	19	11:31 AM														Pre

IR WBID OK121300010010_00				OWRB WBID 121300010010_001AT				Bird Creek									
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa									
Sampling Location: Latitude 36.22311412 Longitude -95.81921244 (BIR-1) (SH 266, Port of Catoosa)																	
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Hg µg/l	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data	
2019	4	23	8:30 AM	<1	1.45		<1	<1	1.31	<0.05	3.83	<1	<1		<5	Acc	
2019	4	23	8:28 AM	<1	1.64		<1		1.8	<0.05	5.38	1.15	1.5	<1	9.43	Acc	
2019	3	11	5:50 PM	<1	<1		<1	1.49	1.23	<0.05	2.33	<1	<1	<1	<5	Acc	
2019	3	11	5:48 AM	<1	<1		<1		2.55	<0.05	3.63	2.35	<1		12.4	Acc	
2018	7	24	7:45 AM	<1	1.05		<1	1.07	1.45	<0.05	2.54	<1	<1	<1	16.2	Acc	
2018	7	24	7:43 AM	<1	1.43		<1		1.77	<0.05	4.1	1.04	<1		8.67	Acc	
2018	1	9	5:05 PM	<1	<1		<1	<1	<1	<0.05	4.5	<1	<1	<1	7.38	Acc	
2018	1	9	5:03 AM	<1	1		<1		1.06	<0.05	5.95	<1	<1		7.65	Acc	
2017	3	13	6:34 PM	<1	<1		<1	1.1	1.13	<0.05	4.28	<1	<1	<1	8.15	Acc	
2017	3	13	6:32 AM	<1	1.56		<1		2.34	<0.05	8.15	1.25	1.72		17.3	Acc	
2017	2	13	5:20 PM	<1	<1		<1	1.25	1.5	<0.05	6.3	<1	1.06	<1	17.1	Acc	
2017	2	13	5:18 PM	<1	1.64		<1		2.47	<0.05	9.24	1.24	2.43		21.3	Acc	
2016	12	6	8:35 AM	<1	1.22		<1	<1	1.04	<0.05	5.46	<1	1.38	<1	10.2	Acc	
2016	12	6	8:33 AM	<1	1.71		<1		1.84	<0.05	8.21	<1	2.79		13.9	Acc	
2016	10	25	11:19 AM	<1	1.64		<1	1.66	1.73	<0.05	7.76	<1	<1	<1	9.24	Acc	
2016	10	25	10:18 AM	<1	2.32		<1		2.76	<0.05	10	1.64	1.97		15.8	Acc	
2013	9	16	1:31 PM				<1					<1				Pre	
2013	9	16	1:31 PM									<1				Pre	

2013	7	29	1:30 PM				<1					1.7			Pre
2013	7	29	1:30 PM									4.3			Pre
2013	5	20	1:32 PM				<0.18					<0.12			Pre
2013	5	20										0.51			Pre
2013	4	1	3:00 PM									0.98			Pre
2013	4	1	3:00 PM				<0.18					<0.12			Pre
2013	2	11	2:00 PM									0.52			Pre
2013	2	11	2:00 PM				<0.18					<0.12			Pre
2012	9	17	9:43 AM									0.89			Pre
2012	3	26	9:57 AM									2.01			Pre
2012	1	23	9:40 AM									0.57			Pre
2011	10	31	10:00 AM									1.11			Pre
2011	10	3	10:30 AM									1.13			Pre
2010	11	8	9:55 AM									0.67			Pre
2010	9	20	9:35 AM									2.36			Pre
2010	5	3	8:52 AM									1.43			Pre
2010	3	15	9:21 AM									2.57			Pre
2010	2	15	9:30 AM								10.1				Pre
2010	2	15	9:30 AM								<1			<1	Pre
2009	10	19	9:45 AM								1.44			3.58	Pre
2009	10	19	9:45 AM								<1			<1	Pre
2009	8	17	10:35 AM								1.28			2.04	Pre
2009	8	17	10:35 AM								1.84			0.37	Pre
2009	8	17	10:30 AM								1.28			2.04	Pre
2009	8	17	10:30 AM								1.84			0.37	Pre
2009	6	22	10:02 AM								1.24			2	Pre
2009	6	22	10:02 AM								1.4			1.4	Pre
2009	3	23	9:41 AM								4.5			3.13	Pre
2009	3	23	9:41 AM								1.3			0.68	Pre
2009	3	2	9:24 AM								2.5			1.1	Pre

2009	3	2	9:24 AM					1.2				<1				Pre
2009	1	5	10:30 AM					1.8				7.8				Pre
2009	1	5	10:30 AM					1.4				<1				Pre
2008	11	10	9:13 AM					2.7				2.8				Pre
2008	11	10	9:13 AM					1.9				1.3				Pre
2008	9	2	9:25 AM					1.1				1.7				Pre
2008	9	2	9:25 AM					<1				<1				Pre
2008	7	7	9:57 AM					3.5				10.1				Pre
2008	7	7	9:57 AM					<1				0.15				Pre
2008	5	27	2:46 PM					9				19.1				Pre
2008	5	27	2:46 AM					1.7				2				Pre
2008	4	28	4:01 PM					3.6				8				Pre
2008	4	28	4:01 AM					1.3				0.27				Pre
2008	3	16	2:14 PM					8.2				3.3				Pre
2008	3	16	2:14 PM					<5				<0.12				Pre
2008	2	20	9:15 AM					20.3				6.4				Pre
2008	2	20	9:15 AM					3.2				4.9				Pre
2007	12	18	2:00 PM					6.9				1.8				Pre
2007	12	18	2:00 PM					<5				0.61				Pre
2007	11	6	8:55 AM					<5				<5				Pre
2007	11	6	8:55 AM					<5				<5				Pre
2007	10	1	3:46 PM					<5				1.6				Pre
2007	10	1	3:46 PM					<5				12.8				Pre
2007	8	14	3:14 PM					<5				2.68				Pre
2007	8	14	3:14 PM					<5				<0.12				Pre
2007	7	17	4:39 PM					<5				<5				Pre
2007	7	17	4:39 PM					<5				<5				Pre
2007	6	19	10:09 AM					<5				5.7				Pre
2007	6	19	10:09 AM					<5				0.35				Pre
2007	5	7	4:46 PM					20				16.7				Pre

2007	5	7	4:46 PM					<5				1.1				Pre
2007	4	10	3:57 AM	<2	<10	73.1	<1	<5	6.2	<0.05	<5	<5	<5	<10	17.2	Pre
2007	4	10	3:57 PM					<5				0.32				Pre
2007	3	13	11:05 AM	<2	<10	73.9	<1	<5	<5	<0.05	6.6	<5	<5	<10	14.3	Pre
2007	3	13	11:05 AM					1.25				0.3				Pre
2004	10	4	12:39 PM	<0.04	<10		<0.18	<5	2.03	<0.05	<5	2.98	<5	5	14	Pre
2003	4	7	9:27 AM	0.09	<10		<0.18	6	5.67	<0.1	8	4.35	<5	<5	18	Pre
2003	4	7	9:27 AM	<2			<1		<5			<5				Pre
2003	1	29	8:15 AM		<10			<5		<0.1	<5		<5	<5	<5	Pre
2002	6	4	6:26 PM	<1	<10		<1	<5	<5	<0.1	6	<5	<5	<5	16	Pre
2002	4	9	11:24 AM	<0.04	<10		<0.18	7	5.09	<0.5	8	4.59	<5	<5	21	Pre
2002	4	9	11:14 AM	<2			<1		6			<5				Pre
2001	11	5	1:30 PM	0.06			<0.16		6.8			4.84				Pre
2001	10	1	9:00 AM	<0.05			<0.16	<5	1.9			0.49			13	Pre
2001	8	6	7:39 AM	<0.05			<0.16	<5	2.8			1.59			22	Pre
2001	6	4	9:15 AM	<0.05			<0.16	5	3.9			3.22			23	Pre
2001	5	7	8:52 AM	0.11	<10		<0.16	<5	4.78	<0.5	<10	3.45	<10	<10	31	Pre
2001	5	7	8:52 AM	<5			<5		<5			<10				Pre
2001	4	1	4:00 PM	<5	<10		<5	<5	<5	<0.5	<10	<10	<10	<10	12	Pre
2000	10	25	1:17 PM	<5	<10		<5	<6	<5	<0.5	<10	<10	<10	<10	39	Pre
2000	6	28	3:20 PM	<10	<10		<5	11	<10	<0.5	<25	10	<5	<6	47	Pre
2000	5	10	2:35 PM	<10	<10		<5	30	17	<0.5	28	26	<5	<3	80	Pre

IR WBID OK121300010010_00				OWRB WBID 121300010010_001AT				Bird Creek						
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa						
Sampling Location: Latitude 36.22311412 Longitude -95.81921244 (BIR-1) (SH 266, Port of Catoosa)														
Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2003	10	1	4:19 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	4	7	9:27 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	11	4	11:55 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	5	7	10:04 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	3	12	8:15 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002

Year	Month	Date	Time	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2003	10	1	4:19 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	4	7	9:27 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	11	4	11:55 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	5	7	10:04 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	3	12	8:15 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre

IR WBID OK121300010010_00				OWRB WBID 12130010010_002RS				Bird Creek					
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa					
Sampling Location: Latitude 36.24506825 Longitude -95.93641431 (BIR-2) (US 75 Owasso)													
Year	Month	Date	Time	Flow	Stream Stage ft	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
								mg/l	Sat.				
2003	9	30	2:25 PM	180 cfs		18.63	7.41	8.69	92.1		196.8	23	307.6
2003	4	7	1:01 PM			13.41	7.54	6.79	63.6		236.2	97	369
2003	1	29	10:12 AM			4	7.41	10.6	82.9		198	16	310
2002	11	5	2:30 PM			11	7.22	9.93	84.9		344	22	431
2002	10	1	10:05 AM			23.95	7.68	6.93	80.7		155.5	30	243
2002	9	5	10:05 AM			28	7.51	6.44	81.9		152	35	230
2002	7	10	10:00 AM	212 cfs	4.92	29	7.4	4.19	57.4		149	40	233
2002	6	4	4:17 PM			28	7.48	6.77	92.4		136	81	212
2002	5	7	12:35 PM			21.93	7.37	7.38	88.2		89.8	343	192
2002	4	9	12:55 PM			13	7.45	9.39	89.3		241	184	376
2002	3	12	9:30 AM			10.38		9.98	93.2		260.2	21	406.5

Year	Month	Date	Time	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml	ORP mV
2003	9	30	2:25 PM					102	64	0				371
2003	4	7	1:01 PM					126	89	0				354
2003	1	29	10:12 AM					218	63	41-60				475

2002	11	5	2:30 PM					141	66	0				500
2002	10	1	10:05 AM					85	82					331
2002	9	5	10:05 AM					96	72	41-60				379
2002	7	10	10:00 AM					64	158	41-60				434
2002	6	4	4:17 PM					58		41-60				470
2002	5	7	12:35 PM					86	76	0				291
2002	4	9	12:55 PM					120	72	41-60				409
2002	3	12	9:30 AM					130.2	98	0				378

Year	Month	Date	Time	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
								Severity	Size	
2003	9	30	2:25 PM	None	None	None	Mod.	None		Pre
2003	4	7	1:01 PM	None	None	None	Mod.	Mild	Medium	Pre
2003	1	29	10:12 AM	Mod.	Mild	Mod.	Serious	Mild	Small	Pre
2002	11	5	2:30 PM	None	None	None	Mild	Mild	Small	Pre
2002	10	1	10:05 AM	None	Mild	Mild	Mod.	Mild	Small	Pre
2002	9	5	10:05 AM	Serious	Mod.	Serious	Serious	Mod	Small	Pre
2002	7	10	10:00 AM	Serious	Serious	Serious	Extreme	Serious	Small	Pre
2002	6	4	4:17 PM	Serious	Mod.	Serious	Mod.	Extreme	Small	Pre
2002	5	7	12:35 PM	None	None	None	Mild	Mod	Small	Pre
2002	4	9	12:55 PM	Serious	Mod.	Serious	Serious	Serious	Small	Pre
2002	3	12	9:30 AM	None	None	Mild	Mild	None		Pre

IR WBID OK121300010010_00				OWRB WBID 121300010010_002RS				Bird Creek								
Sampling Agency: Oklahoma Water Resources Board						County: Tulsa										
Sampling Location: Latitude 36.24506825 Longitude -95.93641431 (BIR-2) (US 75, Owasso)																
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Hg µg/l	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2003	4	7	1:01 PM	<2	<10		<1	<5	<5	<0.1	6	<5	<5	<5	14	Pre
2003	1	29	10:17 AM	0.19	<10		0.36	<5	1.05	<0.1	<5	0.48	<5	<5	<5	Pre
2002	6	4	4:17 PM	<1	<10		<1	<5	<5	<0.1	<5	<5	<5	<5	11	Pre
2002	4	9	12:55 PM	<2	10		1	8	6	<0.5	8	<5	<5	<5	19	Pre

IR WBID OK121300010010_00				OWRB WBID 121300010010_002RS				Bird Creek						
Sampling Agency: Oklahoma Water Resources Board						County: Tulsa								
Sampling Location: Latitude 36.24506825 Longitude -95.93641431 (BIR-1) (US 75 Owasso)														
Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2003	9	30	2:25 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	4	7	1:01 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	11	5	2:30 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	5	7	12:35 PM	1.42	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	3	12	9:30 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002

Year	Month	Date	Time	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2003	9	30	2:25 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	4	7	1:01 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	11	5	2:30 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	5	7	12:35 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	3	12	9:30 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre

IR WBID OK121300010010_00				OWRB WBID 12130010010-003RS				Bird Creek					
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa					
Sampling Location: Latitude 36.29319126 Longitude -95.96671515 (BIR-3) (US 75 Sperry)													
Year	Month	Date	Time	Flow	Stream Stage ft	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm
								mg/l	Sat.				
2002	11	5	1:00 PM			10.7	7.62	7	65.3		117.7	16	183.8
2002	10	1	10:55 AM			23.52	7.63	5.8	67		174	27	272.1
2002	10	1	10:45 AM			23.52	7.63	5.8	67		174.1	27	272.1

Year	Month	Date	Time	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml	ORP mV
2002	11	5	1:00 PM					144	77	0				394
2002	10	1	10:55 AM					105	90	21-40				344
2002	10	1	10:45 AM					105	90	0				344

Year	Month	Date	Time	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
								Severity	Size	
2002	11	5	1:00 PM	None	None	None	None	None	Small	Pre
2002	10	1	10:55 AM	None	None	Mild	Mod.	Mod.	Small	Pre
2002	10	1	10:45 AM	None	Mild	None	None	Mild	Small	Pre

Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2002	11	5	1:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002

Year	Month	Date	Time	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2002	11	5	1:00 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre

IR WBID OK121300010010_00				INCOG WBID BIR-1				Bird Creek							
Sampling Agency: INCOG								County: Rogers							
Sampling Location: Latitude 36.20325 Longitude -95.75848 (BIR-4) (Hwy 167 Bridge)															
Year	Month	Date	Time	Flow at Sperry Gage (ft)	Flow at Owasso Gage (ft)	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	
2013	6	13	10:14 AM	2.05	5.01	57.9	61	None	7.60	28.84	80.8	6.23	105	315	
2013	8	26	10:05 AM	1.89	4.81	35.4	33	None	7.82	28.74	84.6	6.53	114	341	
2013	9	23	9:50 AM	1.83	4.76	32.6	30	None	7.53	22.34	84.3	7.32	101	323	
2014	6	24	9:50 AM	1.82	4.79	45.5	34	None	7.48	26.39	79.4	6.39	*	448	
2014	8	5	10:00 AM	1.85	4.76	56.3	45	None	7.58	27.17	78.7	6.25	103	381	
2014	9	10	10:25AM	1.83	4.72	30.1	23	None	7.74	26.03	82.3	6.67	110	400	
2014	9	17	9:40 AM	1.83	4.73			None					110		

Year	Month	Date	Time	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	Enterococcus (mpn/100 ml)	E. coli (mpn/100 ml)	Total Coliform (mpm/100 ml)	Comments
2013	6	13	10:14 AM	<0.002	0.002	0.028	19	80	36	8,600	
2013	8	26	10:05 AM	<0.002	0.0013	0.024	23	17	16	7,500	
2013	9	23	9:50 AM	<0.002	<0.001	0.020	18	58	78	6,300	
2014	6	24	9:50 AM	<0.002	<0.001	0.016	39	36	69	7,500	* Equipment problem, no hardness value.
2014	8	5	10:00 AM	0.0022	<0.001	0.027	27	120	64		Lab turbidity analyzed outside hold time.
2014	9	10	10:25AM	<0.002	<0.001	0.017	23	20	55	6,100	Lab turbidity analyzed outside hold time.
2014	9	17	9:40 AM	<0.002	<0.001	0.014					

IR WBID OK121300010010_00				INCOG WBID BIR-2					Bird Creek			
Sampling Agency: INCOG								County: Tulsa				
Sampling Location: Latitude 36.22317 Longitude -95.81965 (BIR-1) (Hwy 266 Bridge)												
Year	Month	Date	Time	Flow at Sperry Gage (ft)	Flow at Owasso Gage (ft)	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)
2013	8	6	11:00 AM	2.05	5.01	41.1	41	None	7.77	28.63	83.7	6.47
2013	8	26	10:45 AM	1.89	4.81	35.4	35	None	7.74	29.10	80.6	6.18
2013	9	23	10:25 AM	1.83	4.76	32.2	29	None	7.61	22.71	89.1	7.65
2014	6	24	10:25 AM	1.82	4.79	43.5	35	None	7.42	25.85	74.5	6.05
2014	8	5	10:35 AM	1.85	4.76	54.8	37	None	7.85	27.98	77.1	6.03
2014	9	10	11:00 AM	1.83	4.72	28.2	23	None	7.68	26.05	83.3	6.74
2014	9	17	10:00 AM	1.83	4.73			None				

Year	Month	Date	Time	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	Enterococcus (mpn/100 ml)	E. coli (mpn/100 ml)	Total Coliform (mpn/100 ml)	Comments
2013	8	6	11:00 AM	109	341	<0.002	0.001	0.027	20	160	54	9,900	
2013	8	26	10:45 AM	122	346	<0.002	0.0014	0.027	22	37	36	7,300	
2013	9	23	10:25 AM	92	326	<0.002	<0.001	0.020	18	73	77	9,100	
2014	6	24	10:25 AM	*	408	<0.002	<0.001	0.018	33	46	220	15,000	* Equipment problem, no hardness value.
2014	8	5	10:35 AM	116	435	<0.002	<0.001	0.028	29	23	88		Lab turbidity analyzed outside hold time.
2014	9	10	11:00 AM	111	394	<0.002	<0.001	0.018	20	14	54	7,700	Lab turbidity analyzed outside hold time.
2014	9	17	10:00 AM	114		<0.002	<0.001	0.016					

IR WBID OK121300010010_00				INCOG WBID BIR-3				Bird Creek			
Sampling Agency: INCOG								County: Tulsa			
Sampling Location: Latitude 36.24783 Longitude -95.86761 (BIR-5) (N. 97th E. Ave. Bridge)											
Year	Month	Date	Time	Flow at Sperry Gage (ft)	Flow at Owasso Gage (ft)	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)
2013	8	6	11:40 AM	2.05	5.01	43.1	44	None	7.95	29.34	95.9
2013	8	26	11:15 AM	1.89	4.81	53.6	55	None	7.76	29.29	82.4
2013	9	23	11:00 AM	1.83	4.76	31.8	31	None	7.67	21.88	91.9
2014	6	24	10:50 AM	1.82	4.79	49.7	37	None	7.53	26.24	81.9
2014	8	5	11:10 AM	1.85	4.76	46.7	35	None	7.80	29.75	89.7
2014	9	10	11:35 AM	1.83	4.72	34.6	26	None	7.77	25.88	89.2

2014	9	17	10:20 AM	1.83	4.73			None				
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Year	Month	Date	Time	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	Enterococcus (mpn/100 ml)	E. coli (mpn/100 ml)	Total Coliform (mpm/100 ml)	Comments
2013	8	6	11:40 AM	7.34	93	268	<0.002	0.001	0.013	11	35	24	8,400	
2013	8	26	11:15 AM	6.30	95	252	<0.002	0.0018	0.017	9.8	21	49	14,000	
2013	9	23	11:00 AM	8.05	83	257	<0.002	<0.001	0.023	11	38	36	7,000	
2014	6	24	10:50 AM	6.61	*	310	<0.002	<0.001	0.013	14	16	66	6,500	* Equipment problem, no hardness value.
2014	8	5	11:10 AM	7.01	106	325	<0.002	<0.001	0.015	17	22	53		Lab turbidity analyzed outside hold time.
2014	9	10	11:35 AM	7.25	101	325	<0.002	<0.001	<0.012	12	9.8	130	8,200	Lab turbidity analyzed outside hold time.
2014	9	17	10:20 AM		88		<0.002	<0.001	<0.01					

IR WBID OK121300010010_00				INCOG WBID BIR-4					Bird Creek				
Sampling Agency: INCOG								County: Tulsa					
Sampling Location: Latitude 36.23470 Longitude -95.92630 (BIR-6) (E. 56th St. N. Bridge W. of Yale Ave.)													
Year	Month	Date	Time	Flow at Sperry Gage (ft)	Flow at Owasso Gage (ft)	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	
2013	8	6	12:25 PM	2.05	5.01	48.3	51	None	7.74	28.92	88.4	6.82	
2013	8	26	12:40 PM	1.89	4.81	47.6	48	None	7.84	30.22	85.0	6.39	
2013	9	23	12:35 PM	1.83	4.76	30.5	29	None	7.70	21.62	93.2	8.20	
2014	6	24	11:20 AM	1.82	4.79	40.9	31	None	7.56	24.65	85.6	7.11	

2014	8	5	11:45 AM	1.85	4.76	37.4	22	None	7.82	27.45	91.6	7.24
2014	9	10	12:05 PM	1.83	4.72	21.7	16	None	7.75	26.40	87.1	7.01
2014	9	17	10:40 PM	1.83	4.73			None				

Year	Month	Date	Time	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	Enterococcus (mpn/100 ml)	E. coli (mpn/100 ml)	Total Coliform (mpn/100 ml)	Comments
2013	8	6	12:25 PM	81	239	<0.002	0.002	0.021	10	57	28	7,000	
2013	8	26	12:40 PM	90	234	<0.002	0.0015	0.024	8.1	17	45	9,300	
2013	9	23	12:35 PM	87	273	<0.002	<0.001	0.0077	11	28	38	5,100	
2014	6	24	11:20 AM	*	319	<0.002	<0.001	0.012	14	15	72	11,000	* Equipment problem, no hardness value.
2014	8	5	11:45 AM	94	317	<0.002	<0.001	0.016	13	57	71		Lab turbidity analyzed outside hold time.
2014	9	10	12:05 PM	103	332	<0.002	0.001	<0.012	12	7.5	48	6,000	Lab turbidity analyzed outside hold time.
2014	9	17	10:40 PM	99		<0.002	<0.001	<0.01					

IR WBID OK121300010010_00				INCOG WBID BIR-5					Bird Creek				
Sampling Agency: INCOG								County: Tulsa					
Sampling Location: Latitude 36.24959 Longitude -95.94319 (BIR-7) (W. 66th St. N. Bridge)													
Year	Month	Date	Time	Flow at Sperry Gage (ft)	Flow at Owasso Gage (ft)	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	
2013	8	7	1:40 PM	1.88	4.8	38.1	42	None	7.88	30.19	89.6	6.75	
2013	8	27	1:15 PM	1.88	4.78	40.1	43	None	7.73	29.45	88.2	6.73	

2013	9	24	1:25 PM	1.79	4.72	25.2	25	None	7.77	21.43	96.5	8.52
2014	6	25	1:20 PM	1.8	4.77	28.9	24	None	7.49	26.06	89.1	7.21
2014	8	6	1:18 PM	1.81	4.72	26.8	17	None	7.63	27.05	89.2	7.09
2014	9	16	1:15 PM	1.83	4.72	21.9	18	None	7.67	23.11	88.4	7.56
2014	9	17	11:00 AM	1.83	4.73			None				

Year	Month	Date	Time	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	Enterococcus (mpn/100 ml)	E. coli (mpn/100 ml)	Total Coliform (mpn/100 ml)	Comments
2013	8	7	1:40 PM	83	241	<0.002	0.001	0.029	11	39	23	5,900	
2013	8	27	1:15 PM	78	214	0.0099	0.0012	0.10	7.6	14	130	9,900	
2013	9	24	1:25 PM	90	292	<0.002	<0.001	0.0072	12	9.7	35	5,400	
2014	6	25	1:20 PM	97	325	<0.002	<0.001	<0.012	14	38	47	9,300	
2014	8	6	1:18 PM	92	313	<0.002	<0.001	<0.01	15	26	50		Lab turbidity analyzed outside hold time.
2014	9	16	1:15 PM	95	314	<0.002	<0.001	<0.01	11	53	40	>2,400	
2014	9	17	11:00 AM	92		<0.002	<0.001	<0.01					

IR WBID OK121300010020_00				OCC WBID OK121300-01-0120G				Elm Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.25455556 Longitude -95.83 (ELM-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	9	6	8:00 AM		25								Base flow.
2018	2	12	10:40 AM		3								Low flow.

2017	7	27	10:00 AM		28								Low flow.
2017	2	13	8:00 AM		10								Base flow.
1995	3	30	1:00 AM	3									

IR WBID OK121300010030_00				OCC WBID OK121300-01-0030C				Mingo Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.2203333 Longitude -95.8577777 (MIN-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	9	6	9:00 AM										No flow.
2018	2	13	12:30 PM		4								Base flow.
2017	7	27	12:00 PM		29								Base flow.
2017	2	13	2:00 PM		11								Base flow.
2016	8	24	8:50 AM	1.927	25								
2016	1	26	11:15 AM		6								Base flow.
2015	8	17	12:45 PM		27								Low flow.
2014	8	19	2:00 PM		27								Base flow.
2013	7	11	1:30 PM	1.176	34								
2013	3	13	10:44 AM	13.914	9								
2012	7	3	1:45 PM	18.87	30								
2012	1	21	1:21 PM	5.25	4								
2011	7	29	9:40 AM	8.74	29								
2011	1	18	12:07 PM		4								Base flow.
2010	1	13	12:05 PM		1.5								Base flow.
2009	9	3	9:30 AM		22								Flow slightly elevated.
2009	1	7	12:22 PM	20.58	7								
2008	8	27	9:22 AM	5.099	27								

2008	5	23	8:30 AM					>2,420	105				
2008	1	30	9:22 AM	16.49	5								
2007	8	17	8:30 AM	11.814	29								
2007	1	3	2:43 PM	42.5	6								
2006	7	24	1:45 PM	5.86									
2005	9	29	8:45 AM						58				
2005	8	25	9:15 AM						122				
2005	7	21	8:40 AM						18				
2005	7	15	10:00 AM	3.5									
2005	6	23	10:00 AM						31				
2005	1	27	11:34 AM	40.191									
2004	9	16	9:12 AM						120				
2004	8	25	9:00 AM	13.8					61				
2004	7	22	12:15 PM						120				
2004	7	20	9:58 AM	13.8									
2004	6	24	8:17 AM						330				
2004	5	27	8:45 AM						270				
2004	1	7	8:39 AM	17.43									

IR WBID OK121300010030_00				OCC WBID OK121300-01-0030R				Mingo Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.11361111 Longitude -95.865 (MIN-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2001	7	19	9:15 AM	0									
2000	7	19	11:30 AM	0.96									
2000	1	24	10:15 AM	0.73									
1999	7	8	1:25 AM	1.917									

1999	1	14	9:45 AM	3.462									
1998	8	7	10:15 AM	0.564									
1998	2	13	12:45 PM										Base flow.

IR WBID OK121300010050_00				OCC WBID OK121300-01-0050G				Mill Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)							County: Tulsa						
Sampling Location: Latitude 36.14972222 Longitude -95.891 (MIL-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2015	3	12	1:00 PM		13.5								Base flow.
2012	7	23	9:30 AM	0.57	25								
2012	2	1	10:50 AM		10								Base flow.
2010	1	11	8:30 AM		3								Base flow.
2009	9	3	7:35 AM		21								Slightly elevated flow.
2009	1	7	9:05 AM	0.73	7								
2008	8	25	8:15 AM	0.4	22								
2008	1	7	8:57 AM	0.58	13								
2007	7	23	8:30 AM	0.823	25								
2007	1	3	8:35 AM	1.02									
2005	7	7	4:16 PM	0.6									
2005	1	10	1:17 PM	1.33									
2004	7	14	3:10 PM										
2004	1	9	8:23 AM	0.77									
2003	7	1	1:50 PM	0.759									
2003	1	22	1:30 PM	0.66									
2002	8	19	9:25 AM	0.48									
2002	7	16	12:00 PM	1.06									

2002	1	28	10:20 AM	0.36									
2001	9	27	7:40 AM						260				
2001	7	16	12:05 PM	6.16									
2000	8	14	1:00 PM	0.57									
2000	1	20	10:00 AM	0.51									
1999	7	8	9:30 AM	0.48									
1999	1	14	9:15 AM	0.196									
1998	8	7	9:00 AM	0.189									
1998	6	5	9:30 AM	0.085									
1998	1	29	10:30 AM	0.653									

IR WBID OK121300010055_00					OCC WBID OK121300-01-0055M					Owasso Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)									County: Tulsa				
Sampling Location: Latitude 36.264838 Longitude -95.849422 (OWA-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	9	6	9:00 AM										High flow.
2018	2	14	4:00 PM		10								Base flow.
2017	7	28	10:00 AM		29								Base flow.
2017	2	13	3:30 AM		9								Base flow.

IR WBID OK121300010060_00				OCC WBID OK121300-01-0060K				Ranch Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)							County: Tulsa						
Sampling Location: Latitude 36.27055556 Longitude -95.867 (RAN-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
1999	8	26	8:00 AM						4				
1999	7	29	9:15 AM						770				
1999	6	24	1:00 AM						19				
1999	5	26	9:36 AM						20				
1998	8	27	9:45 AM					5					
1998	7	23	8:35 AM					16					
1998	6	18	9:40 AM					35					
1998	5	21	1:00 AM					<10					
1997	9	22	9:55 AM					<10					
1997	7	28	1:00 AM					<0.1					

IR WBID OK121300010060_00				OCC WBID OK121300-01-0060G				Ranch Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)							County: Tulsa						
Sampling Location: Latitude 36.27055556 Longitude -95.867 (RAN-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2016	1	30	10:00 AM		6								Base flow.
2015	9	14	10:00 AM		20								Base flow.
2015	1	23	10:00 AM		6								Base flow.

2012	6	12	9:00 AM	0.063	24								
2011	7	25	10:30 AM	0									
2010	1	13	3:13 PM		3								Base flow.
2009	9	3	12:08 PM		22								Flow slightly elevated.
2009	1	7	2:39 PM	1.49	6								
2008	1	30	2:43 PM	0.73	4								
2007	8	22	8:51 AM	0	26.5								
2007	1	4	3:23 PM										Elevated flow.
2005	9	29	9:13 AM						55				
2005	8	25	9:30 AM						433				
2005	7	21	9:00 AM						108				
2005	7	14	12:34 PM										Low flow.
2005	6	23	8:45 AM						138				
2005	1	12	11:20 AM										Flow slightly elevated.
2004	9	16	9:00 AM						>2,400				
2004	8	26	8:49 AM						53				
2004	7	22	8:45 AM						29				
2004	7	20	8:31 AM										Elevated flow.
2004	6	24	9:00 AM						490				
2004	5	27	9:30 AM						240				
2004	1	7	10:42 AM										Flow slightly elevated.
2003	9	25	8:43 AM						145				
2003	8	21	8:56 AM						42				
2003	7	24	8:43 AM						36				
2003	7	14	9:30 AM										Low flow.
2003	6	26	9:24 AM						>2,400				
2003	1	6	8:23 AM	2.74									
2002	9	19	8:45 AM						291				
2002	8	22	8:25 AM						60				
2002	7	30	1:00 PM	1.43									

2002	7	18	7:45 AM						1,733				
2002	6	20	10:30 AM						142				
2002	5	23	8:50 AM						613				
2001	9	25	10:45 AM						58				
2001	8	23	8:05 AM						57				
2001	7	26	10:50 AM						160				
2001	7	16	10:30 AM	0									
2001	6	28	10:40 AM						>2,400				
2001	5	31	10:50 AM						1,100				
2001	1	22	10:45 AM	4.96									
2000	9	21	9:50 AM						68				
2000	8	23	10:30 AM	1									
2000	7	27	10:25 AM						>2,400				
2000	7	10	9:25 AM	0.52									
2000	6	29	5:55 AM						390				
2000	5	24	9:15 AM						460				
2000	1	13	11:15 AM	0.46									
1999	8	26	8:00 AM						20				
1999	8	10	11:00 AM	0									
1999	7	29	9:08 AM						110				
1999	6	24	1:00 AM						>2,400				
1999	5	26	9:48 AM						>2,400				
1999	1	12	12:45 PM	1.205									
1998	8	27	9:00 AM					150					
1998	8	5	10:00 AM										Base flow.
1998	7	23	8:05 AM					91					
1998	6	18	9:40 AM					150					
1998	5	21	1:00 AM					110					
1998	1	22	9:30 AM										Flow slightly elevated.
1997	9	22	10:00 AM					<10					

1997	8	17	1:00 AM						0.12									High flow.
1997	7	29	1:00 AM						0.157									
1997	7	28	1:00 AM						<0.1									
1997	7	22	9:25 AM															Flow slightly elevated.
1997	1	24	11:00 AM															Base flow.
1996	10	17	1:30 PM															Base flow.
1996	8	23	10:20 AM	0.038														
1995	7	26	1:00 AM						560									
1995	6	28	11:00 AM						410									

IR WBID OK121300010060_00				OWRB WBID OKPB01-311				Ranch Creek									
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa									
Sampling Location: Latitude 36.30219 Longitude -95.87425 (RAN-2)																	
Year	Month	Date	Time	Stream Stage ft	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L
							mg/l	Sat.									
2006	6	27	1:45 PM			8.16	9.36	113.2	25	207	23.1	347.7	<0.05	<0.05	0.32	0.88	0.93

Year	Month	Date	Time	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	Periphyton Severity %	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
													Amount	Size	
2006	6	27	1:45 PM	0.016	0.088	<10	47.8	0	None	None	None	None	None		Pre

IR WBID OK121300010060_00				OWRB WBID OKPB01-311							Ranch Creek										
Sampling Agency: Oklahoma Water Resources Board							County: Tulsa														
Sampling Location: Latitude 36.30219 Longitude -95.87425 (RAN-2)																					
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Ca µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Fe µg/l	Hg µg/l	K µg/l	Mg µg/l	Ni µg/l	Na mg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2006	6	27	1:45 PM	<0.04	<10	49	34.9	<0.18	<5	2.2	847	<0.05	4.6	10.2	<5	16.5	0.57	<5	<10	<5	Pre

IR WBID OK121300010060_00				INCOG WBID RAN-1							Ranch Creek										
Sampling Agency: INCOG										County: Tulsa											
Sampling Location: Latitude 36.27851 Longitude -95.87082 (RAN-3) (E. 86th St. N. Bridge)																					
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	E. coli (mpn/100 ml)	Total Coliform (mpm/100 ml)	Comments		
2013	8	7	12:20 PM	29.7	31	None	7.65	27.82	53.6	4.20	123	348	<0.002	0.001	0.022	25	61	37,000			
2013	8	27	11:30 AM	18.4	19	None	7.71	25.58	64.4	5.25	159	430	<0.002			47	290	>2,400			
2013	9	24	12:00 PM	27.8	28	None	7.83	20.02	78.6	7.15	160	469	<0.002			65	230	11,000			
2014	6	25	11:25 AM	15.3	14	None	7.24	25.09	53.5	4.40	154	477	<0.002			45	190	25,000			
2014	8	6	11:50 AM	14.6	12	None	7.37	25.55	64.2	5.25	124	385	<0.002	<0.001	<0.01	33	170				
2014	9	16	11:45 AM	9.9	10	None	7.72	20.17	56.5	5.09	114	318	<0.002			24	11	>2,400			

IR WBID OK121300010060_00				INCOG WBID RAN-2				Ranch Creek											
Sampling Agency: INCOG								County: Tulsa											
Sampling Location: Latitude 36.25238 Longitude -95.86587 (RAN-4) (N 97th E. Ave. Bridge)																			
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	E. coli (mpn/100 ml)	Total Coliform (mpn/100 ml)	Comments
2013	8	7	11:35 AM	20.9	21	None	7.23	28.61	31.5	3.20	76	243	<0.002	<0.001	0.023	10	63	11,000	
2013	8	27	10:55 AM	30.3	30	None	7.09	26.34	36.8	2.97	82	224	<0.002			8.0	25	11,000	No visible flow. Long pool.
2013	9	24	11:25 AM	22.0	22	None	7.15	19.82	57.5	5.24	73	205	<0.002			6.1	59	5,000	
2014	6	25	10:55 AM	23.8	22	None	7.10	25.14	34.8	2.86	120	361	<0.002			25	140	11,000	
2014	8	6	11:13 AM	18.7	12	Yes	7.03	25.36	29.8	2.45	95	283	<0.002	<0.001	<0.012	22	44		
2014	9	16	11:00 AM	13.6	12	Yes	7.14	20.33	19.4	3.05	120	348	<0.002			11	17	>2,400	

IR WBID OK121300010090_00				OCC WBID OK121300-01-0090M				Coal Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.19555556 Longitude -95.915 (COA-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	9	4	5:00 PM		26								Base flow.
2018	19	19	10:30 AM		1								Base flow.
2017	9	15	10:35 AM		21								Low flow.
2017	2	10	10:00 AM		8								Low flow.
2016	8	19	8:13 AM		26								Low flow.
2016	1	28	11:30 AM		7								Low flow.
2015	9	17	9:30 AM		24								Base flow.

2015	1	23	12:30 PM		6								Base flow.
2014	9	12	1:00 PM		20								Base flow.
2013	7	11	11:40 AM	1.307	30								
2013	3	13	9:15 AM	4.57	8								
2012	6	14	8:40 AM	0.866	25								
2012	6	11	8:47 AM	2.053	27								
2012	2	29	9:15 AM	8.8	14								
2011	7	18	9:51 AM	1.12	29								
2011	1	18	8:10 AM	2.016	4.5								
2010	1	11	11:06 AM		2								Flow slightly elevated.
2009	9	3	8:55 AM	0	21								
2009	1	6	10:42 AM	2.82	4								
2008	8	25	10:30 AM		24								Base flow.
2008	1	7	10:55 AM	3.49	14								
2007	8	20	8:40 AM	4.696	26								
2007	1	3	10:48 AM	6.32	6								
2006	7	24	9:30 AM	1.74									
2005	9	29	9:48 AM						99				
2005	8	25	9:45 AM						410				
2005	7	21	8:56 AM						69				
2005	7	14	10:09 AM	0.842									
2005	6	23	8:45 AM						366				
2005	1	27	1:00 PM	9.73									
2004	9	16	7:44 AM						210				
2004	8	26	8:55 AM						520				
2004	7	22	8:50 AM						650				
2004	7	16	1:48 PM	2.7									
2004	6	24	10:10 AM						440				
2004	5	27	8:25 AM						290				
2004	1	29	11:08 AM	6.42									

2003	9	25	9:40 AM							228									
2003	7	2	2:38 PM	2.07															
2003	1	6	11:15 AM	2.67															
2002	8	23	9:15 AM	0.94															
2002	7	16	1:00 PM	1.89															
2002	1	28	11:40 AM	1.74															
2000	8	14	11:00 AM	1.1															
2000	1	20	1:15 PM	1.69															
1999	8	10	9:00 AM	3.595															
1999	1	11	2:15 PM	2.694															
1997	8	4	8:45 AM	1.483															
1995	2	16	8:00 AM	2															

IR WBID OK121300010090_00	INCOG WBID COA-1	Coal Creek
Sampling Agency: INCOG		County: Tulsa
Sampling Location: Latitude 36.19145 Longitude -95.91325 (COA-2) (E. 26th St. N. Bridge)		

Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	E. coli (mpn/100 ml)	Total Coliform (mpn/100 ml)	Comments
2013	8	7	10:25 AM	2.39	2.9	None	7.46	28.25	49.7	3.87	125	351	<0.002	<0.001	0.016	32	12,000	87,000	
2013	8	27	10:00 AM	2.39	2	None	7.37	25.98	46.3	3.75	122	337	<0.002			31	39,000	120,000	
2013	9	24	10:25 AM	3.38	3	None	7.32	20.28	54.7	4.84	110	304	<0.002			22	16,000	200,000	
2014	6	25	9:55 AM	4.6	3.5	None	7.41	25.31	52.5	4.31	128	348	<0.002			30	240	25,000	
2014	8	6	10:10 AM	2.77	1.5	None	7.71	26.49	66.7	5.36	123	363	<0.002	<0.001	<0.012	31	610		Lab turbidity analyzed outside hold time.

2014	9	16	10:00 AM	2.41	3	None	7.56	22.09	71.6	6.25	109	311	<0.002			23	260	>2,400	
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IR WBID OK121300010090_00			INCOG WBID COA-2				Coal Creek												
Sampling Agency: INCOG						County: Tulsa													
Sampling Location: Latitude 36.23357 Longitude -95.87810 (COA-3) (E. 56th St. N., Mohawk Blvd., Bridge, W. of Mingo)																			
Year	Month	Date	Time	Turbidity, Field (NTU)	Turbidity, Lab (NTU)	Oil & Grease (Visual)	pH	Temp. (°C)	DO (% Sat.)	DO (mg/L)	Hardness (mg/L)	Conductivity (mmhos/cm)	Pb (mg/L)	Cd, Total (mg/L)	Zn, Total (mg/L)	Sulfate (mg/L)	E. coli (mpn/100 ml)	Total Coliform (mpn/100 ml)	Comments
2013	8	7	11:05 AM	45.7	48	None	7.44	29.27	45.7	3.52	117	296	<0.002	0.001	0.021	27	210	26,000	
2013	8	27	10:25 AM	57.5	52	None	7.26	27.31	50.4	3.98	126	311	<0.002			32	120	28,000	
2013	9	24	11:02 AM	41.5	35	None	7.50	21.25	72.9	6.45	126	320	<0.002			32	110	20,000	
2014	6	25	10:30 AM	47.3	37	None	7.35	26.77	60.8	4.56	139	396	0.004			36	48	10,000	
2014	8	6	10:50 AM	25.1	16	None	7.38	27.72	51.6	4.06	113	300	0.0032	<0.001	<0.012	25	54		Lab turbidity analyzed outside hold time.
2014	9	16	10:35 AM	22.7	19	None	7.55	18.23	91.2	8.58	96	313	<0.002			22	1,100	>2,400	

IR WBID OK121300010120_00			OCC WBID OK121300-01-0120D				Flat Rock Creek								
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)						County: Tulsa									
Sampling Location: Latitude 36.2251388 Longitude -95.9446666 (FLA-1)															
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments		
2018	3	10	10:30 AM		13								Base flow.		
2017	8	27	7:00 AM		28								Base flow.		

2017	2	11	10:00 AM		11										Base flow.
2016	8	18	9:00 AM		26										Low flow.
2016	1	28	3:15 PM		7										Base flow.
2015	8	17	2:15 PM		27										Base flow.
2015	2	11	4:00 PM		10										Base flow.
2014	7	25	9:30 AM		27										Low flow.
2014	3	6	9:00 AM		3										Base flow.
2013	7	10	10:54 AM	2.5	29										
2013	3	16	9:00 AM	10.574	15										
2012	7	19	8:30 AM	3.73	30										
2012	2	25	11:00 AM	4.1	6.5										
2011	7	29	11:50 AM	2	31										
2011	1	18	10:06 AM		3										Flow slightly elevated.
2010	1	11	1:37 PM		1										Base flow.
2009	9	3	10:54 AM		22										Flow slightly elevated.
2009	1	6	2:37 PM	2.2	4										
2008	8	25	1:10 PM	7.933	27										
2008	1	7	1:29 PM	4.93	15										
2007	7	24	8:43 AM	6.236	26										
2007	1	3	1:26 PM	6.21	5										
2006	7	24	11:30 AM	0.93											
2005	7	15	8:36 AM	1.56											
2005	6	23	10:00 AM							140					
2005	1	27	2:03 PM												Base flow.
2004	8	24	9:20 AM	1.96											
2004	7	20	1:19 PM	4.77											
2004	6	24	10:00 AM							520					
2004	1	7	12:48 PM	7.82											

IR WBID OK121300010150_00					OCC WBID OK121300-01-0150M					Delaware Creek			
Sampling Agency: Oklahoma Conservation Commission, Blue Thumb								County: Osage					
Sampling Location: Latitude 36.2555 Longitude -96.1216 (DEL-1) (Hwy 97 Bridge)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2016	1	21	12:00 PM		3								Base flow.
2012	7	24	9:30 AM	0	20								
2012	2	23	4:00 PM		15								Flow slightly elevated.
2011	1	19	12:47 PM		4								Base flow.
2010	6	22	8:10 AM		28								Base flow.
2010	1	14	1:05 PM		4								Flow slightly elevated.
2009	1	9	10:42 AM	0.39	6								
2008	8	28	10:30 AM		29								Low flow.
2008	3	11	1:45 PM	0.85	12								
2007	8	15	11:36 AM	0	28								
2007	1	8	11:04 AM	0.91	4								
2006	6	7	9:28 AM		25								Trace flow.
2005	9	29	8:50 AM						11				
2005	8	25	10:20 AM						390				
2005	7	21	8:36 AM						15				
2005	6	23	8:05 AM						39				
2005	2	4	10:44 AM	7.71									
2004	9	16	7:50 AM						2,400				
2004	8	26	8:40 AM						51				
2004	7	22	8:48 AM						10				
2004	7	14	12:44 PM	0.71									
2004	6	24	8:20 AM						190				

2004	5	27	8:17 AM						210				
2004	1	29	1:04 PM	2.236									
2003	9	25	8:26 AM						76				
2003	8	21	10:05 AM						12				
2003	7	24	9:10 AM						62				
2003	7	14	11:00 AM	0									
2003	6	26	9:03 AM						2,000				
2003	1	6	1:26 PM	0									
2002	7	16	9:30 AM	0									
2002	1	8	10:30 AM	0									
2001	9	25	9:45 AM						120				
2001	8	23	9:55 AM						91				
2001	7	26	9:15 AM	1									
2001	7	16	9:15 AM	0									
2001	6	28	9:25 AM						91				
2001	6	12	9:40 AM	1.27									
2001	5	31	9:00 AM						500				
2000	9	21	9:34 AM						23				
2000	8	14	9:30 AM	0									
2000	7	27	9:30 AM						32				
2000	6	29	5:55 PM						200				
2000	2	8	10:00 AM	1.08									
1999	8	26	8:00 AM						<1				
1999	8	9	9:30 AM	0									
1999	7	29	9:25 AM						28				
1999	6	24	1:00 AM						1,800				
1999	5	26	9:46 AM						2,400				
1999	1	12	11:00 AM	0.477									
1998	8	27	9:45 AM					<5					
1998	8	13	10:15 AM	0									

1998	7	23	8:55 AM					8				
1998	6	18	9:00 AM					2				
1998	5	21	1:00 AM					60				
1997	11	21	9:30 AM	0.61								
1997	6	22	9:55 AM					<10				
1997	7	29	1:00 AM					0.147				High flow.
1997	7	28	1:00 AM					0.15				
1997	7	22	1:14 PM	0.856								
1996	9	4	2:30 PM	0.492								

IR WBID OK121300010150_00					OCC WBID OK121300-01-0150C				Delaware Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Tulsa				
Sampling Location: Latitude 36.27297 Longitude -95.974 (DEL-2)												
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L
2001	8	13	2:00 PM	0	29.6	7.96	4.41 PT		15	20	27	523

Year	Month	Date	Time	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	8	13	2:00 PM	24.3	1,005	<0.01	0.55	0.25	0.54	0.165	0.038	189.5	16.52	231.3	101	DO was 4.34 at PB.

IR WBID OK121300010150_00				OCC WBID OK121300-01-0150H				Delaware Creek					
Sampling Agency: Oklahoma Conservation Commission							County: Tulsa						
Sampling Location: Latitude 36.27714 Longitude -95.99239 (DEL-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	4	23	3:15 PM	18.318	15.7	7.46	9.72 R				<10	410	21.9
2018	3	12	3:15 PM	2.777	11.5	6.59	9.22 R				<10	260	27.1
2018	2	5	2:30 PM	0.355	3.8	6.83	11.95 R				<10	550	5.49
2018	1	8	3:15 PM	0.3	3.3	6.67	12.01 R				<10	540	5.79
2017	11	27	3:00 PM	0.293	11.1	6.52	4 R				<10	260	4.48
2017	10	23	2:30 PM	25.279	16.2	6.56	8.56 R				17	150	56.7
2017	9	26	7:15 AM	0					20				24.6
2017	9	18	3:15 PM	<0.01	23.4	6.81	3.43 PT		40		<10	290	24.4
2017	8	14	3:30 PM	0.561	26.4	6.95	5.97 R		140		<10	220	26.1
2017	7	10	2:45 PM	3.063	28.7	7.37	6.87 R		60		12	370	30.1
2017	6	5	3:00 PM	3.741	25.2	6.78	6.4 R		60		<10	350	24.8
2017	5	1	2:45 PM	350	14.9	6.47	9.33 R				62	130	82.3
2017	3	27	3:30 PM	9.174	15.5	7.06	7.62 R				<10	330	49.2
2017	2	27	3:30 PM	0.1	12.4	7.27	9.95 R				<10	260	9.78
2017	1	17	2:45 PM	1.45	7.2	6.87	10.38 R				<10	490	22.8
2016	12	5	2:45 PM	0.1	8.3	6.77	7.51 R				<10	360	5.51
2016	11	7	2:15 PM	<0.5	16.7	7.33	3.6 PT				<10	390	9.87
2016	10	3	2:30 PM	0	19.4	6.96	7.2 PT				<10	270	8.82
2016	8	29	2:45 PM	0.1	27.2	7.03	4.28 R		10		<10	240*	7.09
2016	7	25	4:45 PM	0.131	31.6	7.03	5.94 R		500		<10	640	4.52
2016	7	5	9:30 AM						150*				11.7
2016	6	20	9:30 AM	0.747	27.4	7.27	4.4 R		180*		10	440	16.6
2016	6	20	7:00 AM	0.747	27.4	7.27	4.4 R						16.6

2016	5	17	8:15 AM						1,700				107
2013	4	15	1:45 PM	2.277	18.6	7.41	8.26 R				<10	222	27.1
2013	3	11	5:00 PM	0.325	12.5	7.25	8.78 R				<10	186	50.4
2013	2	4	7:30 AM		7.8	7.61	7.7 PT				22	255	28.9
2013	1	16	1:46 PM	0									
2013	1	7	4:15 PM	<0.1	5	7.03	9.51 PT				<10	236	13.7
2012	11	26	4:00 PM	0	8.2	6.82	5.4 PT				<10	230	21.8
2012	10	22	2:30 PM		21.7	6.86	2.28 R				<10	165	41.5
2012	9	10	2:30 PM	0	22.4	7.06	7.65 PT		<5		25	300	36.3
2012	8	6	8:00 AM	0	24.4	7.4	4.78 PT		10*		<10	294	23.2
2012	7	17	11:00 AM	0					<5				
2012	7	9	1:00 PM	0	31.1	7.61	10.18 PT		5		<10	256	9.32
2012	5	29	1:45 PM	0.057	28.8	7.29	5.28 R		10		<10	276	16.2
2012	4	24	7:45 AM	4.248	16.3	7.25					<10	259	35.6
2012	3	19	3:15 PM	10.038	18	7.18	6.98 R				74	247	138
2012	2	14	8:30 AM	4.997	2	7.51	12.76 R				<10	239	41.5
2012	1	9	3:00 PM	0.437	7.1	6.97	10.85 R				<10	256	18.3
2011	12	6	3:30 PM	7.903	4.9	7.48	10.98 R				<10	176	31.1
2011	10	24	4:00 PM		15	6.67	5.13 PT				<10	260	37.5
2011	9	19	3:00 PM	0	23.6	6.83	7.01 PT		100*	385*	45	295	94.1
2011	9	6	2:00 PM	0					<5	10			20.8
2011	8	15	3:00 PM	0.12	30.9	6.92	4.84 R		110	490	15	270	57.9
2011	7	11	1:45 PM	0	33.8	7.45	7.12 PT		5*	<5*	<10	321	10.4
2011	7	5	2:00 PM	0									
2011	6	6	2:15 PM	0	30.8	7.24	5.07 R		20*	10*	<10	265	14.9
2011	6	1	8:30 AM	0.1	27.5	7.07	3.16 R						29.4
2008	5	6	9:30 AM	7.592	20.6	7.06	6.44 R		120	420	17	317	27.1
2008	3	31	8:00 AM	6.694	15.9	7.14	7.97 R				<10	351	26.6
2008	2	26	8:00 AM	8.171	6	7.18	11.21 R				<10	254	38.8
2008	1	28	9:00 AM	2.062	3.7	7.29	11.81 R				<10	370	12.8

2007	12	3	8:45 AM	0.21	7.8	6.54	5.39 R				<10	677	10.7
2007	11	6	8:30 AM	0.152	11.6		4.27 R				<10	536	11.6
2007	10	2	8:30 AM	1.227	21.5		3.34 R				14	477	34.6
2007	8	27	9:00 AM	0.219	25.7		4.19 R		70	80	<10	514	11
2007	7	23	8:15 AM	46.544	26.3	7.12	5.18 R		>1,000	>1,000	170	155	313
2007	7	9	2:00 PM						110	90			
2007	6	19	8:00 AM	16.402	24.4	7.42	6.45 R		160	440	23	215	35.8
2007	5	14	8:00 AM	21.892	23.6		6.34 R		170	510	21	167	29.5
2007	4	9	8:30 AM	5.544	8.4	7.18	9.76 R		160	205	18	233	17.7
2007	3	5	8:40 AM	1.154	6.2	7.2	11.06 R				<10	305	25.9
2007	1	29	8:30 AM	14.491	1.8	7.11	13.36 R				15	194	37.3
2007	1	2	9:15 AM	12	4.3	7.09	11.01 R				<10	162	71.8
2006	11	27	8:45 AM	0.02	13.2	7.09	1.61 PT				20	325	14.6
2006	10	23	8:45 AM	0	7.9	6.34	7.05 PT				16	220	36.1
2006	9	18	8:00 AM		15.9	7.06	5.91 R		640	370	35	244	154
2006	8	14	8:00 AM	0	26.4	7.18	2.84 PT		20	180	19	151	29.8
2006	7	6	7:00 AM	0									
2006	6	22	7:30 AM	0.05	24.6	7.37	4.4 R						17.6
2006	6	19	7:30 AM	0.012	23.2	7.11	4.95 R		60	>1,000	20	346	27.6
2003	6	16	3:00 PM	6.985	25.4	7.83	4.08 RI		60	100	62	327	80.4
2003	5	12	2:30 PM	0.422	21.8	7.69	4.83 RI		30	40	66*	489*	33.1
2003	4	7	2:00 PM	25.311	13.5	7.88	8.07 RI		1180**	490**	100*	249*	161
2003	3	3	5:00 PM	8.938	5.5	7.73	12.18 RI				<10*	921*	26.4
2003	1	27	1:30 PM	0	4.5	7.72	6.4 PT				76*	1,619*	34.8
2002	12	16	1:00 PM	0.113	9.7	8.85	3.04 R				<10	419	18.5
2002	11	18	4:00 PM	0	15.2	8.92	2.4 PT				<10*	335*	16.5
2002	10	14	4:00 PM	0	17.5	7.16	3.68 PT		<20	<20	70*	290*	25.8
2002	9	16	2:00 PM	0	21.6	7.02	4.22 PT		<20	20	11*	218*	23.3
2002	8	5	1:30 PM	0.136	32.5	7.4	4.86 RI		130	10	<10	464	25.8
2002	7	8	2:15 PM	0.542	29.8	7.29	5.53 RI		80	100	<10	446	14.3

2002	5	29	2:00 PM	24.988	22	9.5	6.45 RI		790	330	54	171	89.4
2002	4	22	2:30 PM	1.714	19.8	8.66	6.78 RI		60	70	42	328.5	24.6
2002	3	18	1:30 PM	1.314	9.9	8.75	5.63 RI				19	419	26.1
2002	2	11	2:00 PM	2.258	4.4	8.03	10.44 RI				17	289	37.4
2002	1	7	2:00 PM	0.232	5.3	9.12	10.05 RI				22	888	13.5
2001	12	3	1:30 PM	0	11.7	6.69	5.12 PT				25	440	9.47
2001	10	22	2:00 PM	0	19.8	7.03	3.65 PT		<10	10	<10	664	11
2001	9	17	1:00 PM	0.02	22.7	7.25	5.1 RI	20	100	20	16	468.5	26.6
2001	9	14	9:00 AM	0.02	20.7	7.69	3.68 R						3.81

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	4	23	3:15 PM	658	<0.04	<0.02			0.34*	0.035	0.011	134	35.9	158	98	*Exceeded hold time.
2018	3	12	3:15 PM	394.8	<0.02	<0.02			0.47	0.048*	0.015	62.7	24	103	76	*Exceeded hold time.
2018	2	5	2:30 PM	985	<0.1	<0.02			0.35	0.028	0.01*	217	22.1	246	113	*Exceeded hold time.
2018	1	8	3:15 PM	994	<0.1	0.03			0.34	0.017	<0.005	220	24.6	257	110	
2017	11	27	3:00 PM	452.4	<0.02	0.02			0.57	0.057	0.022	80.6	17.9	198	97	
2017	10	23	2:30 PM	178.2	<0.02	0.12			0.66	0.115	0.057	10.6	13.5	78	56	
2017	9	26	7:15 AM													
2017	9	18	3:15 PM	558	<0.02	<0.02		0.023	0.69	0.052	0.022	81.8	13.3	155	125	
2017	8	14	3:30 PM	355	<0.02	<0.02		0.016	0.56	0.052	0.016	45	13.7	104	98	
2017	7	10	2:45 PM	706	<0.02	<0.02		0.016	0.52	0.053	0.011	137	20.4	155	123	
2017	6	5	3:00 PM	603	<0.02	<0.02		<0.015	0.47	0.044	0.015	104	24.3	149	111	
2017	5	1	2:45 PM	156.8	<0.02	0.09			0.63	0.096	0.037	13.4	13.2	58	43	
2017	3	27	3:30 PM	597.7	<0.02	0.05			0.68	0.071	0.024	110	30.7	210	73	
2017	2	27	3:30 PM	509.8	<0.02	<0.02			0.66	0.037	0.01	95.1	13.8	197	108	
2017	1	17	2:45 PM	660.7	<0.02	0.18			0.63	0.06	0.015	187	17	335	119	

2016	12	5	2:45 PM	677.2	0.11	0.02			0.42	0.041	0.019	126	13.3	250	129	
2016	11	7	2:15 PM	555.1	0.2	<0.02			0.66	0.044	0.017	141	7.2	222	120	
2016	10	3	2:30 PM	406.2	0.17	<0.02			0.64	0.059	0.012	67.4	11.9	150	136	
2016	8	29	2:45 PM	432.8	0.14	0.04		0.037	0.52	0.037	0.015	57.9	14.8	143	110	*Exceeded hold time.
2016	7	25	4:45 PM	1,158	<0.2	0.02		0.016	0.45	0.029	0.008	259	18.8	234	129	
2016	7	5	9:30 AM													*Exceeded hold time. Base flow.
2016	6	20	9:30 AM	798	<0.02	0.07		0.04	0.51	0.042	0.013	153	27	220	124	*Exceeded hold time.
2016	6	20	7:00 AM	798										220	124	
2016	5	17	8:15 AM													Flow was elevated.
2013	4	15	1:45 PM	386.8	<0.02	<0.02			0.58	0.049	0.011	50.3	39.2	112	73	
2013	3	11	5:00 PM	336.5	<0.02	0.3			1.09	0.089	0.015	40.5	32	213	63	
2013	2	4	7:30 AM	427.8	<0.02	<0.02			0.91	0.108	0.035	52.5	11.1	160	125	Trace flow.
2013	1	16	1:46 PM													
2013	1	7	4:15 PM	389	<0.02	<0.02			0.95	0.064	0.022	34.6	15.4	223	115	
2012	11	26	4:00 PM	336.2	<0.02	<0.02			0.9	0.1	0.045	30.1	18.1	191	108	
2012	10	22	2:30 PM	242	<0.02	0.08			0.95	0.129	0.054	24.5	17.8	83	46	Trace flow.
2012	9	10	2:30 PM	505	<0.02	<0.02		0.031	1.13	0.071	0.013	106.9	21.6	94	70	
2012	8	6	8:00 AM	537	<0.02	0.02		0.061	1.04	0.059	0.011	99.7	11.9	109	98	*Exceeded hold time.
2012	7	17	11:00 AM													
2012	7	9	1:00 PM	458	<0.02	<0.02		0.034	0.82	0.053	0.008	75.3	10.7	121	101	
2012	5	29	1:45 PM	548	<0.02	<0.02			0.66	0.039	0.008	95.6	18	126	96	
2012	4	24	7:45 AM	380.5	<0.02	0.15			0.9	0.068	0.031	67.5	22.1	120	73	
2012	3	19	3:15 PM	367.7	<0.02	0.09			1	0.118	0.026	62.7	29.7	111	55	
2012	2	14	8:30 AM	362.4	<0.02	0.27			0.78	0.058	0.014	66.5	33.1	224	58	
2012	1	9	3:00 PM	428	<0.02	<0.02			0.49	0.078	0.009	72.5	34.9	173	89	
2011	12	6	3:30 PM	256.1	<0.02	0.09		<0.015	0.82	0.057	0.018	31.3	23.3		50	
2011	10	24	4:00 PM	364.5	<0.02	0.02		<0.015	0.88	0.035	0.012	78.9	17.9		109	No flow.
2011	9	19	3:00 PM	491.3	<0.02	0.1		0.044	1.08	0.087	0.022	86	15.9		102	*Exceeded hold time.
2011	9	6	2:00 PM													

2011	8	15	3:00 PM	382.3	<0.02	0.02		0.233	2.24	0.208	0.084	71.2	14.2		59	
2011	7	11	1:45 PM	606	<0.02	0.03		0.018	1.03	0.054	0.007	104	1		119	*Exceeded hold time. DO was 6.9 at PB.
2011	7	5	2:00 PM													
2011	6	6	2:15 PM	275.8	<0.02	0.02		0.047	0.77	0.056	0.014	67.7	18.2		132	*Exceeded hold time.
2011	6	1	8:30 AM	651											105	DO was 3.24 in a RI.
2008	5	6	9:30 AM	585	<0.02	0.11		<0.015	0.73	0.044	0.013	93.1	28.8	125.2	79	
2008	3	31	8:00 AM	576	<0.02	0.08		0.015	<0.11	0.029	0.022	112.2	29.3	141.1	71	
2008	2	26	8:00 AM	358.8	<0.02	0.12		<0.015	<0.11	0.066	0.015	78.9	26.3	102.3	68	
2008	1	28	9:00 AM	698	<0.02	0.06		<0.015	0.46	0.034	0.012	147.5	30.7	163.8	85	
2007	12	3	8:45 AM	815	<0.02	0.16		<0.015	0.78	0.026	<0.005	252	18.3	254.3	130	
2007	11	6	8:30 AM	833	0.38	0.23		<0.015	0.83	0.058	0.014	192.8	76.6	200	102	
2007	10	2	8:30 AM	446.5	<0.02	0.1		0.015	0.48	0.157	0.019	162.9	14.7	146.8	72	
2007	8	27	9:00 AM	963	<0.02	0.05		<0.015	0.45	0.034	0.02	170.5	185.9	232.8	115	
2007	7	23	8:15 AM	205	<0.02	0.24		<0.015	0.97	0.196	0.056	24.9	120.3	72.7	51	
2007	7	9	2:00 PM													Base flow.
2007	6	19	8:00 AM	318.5	<0.02	0.16		<0.015	0.46	0.075	0.028	34.1	20.1	102.1	75	
2007	5	14	8:00 AM	283.6	<0.02	0.14		<0.015	<0.11	0.065	0.025	32.3	19.2	86.5	50	
2007	4	9	8:30 AM	382.1	<0.02	0.07		<0.015	0.41	0.048	0.012	61.9	26.4	106.2	51	
2007	3	5	8:40 AM	509	<0.02	<0.02		<0.015	<0.11	0.035	0.016	100.5	126.7	137.5	86	
2007	1	29	8:30 AM	251.8	0.08	0.14		<0.015	0.38	0.046	0.024	33.7	27.2	75.5	39	
2007	1	2	9:15 AM	251.6	<0.02	0.12		<0.015	0.7	0.103	0.029	34.4	78.8	76.1	52	
2006	11	27	8:45 AM	516	<0.02	<0.02		<0.015	0.26	0.125	0.056	63.4	5.1	171.6	137	
2006	10	23	8:45 AM	424.4	<0.02	<0.02		<0.015	0.71	0.091	0.021	55.9	8.7	127.3	91	
2006	9	18	8:00 AM	318.9	<0.02	0.15		0.024	0.36	0.109	0.042	50.8	20.3	103	90	Trace flow.
2006	8	14	8:00 AM	361.4	<0.02	0.07		0.033	0.38	0.033	0.027	41.6	100.8	118.2	85	
2006	7	6	7:00 AM													
2006	6	22	7:30 AM	578											86	
2006	6	19	7:30 AM	569	<0.02	<0.02		<0.015	0.43	0.04	0.016	97.8	158.7	144.8	86	
2003	6	16	3:00 PM	537	0.01*	0.21*		0.044	0.55	0.136	0.026	97.2*	23.3*	122.2	59	*Exceeded hold time.

2003	5	12	2:30 PM	799	0.02*	0.36*		0.093	0.809	0.091	0.031	177.6*	24.7*	164.6*	56	*Exceeded hold time.
2003	4	7	2:00 PM	334.9	<0.01	0.22		<0.015	0.421	0.111	0.016	49.61	75.8	83.09	43	*Exceeded hold time. **Count above range, used grid estimation.
2003	3	3	5:00 PM	1,855	<0.01*	0.32*		<0.015	<0.11*	<0.005	<0.005	467*	47.3*	292.4*	54	*Exceeded hold time.
2003	1	27	1:30 PM	2,842	<0.01*	0.19*		<0.015*	0.42*	0.017*	<0.005*	800.1*	38.7*	473.2*	103	*Exceeded hold time. DO was 6.19 at PB.
2002	12	16	1:00 PM	570	<0.01	0.11		<0.015	0.714	0.067	0.019	141.3	6.64	172	102	DO was 1.04 at PT and 1 at PB.
2002	11	18	4:00 PM	607	<0.01*	0.3*		0.023*	0.549*	0.138*	0.057*	84.16*	15.21*	165.9*	74	*Exceeded hold time. DO was 2.22 at PB.
2002	10	14	4:00 PM	546	<0.01*	0.71*		0.029*	0.536*	0.039*	0.007*	85.9*	10.74*	139.9*	171	*Exceeded hold time. DO was 3.39 at PB.
2002	9	16	2:00 PM	467.3	<0.01	0.54		0.22	0.573	0.025	0.02	72.1	8.15	132.6		*Exceeded hold time. DO was 3.98 at PB.
2002	8	5	1:30 PM	783	<0.01	0.57		0.182	0.562	0.016	<0.005	157.4	14.5	169.8	77	
2002	7	8	2:15 PM	778	<0.01	0.51		0.128	0.42	0.076	<0.005	161	17.65	155.3	52	
2002	5	29	2:00 PM	295.4	<0.01	0.52		0.07*	<0.11	0.045*	0.009*	33.63	21.35	85.95	46	*Exceeded hold time.
2002	4	22	2:30 PM	502	<0.01	0.57		0.144	0.64	0.054	0.034	103.7	28.06	119.1	98	
2002	3	18	1:30 PM	608	<0.01	0.51		0.107	0.442	0.08	0.023	153.9	29.07	167	51	
2002	2	11	2:00 PM	318.3	<0.01	0.94		0.077	0.541	0.062	0.016	89.3	24.01	104.8	37	
2002	1	7	2:00 PM	1,137	<0.01	<0.01		0.264	0.626	0.033	<0.005	441.7	22.1	376.71	93	DO was 9.81 at PT and 9.7 at PB.
2001	12	3	1:30 PM	907	<0.01	<0.01		0.164	0.615	0.046	0.014	239.1	10.6	215	109	DO was 5.08 at PB.
2001	10	22	2:00 PM	1,124	<0.01	0.62		0.231	0.637	0.045	<0.005	302.3	12.4	273.8	76	DO was 3.15 at PB.
2001	9	17	1:00 PM	889	<0.01	0.55		0.247	0.586	0.047	<0.005	164.8	15.9	233	84	DO was 4.2 at PT and 3.99 at PB.
2001	9	14	9:00 AM	94.8											150	DO was 4.46 at PT and 4.43 at PB.

IR WBID OK121300010180_00					OCC WBID OK121300-01-0180K					Dirty Butter Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)										County: Tulsa			
Sampling Location: Latitude 36.1888055 Longitude -95.9828888 (DBC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2004	1	7	1:47 PM	3.15									

IR WBID OK121300010220_00					OCC WBID OK121300-01-0120T					Elm Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)										County: Tulsa			
Sampling Location: Latitude 36.28 Longitude -95.821 (ELM-2) (Unnamed trib. of Elm Creek)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
1997	8	18	1:00 AM					0.21					High flow.

IR WBID OK121300010220_00					OCC WBID OK121300-01-0120V					Elm Creek			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)										County: Tulsa			
Sampling Location: Latitude 36.27916667 Longitude -95.822 (ELM-2) (Unnamed trib. of Elm Creek)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2005	7	14	11:42 AM	0									
2004	7	20	9:08 AM	0									
2000	1	24	10:15 AM	0									

IR WBID OK121300010220_00				OCC WBID OK121300-01-0120S				Elm Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.27972222 Longitude -95.823 (ELM-2) (Unnamed trib. of Elm Creek)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
1999	8	4	1:00 AM					500					
1999	7	7	2:15 PM					130					

IR WBID OK121300020010_00				OWRB WBID 121300020010-003RS				Bird Creek							
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa							
Sampling Location: Latitude 36.29319126 Longitude -95.96671515 (BIR-3) (SH11, Near Sperry)															
Year	Month	Date	Time	Flow	Stream Stage ft	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	T. Hardness mg/L CaCO ₃	Alk. mg/L
								mg/l	Sat.						
2003	1	29	2:25 PM			6	7.54	10.05	82.9		171	17	267	257	79
2002	9	5	10:30 AM			28	7.38	5.1	64.8		211	39	330	108	98
2002	7	10	11:00 AM	174 cfs	2.01	29	6.94	2.48	33.5		64	24	99	38	34
2002	6	5	12:43 PM	196 cfs	2.14	25	6.89	3.67	45.1		58	32	91	41	44
2002	5	7	1:53 AM			22.55	7.36	6.67	80.7		86	179	134.4	136	92
2002	4	9	1:58 PM			14	7.46	8.09	77.9		90	64	141	128	62
2002	3	12				12.32		7.49	73.2		245.1	19	383	158	96

Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2002	11	5	1:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002

Year	Month	Date	Time	Periphyton Severity %	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
										Severity	Size	
2003	1	29	2:25 PM	41-60	474	Mild	Mild	Mild	Mild	Mild	Small	Pre
2002	9	5	10:30 AM	41-60	387	Mod.	Mod.	Mod.	Mod.	Mod.	Small	Pre
2002	7	10	11:00 AM	41-60	449	Serious	Serious	Serious	Serious	Serious	Small	Pre
2002	6	5	12:43 PM	61-80	521	Mod.	Mild	Mod.	Mod.	Mod.	Small	Pre
2002	5	7	1:53 AM	0	287	None	None	None	None	Mild	Small	Pre
2002	4	9	1:58 PM	41-60	417	Mod.	Mod.	Mod.	Mod.	Mild	Small	Pre
2002	3	12		0	377	None	None	None	None	None		Pre

IR WBID OK121300020010_00				OWRB WBID 121300020010-003RS						Bird Creek				
Sampling Agency: Oklahoma Water Resources Board									County: Tulsa					
Sampling Location: Latitude 36.29319126 Longitude -95.96671515 (BIR-3) (SH 11 Near Sperry)														
Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2003	9	30	1:38 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	4	7	2:19 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	5	7	1:53 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	3	12	1:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002

Year	Month	Date	Time	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2003	9	30	1:38 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	4	7	2:19 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	5	7	1:53 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	3	12	1:00 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre

IR WBID OK121300020010_10				OCC WBID OK121300-02-0010C				Bird Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.48522 Longitude -96.061 (BIR-8) (Near Avant)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	4	23	2:00 PM	131.02	15.7	7.94	9.91 R				<10	200	11.1
2018	3	12	1:45 PM	77.619	11.7	7.93	10.99 R				11	150	21.5
2018	2	5	1:15 PM	17.206	5	7.96	11.8 R				<10	180	5.59
2018	1	8	1:45 PM	20.726	4.8	7.69	13.47 R				<10	220	5.7
2017	11	27	1:30 PM	18.643	10.8	7.49	10.71 R				<10	120	5.7
2017	10	23	1:15 PM	350	17.3	7.32	8.14 R				17	180	65.8
2017	9	26	8:00 AM						<20				10.8
2017	9	18	1:45 PM	15.018	25.1	7.79	6.55 R		<20*		<10	130	9.73
2017	8	14	2:00 PM	93.812	25.3	7.48	7.29 R		40		11	120	31.2
2017	7	28	1:45 PM		32								
2017	7	10	1:15 PM	55.34	30.2	7.98	7.7 R		40		<10	130	22.3
2017	6	5	2:00 PM		21.4	7.07	8 R		40		<10	110	21.6
2017	5	1	1:30 PM	900	14.8	7.53	9.02 R				110	150	165
2017	3	27	2:00 PM	23.254	16.6	8.21	8.7 R				<10	270	6.59
2017	2	27	2:00 PM	32.466	10.8	7.99	9.4 R				<10	280	13.2
2017	2	10	12:00 PM		11								
2017	1	17	1:15 PM	450	5.6	7.94	12.11 R				16	210	35
2016	12	5	1:00 PM	17.681	8.9	7.74	9.97 R				<10	170	7.9
2016	11	7	12:45 PM	25.12	17.8	7.67	7.32 R				<10	120	17.9
2016	10	3	1:00 PM	29.334	21.8	7.67	8.25 R				<10	150	6.86
2016	8	29	1:30 PM	16.225	28.4	7.95	6.4 R		190		<10	140*	6.83

2016	7	25	2:45 PM	23.181	31.3	7.87	6.4 R		30		<10	160	9.66
2016	7	21	6:30 AM	19	30.8	8.12	6.09 R						11.8
2016	7	5	10:00 AM						50*				18.1
2016	6	20	10:30 AM	29.881	30.3	8.12	5.99 R		<10*		<10	180	13
2016	5	17	9:00 AM						>5,000				175
2013	4	15	2:00 PM	48.081	16.4	8.14	10.4 R				<10	177	10.2
2013	3	11	3:00 PM	12.907	10.7	8.36	11.77 R				<10	229	6.53
2013	2	5	4:15 PM	16.174	9.5	7.98	10.25 R				<10	163	5.4
2013	1	7	2:30 PM	14.36	5.1	7.75	11.59 R				<10	179	3.68
2012	11	26	2:15 PM	13.316	10.1	7.42	9.11 R				<10	152	5.42
2012	10	22	12:45 PM	22.018	19.8	7.82	9.61 R				<10	137	4.23
2012	9	10	1:00 PM	20.774	25.2	7.65	7.45 R		20		<10	138	10.9
2012	8	6	9:15 AM	25.015	29.2	7.41	5.46 R		5*		<10	130	11.8
2012	7	17	10:15 AM						25				
2012	7	9	11:30 AM	24.568	30.2	7.68	6.68 R		15		<10	132	10.1
2012	5	29	12:15 PM	22.86	26.5	7.59	9.1 R		<10		<10	137	10.6
2012	4	23	12:45 PM	108.52	19.3	7.82					<10	176	33.7
2012	3	19	2:00 PM	5,000	18	7.74	7.14 R				41	249	49.2
2012	2	13	2:45 PM	38.294	3.7	8.33	12.07 R				<10	221	4.08
2012	1	9	1:30 PM	8.957	7.2	8.25	11.25 R				<10	229	3.77
2011	12	6	2:00 PM	15.227	6.5	8.15	10.9 R				<10	225	6.11
2011	10	24	2:30 PM	68.113	16.9	7.85	10.24 R				<10	131	9
2011	9	19	1:30 PM	22.887	22.5	7.79	8.93 R		5*	5*	<10	153	8.96
2011	9	6	1:15 PM						35	5			13.4
2011	8	15	1:45 PM	25.172	28.5	7.58	6.82 R		10	95	<10	160	11
2011	7	11	12:45 PM	15.867	32.6	7.95	7.3 R		<5*	60*	<10	180	8.14
2011	6	6	12:45 PM	24.196	31.2	8.02	7.4 R		<5*	15*	<10	215	11.3
2011	5	24	10:30 AM	50.536	22.6	7.66	6.41 R						22.7
2008	4	28	2:30 PM	285	16.7	7.51	9.93 R		50	60	10	153	
2008	3	24	1:45 PM	179	11.2	7.74	10.86 R				24	193	68.4

2008	2	19	4:00 PM	225	5.9	7.63	12.63 R				37	257	119
2008	1	15	3:15 PM	34.372	5.1	8.01	13.2 R				10	204	20.8
2007	12	12	3:45 PM		3.8		11.62 R				25	145	54
2007	10	30	12:30 PM	42.369	14.1	7.9	9.19 R				20	174	98.9
2007	9	24	1:15 PM	47.908	26.7	7.9	7.61 R				<10	215	7.5
2007	8	20	1:15 PM	238.73	26.5	7.21	6.75 R		10	50	12	125	32.6
2007	7	16	1:15 PM	140.83	28.3	7.37	6.76 R		150	100	22	166	79.8
2007	7	9	12:45 PM						20	20			
2007	6	11	12:30 PM	98.15	25.7		6.4 R		40	40	13	167	23.4
2007	5	27	2:00 PM	22,000	19.5	7.14	6.03 R		8,600	>10,000	1,245	176	>1,000
2007	4	2	2:00 PM	543	19	7.57	8.57 R		170	120	52	180	118
2007	2	26	2:00 PM	11.36	10.8	8.17	11.19 R				<10	198	8.52
2007	1	22	2:00 PM	34.987	3.8	7.92	12.19 R				<10	222	7.72
2006	12	19	2:00 PM	7.948	8.2	7.69	10.98 R				<10	204	8.05
2006	11	13	1:15 PM	9.03	12.7	7.66	8.71 R				<10	192	4.41
2006	10	16	1:30 PM	9.138	16.6	7.73	7.76 R				<10	248	7.84
2006	9	11	1:00 PM	12.663	26.4	7.87	8.26 R		10	10	<10	182	5.96
2006	8	10	8:00 AM	2.797	30.2	7.76	4.77 R						8.15
2006	8	7	8:00 AM	2.616	29.7	7.83	5.09 R		15	10	<10	192	7.4
2006	6	23	8:00 AM	3.803	27.1	7.6	4.37 R		20	50	<10	197	8.56
2006	6	6	8:00 AM	4.753	26.2	7.5	5.2 R						18.6
2003	6	17	8:30 AM	48.528	26.3	7.84	6.41 R		20	80	16	159	48.3
2003	5	13	9:00 AM	31.581	22.4	7.82	7.05 R		<10	30	<10	172	7.7
2003	4	8	9:00 AM	204.15	12.9	7.85	9.12 RI		70	70	20*	240*	15.8
2003	3	4	8:15 AM	260.03	5.6	8.04	12.31 RI				13*	286*	14.4
2002	12	17	8:15:00	16.276	6.9	7.19	11.25 R				<10	201	5.84
2002	11	19	8:15:00	11	9.3	7.55	9.4 R				<10	169	4.38
2002	10	15	9:00:00	15.887	15.2	7.5	8.2 R		60	<20	<10	144	9.23
2002	9	10	8:45:00	16.9	26.3	7.45	4.52 RI		<10	30	<10	192	7.65
2002	8	6	8:45:00	20.489	29.7	7.68	5.47 R		10	80	<10	159	5.45

2002	7	9	8:45:00	22.854	29.3	7.93	6.44 R		50	40	<10	203	8.6
2002	5	29	8:30:00	719	20.3	6.31	7.27 R		>800	1,530	30	124	177
2002	4	23	8:45:00	8,500	18.2	7.23	6.75 R		>1,600	300	51	181.7	929
2002	3	19	8:00:00	11.981	10.9	7.44	10.18 R				<10	179	11
2002	2	12	9:00:00	23.961	5.8	7.24	11.6 R				<10	163.5	39.3
2002	1	8	8:30:00	9.604	3.8	6.89	13.03 R				11	168.5	5.77
2001	12	4	8:00:00	10.972	9.7	7.28	11.1 R				<10	147	13.9
2001	10	23	8:15:00	42.297	18.6	7.11	7.65 R		<10	20	<10	95.5	8.96
2001	9	18	8:15:00	31.664	23.4	6.95	6.68 R	170	75	55	<10	126	11.2
2001	9	10	9:30:00	17.346	24.6	7.8	6.79 RI						8.13
2001	8	14	8:30:00	15.158	28	7.24	5.43 R		<5	55	<1	155	7.39
1997	11	20	10:20:00	1									

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	4	23	2:00 PM	367.2	<0.02	<0.02		0.45*	0.031	0.007	35.3	19.5	111	111	*Exceeded hold time.
2018	3	12	1:45 PM	239.7	<0.02	0.11		0.43	0.043*	0.011	18	12.2	106	87	*Exceeded hold time.
2018	2	5	1:15 PM	319.8	<0.02	<0.02		0.38	0.028	0.009*	25.9	14.1	185	110	*Exceeded hold time.
2018	1	8	1:45 PM	348.9	<0.02	<0.02		0.37	0.019	<0.005	32.9	15.5	172	110	
2017	11	27	1:30 PM	246.3	<0.02	<0.02		0.36	0.032	0.011	21	12.3	118	88	
2017	10	23	1:15 PM	261.2	<0.02	0.21		0.73	0.1	0.04	25.8	12.9	99	71	
2017	9	26	8:00 AM												Base flow.
2017	9	18	1:45 PM	244.6	<0.02	<0.02	<0.015	0.39	0.034	0.007	14.9	9.8	95	101	*Exceeded hold time.
2017	8	14	2:00 PM	169	<0.02	0.08	0.025	0.58	0.047	0.014	11	9.4	69	68	
2017	7	28	1:45 PM												Base flow. At 2 pm it was called slightly elevated.

2017	7	10	1:15 PM	271.6	<0.02	<0.02	<0.015	0.67	0.054	0.008	21.5	11.3	108	99	
2017	6	5	2:00 PM	141.9	<0.02	0.21	<0.015	0.61	0.039	0.008	11.7	9.3	90	58	
2017	5	1	1:30 PM	195.3	<0.02	0.14		0.85	0.161	0.081	6.2	12	96	79	
2017	3	27	2:00 PM	449.2	1.83	<0.02		0.42	0.023	0.005	63.9	24.4	210	123	
2017	2	27	2:00 PM	519.4	<0.02	<0.02		0.61	0.035	0.005	80	20.6	210	132	
2017	2	10	12:00 PM												Base flow.
2017	1	17	1:15 PM	374.3	0.32	0.17		0.67	0.065	0.012	42	18.2	197	99	
2016	12	5	1:00 PM	336	0.1	0.05		0.33	0.023	0.008	33.5	14.2	182	78	
2016	11	7	12:45 PM	151.2	0.03	0.03		0.5	0.037	0.011	16.7	9.6	142	71	
2016	10	3	1:00 PM	275	0.07	<0.02		0.66	0.03	<0.005	26.5	10	114	87	
2016	8	29	1:30 PM	267.8	0.07	<0.02	<0.015	0.47	0.025	0.006	23.8	11.1	132	95	*Exceeded hold time.
2016	7	25	2:45 PM	320.7	0.03	<0.02	<0.015	0.53	0.04	0.007	25.9	13.1	120	128	
2016	7	21	6:30 AM	309.6									172	135	
2016	7	5	10:00 AM												*Exceeded hold time. Slightly elevated flow.
2016	6	20	10:30 AM	346.1	0.06	<0.02	0.015	0.4	0.033	0.008	29.6	14.1	149	118	*Exceeded hold time.
2016	5	17	9:00 AM												Elevated flow.
2013	4	15	2:00 PM	347.5	<0.02	<0.02		0.59	0.033	<0.005	37.5	19.7	121	101	
2013	3	11	3:00 PM	463.8	<0.02	<0.02		0.68	0.036	<0.005	55.8	27.1	174	127	
2013	2	5	4:15 PM	329.4	<0.02	<0.02		0.46	0.03	<0.005	23.8	17.1	136	120	
2013	1	7	2:30 PM	276.7	<0.02	<0.02		0.53	0.023	<0.005	26.5	16	156	98	
2012	11	26	2:15 PM	265.7	<0.02	<0.02		0.39	0.019	<0.005	24.7	13.4	160	77	
2012	10	22	12:45 PM	258.3	<0.02	<0.02		0.39	0.019	<0.005	25.4	12.4	81	70	
2012	9	10	1:00 PM	237.9	<0.02	<0.02	<0.015	0.53	0.031	0.008	25.8	11.1	78	67	
2012	8	6	9:15 AM	232	<0.02	<0.02	<0.015	0.56	0.03	<0.005	22.3	11.4	70	78	*Exceeded hold time.
2012	7	17	10:15 AM												Base flow.
2012	7	9	11:30 AM	241.8	<0.02	<0.02	<0.015	0.5	0.036	0.006	21.5	11.4	80	73	
2012	5	29	12:15 PM	2,883	<0.02	<0.02		0.55	0.034	<0.005	21.9	17.6	105	97	
2012	4	23	12:45 PM	165.4	<0.02	0.33		0.92	0.053	0.019	19.1	18.4	130	89	
2012	3	19	2:00 PM	422.9	<0.02	0.05		1	0.078	0.023	52.8	26.4	139	111	

2012	2	13	2:45 PM	414.1	<0.02	<0.02		0.62	0.029	<0.005	41.3	25.9	245	131	
2012	1	9	1:30 PM	403	<0.02	<0.02		0.4	0.023	<0.005	34.9	22.4	191	146	
2011	12	6	2:00 PM	414.3	<0.02	<0.02	<0.015	0.43	0.078	0.005	52.8	18.7		97	
2011	10	24	2:30 PM	210.9	<0.02	0.12	<0.015	0.56	0.017	0.005	45.3	14.4		64	
2011	9	19	1:30 PM	281.3	<0.02	<0.02	<0.015	0.61	0.029	0.006	40.8	13.1		75	*Exceeded hold time.
2011	9	6	1:15 PM												Base flow.
2011	8	15	1:45 PM	277.6	<0.02	<0.02	<0.015	1.08	0.028	0.006	35	12.2		73	
2011	7	11	12:45 PM	325.4	<0.02	<0.02	<0.015	0.59	0.032	0.005	40	13.5		85	*Exceeded hold time.
2011	6	6	12:45 PM	351.5	<0.02	<0.02	<0.015	0.54	0.042	0.007	34.9	16.7		99	*Exceeded hold time.
2011	5	24	10:30 AM	363.9										106	
2008	4	28	2:30 PM	182.9	<0.02	0.22	<0.015	<0.11	0.063	0.021	17.7	13.6	67.1	54	
2008	3	24	1:45 PM	232	<0.02	0.22	<0.015	<0.11	0.084	0.025	16.7	15.3	87.8	75	
2008	2	19	4:00 PM	340.1	<0.02	0.35	0.015	0.55	0.104	0.037	29.1	22	128.5	107	
2008	1	15	3:15 PM	380.5	<0.02	0.15	<0.015	0.16	0.045	0.01	39.4	21.8	136.7	91	
2007	12	12	3:45 PM	210	<0.02	0.39	<0.015	0.44	0.085	0.042	26.3	22.3	77.3	54	Flow was elevated.
2007	10	30	12:30 PM		0.07	0.23	<0.015	0.43	0.1	0.038	16.6	13.5	92.3	53	
2007	9	24	1:15 PM		<0.02	<0.02	<0.015	<0.11	0.037	0.007	32.9	14.8	145	122	
2007	8	20	1:15 PM		<0.02	0.16	0.042	<0.11	0.064	0.026	15.1	6	60.5	49	
2007	7	16	1:15 PM	217.4	<0.02	0.12	<0.015	0.34	0.097	0.03	7.6	10.2	90.3	83	
2007	7	9	12:45 PM												Base flow.
2007	6	11	12:30 PM	248.3	<0.02	0.06	<0.015	0.51	0.06	0.009	15.6	13.4	101.3	96	
2007	5	27	2:00 PM	121.5	<0.02	0.19	0.122	2.66	0.86	0.209	6.3	7.7	51	44	
2007	4	2	2:00 PM	218.5	<0.02	0.2	<0.015	0.7	0.127	0.046	12.6	14.2	95.5	81	
2007	2	26	2:00 PM	363.4	<0.02	<0.02	<0.015	0.27	0.032	<0.005	58.5	27	126.9	84	
2007	1	22	2:00 PM	403.7	<0.02	0.06	<0.015	0.27	0.041	0.011	46.1	25.1	144	110	
2006	12	19	2:00 PM	319.7	<0.02	<0.02	<0.015	0.26	0.043	0.009	36.8	18.2	119.5	82	
2006	11	13	1:15 PM	381	<0.02	<0.02	<0.015	0.31	0.03	<0.005	60.9	17.3	135.4	105	
2006	10	16	1:30 PM	378.3	<0.02	<0.02	<0.015	0.14	0.016	0.01	52.9	13.7	130.3	87	
2006	9	11	1:00 PM	350	<0.02	<0.02	<0.015	0.27	0.028	0.011	54.1	12.9	121.6	118	
2006	8	10	8:00 AM	343.3										80	

2006	8	7	8:00 AM	305.9	<0.02	<0.02	<0.015	0.36	0.036	<0.005	37	11.3	115.7	73	
2006	6	23	8:00 AM	373.4	<0.02	<0.02	<0.015	0.39	0.02	0.01	33.6	14.9	129.2	81	
2006	6	6	8:00 AM	341										93	
2003	6	17	8:30 AM	248.3	0.01*	0.25*	0.039	0.496	0.091	0.012	13.9*	10*	96.6	68	*Exceeded hold time.
2003	5	13	9:00 AM	279.6	0.02*	0.16*	0.028	0.442	<0.005	<0.005	21*	16*	111.8*	83	*Exceeded hold time.
2003	4	8	9:00 AM	374.7	<0.01	0.15	<0.015	0.15	0.039	<0.005	28.41	19.25	141.1	105	*Exceeded hold time.
2003	3	4	8:15 AM	598	<0.01*	0.46*	0.057	<0.11*	0.013	<0.005	76*	31.8*	191.2*	123	*Exceeded hold time.
2002	12	17	8:15:00	360.8	<0.01	0.07	<0.015	<0.11	0.024	<0.005	42.54	13.3	114.6	86	
2002	11	19	8:15:00	303.4	<0.01	0.17	0.025	0.44	0.022	0.006	33.71	12.55	101.9	58	
2002	10	15	9:00:00	239.2	<0.01	0.59	<0.015	0.362	0.024	<0.005	21.78	9.72	80.43	57	
2002	9	10	8:45:00	345.7	<0.01	<0.01	<0.015	0.438	0.059	0.012	38.46	10.59	112	75	
2002	8	6	8:45:00	288.3	<0.01	<0.01	0.141	0.529	0.032	0.019	27.74	10.84	111.7	75	
2002	7	9	8:45:00	258.7	<0.01	<0.01	0.095	0.558	0.093	<0.005	22.39	10.52	91.43	45	
2002	5	29	8:30:00	153.4	<0.01	0.59	0.091*	0.609*	0.071*	0.019*	10.91	7.61	55.5	40	*Exceeded hold time.
2002	4	23	8:45:00	190.4	<0.01	0.95	0.69	2.792	0.247	0.235	20.91	12.3	64.69	14	
2002	3	19	8:00:00	334	<0.01	0.66	0.174	0.539	0.038	<0.005	37.22	19.54	123.7	48	
2002	2	12	9:00:00	271.5	<0.01	0.86	0.209	0.652	0.058	0.045	26.13	18.42	99.28	58	
2002	1	8	8:30:00	355.5	<0.01	0.56	0.16	0.532	0.03	<0.005	28.48	18.88	139.43	105	
2001	12	4	8:00:00	280.1	0.47	0.49	0.1	0.5	0.008	0.005	24.67	13.19	105	46	
2001	10	23	8:15:00	257.2	<0.01	0.54	0.08	0.319	<0.005	<0.005	30	10.1	87	43	
2001	9	18	8:15:00	228.9	<0.01	0.48	0.308	0.858	0.041	<0.005	24	8.7	72.5	61	
2001	9	10	9:30:00	237.3										56	
2001	8	14	8:30:00	337.3	<0.01	0.48	<0.015	0.5	0.044	0.025	35.28	11.35	115.8	54	
1997	11	20	10:20:00												

IR WBID OK121300020010_10				OCC WBID OK121300020010-002RS				Bird Creek													
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa													
Sampling Location: Latitude 36.3664469 Longitude -95.98332732 (BIR-9) (SH 20, Near Skiatook)																					
Year	Month	Date	Time	Temp., Water (°C)	pH	Dissolved Oxygen		TDS mg/L	Turb. NTU	Cond. µS/cm	T. Hardness mg/L CaCO ₃	Alk. mg/L	Periphyton Severity %	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
						mg/l	Sat.												Severity	Size	
2003	9	30	10:42 AM	17.69	7.37	8.17	85	187.6	22	293.2	112	82	0	380	None	None	None	Mild	None		Pre
2003	1	29	12:17 PM	4	7.53	11.09	85.9	266	11	416	200	100	41-60	476	Mod.	Mild	Mod.	Mild	Mild	Small	Pre
2002	11	5	1:00 PM	10.95	7.33	10.51	92.2	283	20	421	81	63	0	499	None	None	None	None	None	Small	Pre
2002	9	5	11:08 AM	28	7.6	6.49	82	228	43	356	122	102	41-60	399	Serious	Serious	Serious	Serious	Serious	Small	Pre
2002	7	10	11:16 AM	31	7.39	4.15	58.2	166	94	259	98	72	41-60	434	Serious	Serious	Serious	Serious	Serious	Small	Pre
2002	6	5	12:05 PM	25	7.33	6.85	84	109	66	172	65	67	41-60	490	Serious	Serious	Serious	Extreme	Mod.	Small	Pre
2002	5	7	3:18 PM	23.02	7.54	8.96	109.4	103.6	135	161.9	105	85	0	306	None	None	None	None	None	Small	Pre
2002	4	9	2:38 PM	14	7.51	9.27	90.5	236	73	369	132	68	41-60	417	Mod.	Mod.	Serious	Serious	Serious	Medium	Pre
2002	3	12	1:00 PM	11.35		8.67	82.8	248.8	18	388.6	159	90	0	379	None	None	None	None	None	Large	Pre

IR WBID OK121300020010_10				OWRB WBID 121300020010-002RS						Bird Creek					
Sampling Agency: Oklahoma Water Resources Board								County: Tulsa							
Sampling Location: Latitude 36.3664469 Longitude -95.98332732 (BIR-9) (SH 20, Near Skiatook)															
Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l	
2003	9	30	10:42 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002	
2003	4	7	3:36 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002	
2002	11	5	1:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002	
2002	5	7	3:18 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002	
2002	3	12	1:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002	

Year	Month	Date	Time	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2003	9	30	10:42 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	4	7	3:36 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	11	5	1:00 PM	<0.048	<0.048	<0.002	<0.02	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	5	7	3:18 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	3	12	1:00 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre

IR WBID OK212300020080_00				OCC WBID OK121300-02-0080G				Candy Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.5355 Longitude -96.0493 (CAN-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	8:45 AM	19.557	8.6	8.22	10.44 R				30		33.8
2001	2	12	8:45 AM	17.461	4	6.98	12.8 R				32		66.1
2001	1	8	8:45 AM	52.898	0.3	8.27	13.61 R				18		34.6
2000	11	27	8:45 AM	0.552	4.9	7.52	11.96 RI				4		5.46
2000	10	23	9:00 AM	0.115	17.4	7.88	7.84 R				<1		2.84
2000	9	18	8:00 AM	0	19.7		6.35 PT				7		2.47
2000	8	17	8:30 AM	0.44	28	7.42	6.42 RI						6.49
2000	8	14	8:30 AM	0.182	26.7	7.51	5.89 RI	<10	<10		4		7.45
2000	7	10	8:15 AM	1.206	28.8	7.69	5.94 R	<10			8		6.27
2000	6	5	8:00 AM	36.073	24.2	7.35	5.76 RI	<100			31		18.3
2000	5	1	8:00 AM	331.44	17.2	7.08	8.32 R	7,000			168		126
2000	3	21	8:00 AM	19.592	11		10.98 R	200			15		34.4
2000	2	15	8:00 AM	1.204	6.3		11.35 R	<100			11.5		11.4
2000	1	11	8:00 AM	0	4.8		9.42 PT	<100			8		15.6
1999	12	7	11:00 AM	0				3,600					
1999	11	2	9:00 AM	0				<100					
1999	9	28	12:15 PM	0				600					
1999	8	17	7:30 AM	0				<100					
1999	7	13	1:25 PM	0									
1999	6	15	1:05 PM	0				100					
1999	5	18	4:10 PM					3,800					
1999	4	20	2:50 PM	0				17,200					
1999	2	25	9:45 AM	0									

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ / NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	19	8:45 AM	205.5			0.18	<0.05	0.31	0.048	0.026	14.3	38.3	69.5	33	
2001	2	12	8:45 AM	100.3			0.28	<0.05	0.52	0.093	0.06	11	38.1	53.7	31	
2001	1	8	8:45 AM	134.6			0.63	0.05	0.47	0.058	0.029	37.9	48.4	115	38	
2000	11	27	8:45 AM	208			<0.05	<0.05	0.26	0.02	0.008	29.9	63.5	142	57	
2000	10	23	9:00 AM	365.2			0.2	<0.05	0.32	0.021	0.005	77.5	24.6	153	70	
2000	9	18	8:00 AM	1,090			<0.05	0.11	0.5	0.017	0.008	272	24.8	287	73	
2000	8	17	8:30 AM	288.7											55	DO was 5.94 at PT.
2000	8	14	8:30 AM	340.5			0.09	<0.05		0.03	0.008	14.9	21.3	83.9	53	
2000	7	10	8:15 AM	320.9			<0.05	<0.05	0.45	0.025	0.006	25.2	23.1	88	67	
2000	6	5	8:00 AM	967	<0.005	0.073		<0.011	0.5	0.096	0.005	27	35.3	104	117	
2000	5	1	8:00 AM	144.7	0.019	0.21		<0.01	1.28	0.186	<0.001	15	<0.9	56	25	
2000	3	21	8:00 AM	200	<0.004	<0.01		<0.016	0.42	0.054	<0.003	20	47	114	55	DO was 11.15 in a RI.
2000	2	15	8:00 AM	458	<0.001	0.024		0.031	0.15	0.028	<0.005	47	57.6	160	80	DO was 11.41 in a RI.
2000	1	11	8:00 AM	310	<0.005	0.051		<0.01	<0.1	0.023	<0.002	33	46.4	134	78	DO was 9.38 at PB.
1999	12	7	11:00 AM													
1999	11	2	9:00 AM													
1999	9	28	12:15 PM													
1999	8	17	7:30 AM													
1999	7	13	1:25 PM													
1999	6	15	1:05 PM													
1999	5	18	4:10 PM													High flow.
1999	4	20	2:50 PM													
1999	2	25	9:45 AM													

IR WBID OK212300020080_00				OCC WBID OK121300-02-0080E				Candy Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.5275 Longitude -96.0493 (CAN-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	8:45 AM	19.557	8.6	8.22	10.44 R				30		33.8
2001	2	12	8:45 AM	17.461	4	6.98	12.8 R				32		66.1
2001	1	8	8:45 AM	52.898	0.3	8.27	13.61 R				18		34.6
2000	11	27	8:45 AM	0.552	4.9	7.52	11.96 RI				4		5.46
2000	10	23	9:00 AM	0.115	17.4	7.88	7.84 R				<1		2.84
2000	9	18	8:00 AM	0	19.7		6.35 PT				7		2.47
2000	10	16	9:00 AM	0.043	17.8	7.82	7.47 R						30.9
2000	8	17	11:45 AM	0.44	28	7.48	6.42 RI						7.01

Year	Month	Date	Time	Cond. µS/cm	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	19	8:45 AM	205.5	0.18	<0.05	0.31	0.048	0.026	14.3	38.3	69.5	33	
2001	2	12	8:45 AM	100.3	0.28	<0.05	0.52	0.093	0.06	11	38.1	53.7	31	
2001	1	8	8:45 AM	134.6	0.63	0.05	0.47	0.058	0.029	37.9	48.4	115	38	
2000	11	27	8:45 AM	208	<0.05	<0.05	0.26	0.02	0.008	29.9	63.5	142	57	
2000	10	23	9:00 AM	365.2	0.2	<0.05	0.32	0.021	0.005	77.5	24.6	153	70	
2000	9	18	8:00 AM	1,090	<0.05	0.11	0.5	0.017	0.008	272	24.8	287	73	
2000	10	16	9:00 AM	410									57	
2000	8	17	11:45 AM	290									50	DO was 5.82 at PT.

IR WBID OK121300030010_00				OCC WBID OK121300-03-0010A				Bird Creek					
Sampling Agency: Oklahoma Conservation Commission							County: Osage						
Sampling Location: Latitude 36.5354 Longitude -96.1496 (BIR-10) (Near Barnsdall)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	9:45 AM	283.2	9.7	8.2	9.7 R				74		50.2
2001	2	12	9:45 AM	106.19	5.7	7.34	11.45 R	<10	10	30	56		76.4
2001	1	8	10:00 AM	134.12	1.3	7.81	12.43 R				2		12.7
2000	11	27	9:30 AM	15.794	6.9	7.19	9.84 R				15		12.4
2000	10	23	9:30 AM	27.72	18.1	7.76	7.87 PT				16		16
2000	9	18	8:50 AM	20.414	22.8		6.18 R				20		13.5
2000	8	18	8:30 AM	22.142	27.5	7.6	5.98 R						10.4
2000	8	14	9:30 AM	19.516	27.6	7.56	5.82 R	20	10		4		13.8
2000	7	10	9:00 AM	34.486	29.4	8.03	6.69 R	30			10		7.26
2000	6	5	9:00 AM	156.99	23.8	7.43	5.53 R	100			28		34.3
2000	5	1	9:45 AM		17.8	7.24	8.72 R	9,500			200		230
2000	3	21	9:15 AM		9.6		11.48 R	700			32		43.8
2000	2	15	9:15 AM	18.845	7.4		12.32 R	<100			8.5		8.53
2000	1	11	9:00 AM	15.815	5.1		10.48 R	<100			9		12.7
1999	12	7	11:30 AM					6,000					
1999	11	2	9:35 AM	32.529				600					
1999	9	28	12:55 PM					600					
1999	8	17	8:30 AM	8.935				<100					
1999	8	11	4:45 PM	2									
1999	8	9	3:00 PM	8.5									
1999	6	15	12:30 PM					100					

1999	5	18	2:50 PM					4,000							
1999	4	20	1:30 PM	22.191											
1999	2	25	9:00 AM	14											
1997	12	17	1:30 PM	3.46											

Year	Month	Date	Time	Cond. $\mu\text{S}/\text{cm}$	NO_2^- mg/L	NO_3^- mg/L	$\text{NO}_3^-/\text{NO}_2^-$ mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2001	3	19	9:45 AM	308.6			0.31	<0.05	0.53	0.075	0.046	25	30.4	121	100	
2001	2	12	9:45 AM	351			0.44	0.11	0.42	0.125	0.086	29.4	31.5	133	95	
2001	1	8	10:00 AM	303			0.16	0.08	0.52	0.055	0.012	89.9	20.7	195	112	
2000	11	27	9:30 AM	123.4			0.28	<0.05	0.34	0.042	0.009	13.3	11.2	49.5	43	
2000	10	23	9:30 AM	172.3			0.25	<0.05	0.43	0.029	0.013	21	7.1	65.9	37	
2000	9	18	8:50 AM	209.6			0.11	0.2	0.52	0.02	0.015	19.1	9.5	70.4	50	
2000	8	18	8:30 AM	318.5											78	DO at PT was 5.84 and at PB was 5.97.
2000	8	14	9:30 AM	259.5			0.05	<0.05	0.5	0.061	0.012	20.8	13.9	77.2	80	
2000	7	10	9:00 AM	323.8			<0.05	0.07	0.36	0.04	<0.005	18.6	12.2	122	152	
2000	6	5	9:00 AM	670	0.007	0.14		<0.034	0.59	0.103	0.009	19	6.6	94	62	
2000	5	1	9:45 AM	162.8	0.028	0.25		<0.01	1.19	0.238	0.015	15	<0.4	62	59	Flow is elevated.
2000	3	21	9:15 AM	306	<0.005	0.131		<0.028	0.73	0.081	0.009	17	8.82	132	127	High flow.
2000	2	15	9:15 AM	557	<0.002	0.099		<0.008	0.21	0.03	<0.005	41	24	134	202	DO was 12.41 in a RI.
2000	1	11	9:00 AM	314	<0.002	0.094		<0.01	<0.1	0.032	<0.002	28	19.6	128	78	DO was 10.7 in a RI.
1999	12	7	11:30 AM													Elevated flow.
1999	11	2	9:35 AM													

1999	9	28	12:55 PM													Slightly elevated flow.
1999	8	17	8:30 AM													
1999	8	11	4:45 PM													
1999	8	9	3:00 PM													
1999	6	15	12:30 PM													High flow.
1999	5	18	2:50 PM													High flow.
1999	4	20	1:30 PM													
1999	2	25	9:00 AM													
1997	12	17	1:30 PM													

IR WBID OK121300030200_00					OCC WBID OK121300-03-0200C					Clear Creek			
Sampling Agency: Oklahoma Conservation Commission										County: Osage			
Sampling Location: Latitude 36.66628 Longitude -96.34927 (CLE-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	4:45 PM	23.667	10.8	8.38	11.07 R	30	<10	120	22		25.9
2001	2	12	5:30 PM	24.321	5.4	8.26	11.13 R	16,000	6,131	2,000	62		108
2001	1	9	7:15 AM	28.433	1.7	7.42	15.3 R				9		8
2000	11	27	4:30 PM	2.103	8.2	7.87	11.48 R	<10	<10	<10	4		2.74
2000	10	23	4:30 AM	3.146	20.6	8.1	8.98 R	110	143	100	<1		2.74
2000	9	18	4:15 PM	0.788	27.1		12.84 RI	120	31	50	6		1.84
2000	8	14	4:30 AM	0.906	33.6	6.8	10.77 RI	10	20		2		2.21
2000	7	10	3:00 PM	4.995	32	8.24	8.37 R	70			2		4.6
2000	6	5	4:15 AM	9.945	27.2	8.35	8.23 RI	<100					12.4
2000	5	2	6:45 AM	64.154	17.8	7.89	7.79 R	4,800			32		38.6
2000	3	20	12:50 PM	58.302	10.2		11.43 R	400			22		31.6
2000	2	14	12:30 PM	3.91	5.9		12.77 R	<100			1.5		4.89

2000	1	10	12:30 PM	5.313	5.8		11.81 R	<100			2		3.97
1999	12	6	3:10 PM	40.143				9,000					
1999	11	1	2:35 PM	12.367				<100					
1999	9	27	4:00 PM	13.536				600					
1999	8	16	3:15 PM	0				900					
1999	7	12	5:30 PM	10.035				200					
1999	6	14	5:30 PM	6.953				<100					
1999	5	18	7:30 AM	37.817				1,700					
1999	4	19	6:15 PM					400					
1999	2	24	8:30 AM	20									
1998	9	2	3:00 PM	0.927									
1997	11	17	2:30 PM	2.41									

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	19	4:45 PM	295.5			0.22	<0.05	0.36	0.034	0.02	30	31.6	179	168	
2001	2	12	5:30 PM	355.5			0.39	0.08	0.47	0.104	0.103	15.6	42.4	158	135	
2001	1	9	7:15 AM	635			0.26	<0.05	0.24	0.029	0.006	237	17.9	531	190	
2000	11	27	4:30 PM	382.5			<0.05	<0.05	0.14	0.027	<0.005	80.3	19	209	154	
2000	10	23	4:30 AM	367.4			<0.05	<0.05	0.36	0.011	0.006	22.9	16.1	176	118	
2000	9	18	4:15 PM	460.2			<0.05	0.1	0.21	0.009	<0.005	43	17.6	181	123	
2000	8	14	4:30 AM	557			<0.05	<0.05	0.27	0.016	<0.005	50.4	17	187	125	
2000	7	10	3:00 PM	546			<0.05	0.14	0.27	0.038	<0.005	27.5	15.2	194	181	
2000	6	5	4:15 AM	466.5					0.31						162	
2000	5	2	6:45 AM	383.2	0.007	<0.01		<0.01	0.59	0.066	<0.005	26	<0.03	164	139	
2000	3	20	12:50 PM	380	<0.004	<0.01		<0.017	0.44	0.054	<0.002	25	7.11	166	176	DO was 11.67 in a RI.

2000	2	14	12:30 PM	717	<0.001	<0.026		0.031	<0.1	0.012	<0.001	75	31.9	280	206	DO was 12.81 in a RI.
2000	1	10	12:30 PM	678	<0.005	0.052		<0.01	0.24	0.013	<0.002	72	24.8	278	171	DO was 12.28 in a RI.
1999	12	6	3:10 PM													
1999	11	1	2:35 PM													
1999	9	27	4:00 PM													
1999	8	16	3:15 PM													
1999	7	12	5:30 PM													
1999	6	14	5:30 PM													
1999	5	18	7:30 AM													
1999	4	19	6:15 PM													
1999	2	24	8:30 AM													
1998	9	2	3:00 PM													
1997	11	17	2:30 PM													

IR WBID OK121300030320_00				OCC WBID OK121300-03-0320M				North Bird Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.756 Longitude -96.39973 (NBI-11)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	20	7:30 AM	16.562	8.2	8.17	11.41 R	500	305	300	10		36.6
2001	2	13	7:30 AM	20.75	4.5	7.75	11.35 R	600	373	1,900	48		137
2001	1	9	8:45 AM	0.184	0.9	7.33	11.6 R	50	86	20,000	5		4.1
2000	11	28	7:15 AM	0	5.1	7.89	10.28 PT	100	63	<10	15		14.3
2000	10	24	7:30 AM	0	18.4	7.36	1.93 PT	1,000	2,489	9,000	50		69.1
2000	9	19	7:30 AM	0	19.8		6.21 PT	700	52	400	58		28.6
2000	8	15	7:00 AM	0	25.8		6.14 R	110	10		2		14.5
2000	7	11	1:30 PM	1.409	29.8	7.96	6.56 R	400			7		9.5
2000	6	6	7:00 AM	1.349	21.4	7.99	6.33 RI	<100			29		15.6

2000	5	2	8:00 AM	19.194	18.3	7.99	7.64 R	2,400			46		50.8
2000	3	20	2:25 PM		1.02		11.29 R	100			17		23.7
2000	2	14	1:35 PM	3.418	5.7		11.31 R	<100			5.5		8.19
2000	1	10	1:30 PM	5.133	5.7		11.9 R	<100			14		7.09
1999	12	6	4:15 PM					1,700					
1999	11	1	4:30 PM	7.325				800					
1999	8	28	8:00 AM	4.661				300					
1999	8	16	3:15 PM	0				<100					
1999	8	9	12:30 PM	0.25									
1999	7	13	8:00 AM	12.028				200					
1999	6	15	5:05 PM	4.335				<100					
1999	5	18	9:00 AM	27.336				2,100					
1999	4	20	8:46 AM	1.768				3,200					
1999	2	24	9:45 AM	6									
1997	12	16	10:30 AM	13.6									

Year	Month	Date	Time	Cond. $\mu\text{S}/\text{cm}$	NO_2^- mg/L	NO_3^- mg/L	$\text{NO}_3^-/\text{NO}_2^-$ mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	3	20	7:30 AM	365			0.26	<0.05	0.34	0.064	0.044	6.4	32.2	158	142	
2001	2	13	7:30 AM	218			0.71	0.07	0.56	0.122	0.12	5.4	43.6	121	100	
2001	1	9	8:45 AM	239.6			0.08	<0.05	0.33	0.036	0.009	7.7	15.5	242	162	
2000	11	28	7:15 AM	315.6			<0.05	<0.05	0.12	0.043	0.011	10.1	28.2	243	211	
2000	10	24	7:30 AM	348			<0.05	<0.05	0.56	0.089	0.051	11.9	24.6	171	131	
2000	9	19	7:30 AM	366.5			0.05	0.12	0.35	0.062	0.028	13.7	21.4	170	130	
2000	8	15	7:00 AM	385.3			<0.05	<0.05	0.25	0.03	0.009	6.8	19.9	216	178	
2000	7	11	1:30 PM	518			0.05	<0.05	0.11	0.024	0.005	6.5	19.7	219	269	

2000	6	6	7:00 AM	378.6	<0.005	<0.034		<0.006	0.32	0.084	<0.004	12	24.3	196	205	
2000	5	2	8:00 AM	437.2	<0.004	<0.01		<0.01	0.42	0.07	<0.005	26	31.4	182	137	
2000	3	20	2:25 PM	389	<0.002	<0.002		<0.018	0.33	0.043	0.009	13	40.4	186	152	Elevated flow. DO was 11.35 in a RI.
2000	2	14	1:35 PM	5.78	<0.001	<0.01		0.026	<0.1	0.015	<0.005	30	45.4	260	186	DO was 11.64 in a RI.
2000	1	10	1:30 PM	587	<0.005	<0.019		<0.039	<0.1	0.017	<0.002	31	34.5	267	192	DO was 12.21 in a RI.
1999	12	6	4:15 PM													
1999	11	1	4:30 PM													
1999	8	28	8:00 AM													
1999	8	16	3:15 PM													
1999	8	9	12:30 PM													
1999	7	13	8:00 AM													Fecal Streptococcus Group was 2,200 cfu/100ml.
1999	6	15	5:05 PM													
1999	5	18	9:00 AM													
1999	4	20	8:46 AM													
1999	2	24	9:45 AM													
1997	12	16	10:30 AM													

IR WBID OK121300040010_00				OCC WBID OK121300-04-0010C				Hominy Creek					
Sampling Agency: Oklahoma Conservation Commission							County: Tulsa						
Sampling Location: Latitude 36.30778 Longitude -95.974 HOM-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2008	4	29	8:00 AM	2,156	13.8	7.5	9.43 R		20	<10	82	169	46.2
2008	3	25	8:15 AM	521	8.9	7.2	11.65 R				44	168	29.6

2008	2	20	8:00 AM	31.9	6.3	7.11	10.97 R				16	230	58.9
2008	1	16	8:15 AM	17.35	4.8	7.57	13.26 R				<10	220	14.7
2008	1	14	10:00 AM										
2007	12	11	9:00 AM	54	3.5	7.57	123.57 R				49	158	76.2
2007	10	30	2:00 AM	34.721	16	7.77	9.06 R				12	175	22.9
2007	9	25	8:15 AM	267.53	25	7.43	6.92 R				21	141	24.9
2007	8	23	8:15 AM										
2007	8	21	8:15 AM	7.064	27.1	7.27	3.88 R		30	40	12	408	9.6
2007	7	17	8:30 AM	0	27.5	6.43	3.44 PT		200	160	28	299	44.4
2007	7	9	1:30 PM						120	20			
2007	6	11	2:00 PM	114.76	24.5	6.8 R	6.8 R		340	880	50	184	40.8
2007	5	8	8:30 AM	14,000	19.4	6.75	6.4 PT		>2,000	>2,000	42	135	130
2007	4	3	8:00 AM	40.328	19.9	7.17	6.15 RI		250	660	22	209	43.3
2007	2	27	9:00 AM	47.544	7.4	7.45	10.95 R				<10	186	8.64
2007	2	6	9:15 AM										
2007	1	23	9:00 AM	91.305	2	7.85	12.42 R				17	186	35.1
2006	12	20	9:00 AM	76.785	9.1	7.41	10.18 R				46	218	89.4
2006	11	14	8:00 AM	56.489	11.6	7.37	8.35 R				19	162	9.75
2006	10	17	8:00 AM	66.026	18.3	7.62	7.87 R				28	208	17.9
2006	9	12	8:00 AM	154.43	24.9	7.8	6.74 RI		30	55	44	150	22.5
2006	8	8	2:45 PM	155.82	29.4	7.83	7.47 R		15	30	35	193	20.5
2006	7	25	7:30 AM	147.94	27.4	7.79	6.34 RI						31
2006	7	6	2:15 PM										
2006	6	13	8:00 AM	187.93	23.4		7.26 R		70	150	51	159	51.2
2003	6	16	9:15 AM	97.521	24.4	7.46	6.2 R		20	180	55	137	33.2
2003	5	12	9:30 AM	109.13	19.3	7.65	7.3 R		40	170	44	141	27.6
2003	4	7	9:30 AM	73.371	10.5	7.2	9.41 R		40	100	32*	179*	18.3
2003	3	3	9:30 AM	45.571	4.5	7.27	12.05 RI				20*	146*	19.9
2003	1	27	10:00 AM	52.87	2.3	8.24	10.19 R				27	171	11.5

2002	12	16	9:30 AM	46.944	7.9	7.68	12.79 RI					<10	133	12.7
2002	11	18	9:00 AM	65.443	11.4	7.63	9.28 RI					<10	195	10.7
2002	10	14	9:15 AM	184.93	17	7.82	8.31 RI		140	60		18	181	8.62
2002	9	9	9:30 AM	170.73	26.3	7.79	6.52 RI		30	70		46	147	20.2
2002	8	5	8:30 AM	150.83	29.2	7.83	5.85 RI		40	80		49	131	14.5
2002	7	16	2:30 PM											
2002	7	8	8:30 AM	151.82	27.8	9.17	6.15 RI		80	90		<10	145	22.9
2002	5	29	1:30 PM	129.28	20.5	6.19	7.33 R					19	193	287
2002	4	22	9:00 AM	131.17	16.7	7.9	7.84 RI		40	110		47	158.5	24
2002	3	18	8:30 AM	41.138	8.5	7.32	10.97 RI					17	176.5	11.5
2002	2	11	9:00 AM	8.344	4.4	7.35	10.49 RI					31	272.5	38.4
2002	2	4	8:30 AM											
2002	1	7	9:00 AM	41.003	3.9	7.56	12.5 RI					18	172.5	14.6
2001	12	3	8:00 AM	64.858	11.7	7.49	9.59 RI					31	155.5	23.8
2001	10	22	8:45 AM	66.961	19	7.17	7.35 R		100	30		24	149.5	12.1
2001	9	17	8:30 AM	148.27	24.2	7.65	6.97 RI	80	70	50		33	123	18.6
2001	9	11	9:00 AM	145.04	23.3	8.11	6.93 R							19.8
2001	8	13	9:30 AM	101.45	28.7	7.28	5.03 R		80	50		28	148	17.4

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2008	4	29	8:00 AM	252.2	<0.02	0.22	<0.015	<0.11	0.061	0.024	26.7	12.9	85.3	70	
2008	3	25	8:15 AM	270.6	0.08	0.18	0.018	<0.11	0.022	0.017	25	12.9	88.3	80	
2008	2	20	8:00 AM	307.8	<0.02	0.3	0.465	1.21	0.239	0.129	32.7	25.7	98.2	73	
2008	1	16	8:15 AM	434.4	<0.02	0.18	0.225	0.13	0.086	0.057	64.6	18.9	136.4	84	
2008	1	14	10:00 AM												Base flow.
2007	12	11	9:00 AM	125.7	<0.02	0.55	0.031	0.69	0.486	0.324	19.8	19.2	78.8	66	

2007	10	30	2:00 AM		0.11	0.2	0.021	0.49	0.08	0.059	37.7	12.4	103.5	54	
2007	9	25	8:15 AM		<0.02	0.09	<0.015	<0.11	0.051	0.028	28.4	12	88.5	63	
2007	8	23	8:15 AM												Base flow.
2007	8	21	8:15 AM		<0.02	0.25	0.066	0.46	0.081	0.051	104	19.1	167.5	97	
2007	7	17	8:30 AM	471.5	0.05	0.3	0.132	0.81	0.198	0.115	58.6	17.3	130	85	
2007	7	9	1:30 PM												Flow slightly elevated.
2007	6	11	2:00 PM	299.2	<0.02	0.23	<0.015	0.41	0.109	0.034	37.1	15.2	97.1	80	
2007	5	8	8:30 AM	118.3	<0.02	0.12	0.03	0.88	0.225	0.146	5.1	7.2	49	42	
2007	4	3	8:00 AM	312.3	0.06	0.24	0.426	1.04	0.182	0.106	32.7	25.1	109	80	
2007	2	27	9:00 AM	352.4	<0.02	0.21	0.157	0.36	0.072	0.039	51	17	117.3	64	
2007	2	6	9:15 AM												Base flow.
2007	1	23	9:00 AM	320	<0.02	0.26	0.274	0.69	0.156	0.1	32.7	23	106	74	
2006	12	20	9:00 AM	323.6	<0.02	0.22	0.126	<0.11	0.084	0.055	41.9	14.3	105.4	82	
2006	11	14	8:00 AM	332.7	<0.02	0.16	0.045	0.25	0.043	0.031	46.9	14.6	112.9	70	
2006	10	17	8:00 AM	326.8	0.08	0.2	0.039	<0.11	0.067	0.055	41	13.6	109.1	67	
2006	9	12	8:00 AM	319.6	<0.02	0.05	0.018	0.16	0.054	0.029	39.8	14.4	104.6	49	
2006	8	8	2:45 PM	311.1	<0.02	0.06	<0.015	0.38	0.032	0.007	38.3	12.3	105.7	61	
2006	7	25	7:30 AM	313.8										75	
2006	7	6	2:15 PM												Base flow.
2006	6	13	8:00 AM	298.1	<0.02	0.05	<0.015	0.38	0.031	0.014	78.8	16.6	104.4	76	
2003	6	16	9:15 AM	304.6	0.01*	0.19*	0.053	0.444	0.105	0.045	37.8*	13.8*	94.4	54	*Exceeded hold time.
2003	5	12	9:30 AM	270.4	0.02*	0.26*	0.061	0.459			36.4*	13.3*	95.8*	67	*Exceeded hold time.
2003	4	7	9:30 AM	319	<0.01	0.25	0.031	0.294	0.055	0.02	38.1	14.04	96.38	66	*Exceeded hold time.
2003	3	3	9:30 AM	359.8	<0.01*	1.06*	0.53	0.774*			41.8*	17.2*	105.6*	71	*Exceeded hold time.
2003	1	27	10:00 AM	334.8	<0.01	0.43	0.153	0.16	0.783	0.026	43.1	13.9	104.4	66	
2002	12	16	9:30 AM	336.8	<0.01	0.38	0.041	<0.11	0.048	0.021	43.59	18.8	128.9	73	
2002	11	18	9:00 AM	305.8	<0.01	0.21	0.025	0.147	0.03	0.03	38.97	12.63	96.77	64	
2002	10	14	9:15 AM	280.9	<0.01	0.57	0.022	0.158	0.04	<0.005	33.12	11.28	90.33	69	
2002	9	9	9:30 AM	278	<0.01	0.46	0.163	0.364	0.024	0.012	33.12	11.36	86.98	55	
2002	8	5	8:30 AM	276.9	<0.01	0.09	0.134	0.388	0.041	0.013	33.58	12.41	88.91	16	

2002	7	16	2:30 PM												Flow was elevated.
2002	7	8	8:30 AM	275.3	<0.01	0.52	0.133	0.485	0.094	0.022	33.72	11.94	86.96	37	
2002	5	29	1:30 PM	207.2	<0.01	0.68	0.117*	0.11*	0.138*	0.087*	12.07	15.28	80.49	58	*Exceeded hold time.
2002	4	22	9:00 AM	278	<0.01	0.67	0.134	0.506	0.104	0.037	32.38	14.14	89.84	49	
2002	3	18	8:30 AM	317.6	<0.01	0.75	0.263	0.558	0.07	0.05	43.82	12.74	109.7	40	
2002	2	11	9:00 AM	465.2	<0.01	1.71	1.077		0.283	0.184	66.1	30.14	143.4	70	
2002	2	4	8:30 AM												Flow slightly elevated.
2002	1	7	9:00 AM	312.2	<0.01	0.7	0.406	1.131	0.094	0.042	41.86	11.99	98.89	63.8	
2001	12	3	8:00 AM	286.5	<0.01	0.66	0.072	0.315	0.054	0.045	37.63	11.17	96.49	28	
2001	10	22	8:45 AM	281.2	<0.01	0.59	0.23	0.541	0.03	0.012	36.9	10.5	94.4	45	
2001	9	17	8:30 AM	260.7	<0.01	0.49	0.108	0.392	0.079	0.013	31.4	10.7	82	51	
2001	9	11	9:00 AM	263.8										61	DO was 6.94 in a RI.
2001	8	13	9:30 AM	257.5	<0.01	0.49	<0.015	0.38	0.052	0.04	32.9	11.16	82.5	29	

IR WBID OK121300040030_00				OCC WBID OK121300-04-0030J				Quapaw Creek					
Sampling Agency: Oklahoma Conservation Commission - Blue Thumb							County: Osage						
Sampling Location: Latitude 36.3675583 Longitude -96.0694 (QUA-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2013	3	14	9:00 AM		9								Low flow.
2006	1	5	2:00 PM	0.71									
2005	7	11	11:00 AM	0.465	26								
2005	1	20	12:00 PM	8.1									
2004	1	22	12:45 PM	9.28									

IR WBID OK121300040280_00				OCC WBID OK121300-04-0280M				Hominy Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.47448 Longitude -96.37622 (HOM-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	11:00 AM	33.131	9.4	8.18	11.54 R	200	30	220	60		22.3
2001	2	12	11:15 AM	42.022	4.7	7.87	12.32 R	4,100	9,208	3,000	44		76.6
2001	1	8	11:45 AM	104.79	1	8.36	12.94 R	150	733	43,000	52		49.4
2000	11	27	10:45 AM	4.276	6.2	7.95	13.2 R				6		6.63
2000	10	23	11:00 AM	7.021	19	7.8	8.82 R				32		46.6
2000	9	18	10:30 AM	0.408	21.2		9.5 R				3		1.51
2000	8	14	11:00 AM	1.552	29.9	8.46	14.6 R	210	41		2		2.69
2000	7	10	10:15 AM	12.053	29.1	8.12	8.64 R	240			4		5.89
2000	6	5	10:30 AM	37.616	23.8	7.7	7.16 R	100			70		40.8
2000	5	1	11:15 AM		17.6	7.57	8.28 R	11,000			235		249
2000	3	20	12:30 PM	131.53				700			35		
2000	2	15	10:00 AM	1.93	6.6	8.29	12.74 R	100			5.5		5.32
2000	1	11	12:00 PM	11.407	5.5	8.45	13.54 R	800			8		6.48
1999	12	6	9:30 AM	14.189				6,000					
1999	11	1	8:30 AM	4.666				<100					
1999	9	27	9:15 AM	2.627				300					
1999	8	16	9:15 AM	0				200					
1999	7	12	9:00 AM	3.326									
1999	6	14	10:00 AM	19.582				1,200					
1999	5	17	12:00 PM	44.876				6,000					
1999	4	19	9:30 AM	17.954				3,600					

1999	2	23	2:15 PM	5											
1998	9	17	9:30 AM	0.891											
1997	11	19	2:00 PM	1.15											

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	3	19	11:00 AM	440			0.2	<0.05	0.3	0.047	0.005	97.2	37	189	129	
2001	2	12	11:15 AM	531			0.31	0.05	0.47	0.138	0.084	91	41.3	166	89	
2001	1	8	11:45 AM	456			0.72	0.14	0.64	0.15	0.089	176	48.9	281	128	
2000	11	27	10:45 AM	598			0.52	<0.05	0.36	0.106	0.066	217	31.2	270	141	
2000	10	23	11:00 AM	787			0.4	<0.05	0.63	0.121	0.049	203	24.4	283	93	
2000	9	18	10:30 AM	1,472			6.47	0.14	0.59	1.33	1.267	419	25.6	435	106	
2000	8	14	11:00 AM	1,457			1.45	<0.05	0.47	0.531	0.418	289	26.9	436	139	
2000	7	10	10:15 AM	893			0.35	0.05	0.18	0.108	0.062	145	23.9	269	214	
2000	6	5	10:30 AM	1,047	0.007	0.179		<0.013	0.34	0.126	0.019	97	35.4	244	186	
2000	5	1	11:15 AM	270.4	0.01	0.25		<0.01	1.25	0.239	0.014	27	0.22	112	98	Flow is elevated.
2000	3	20	12:30 PM		<0.004	0.16		<0.034	0.63	0.074	0.006	50	11.5	144		
2000	2	15	10:00 AM	1,101	<0.003	0.33		0.03	0.4	0.065	0.037	235	46.6	360		
2000	1	11	12:00 PM	525	<0.005	0.067		<0.032	0.32	0.024	<0.003	140	58.4	310	174	
1999	12	6	9:30 AM													
1999	11	1	8:30 AM													
1999	9	27	9:15 AM													
1999	8	16	9:15 AM													
1999	7	12	9:00 AM													
1999	6	14	10:00 AM													
1999	5	17	12:00 PM													

1999	4	19	9:30 AM												
1999	2	23	2:15 PM												
1998	9	17	9:30 AM												
1997	11	19	2:00 PM												

IR WBID OK121300040280_00				OCC WBID OK121300-04-0280G				Hominy Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.481 Longitude -96.398 (HOM-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	4	23	9:00 AM	41.018	13.1	8.13	10.04 R				22	520	24.8
2018	3	12	9:00 AM	5.363	9.3	7.26	11.28 R				<10	480	12.4
2018	2	5	9:00 AM	0.2	0.8	6.59	15.92 R				<10	1,100	2.24
2018	1	8	9:00 AM	1.939	1.3	6.87	12.1 R				<10	880	2.25
2017	11	27	8:45 AM	1.31	7.8	7.12	11.9 R				<10	530	2.39
2017	10	17	8:45 AM	80	14.4	6.74	8.44 R				69	210	169
2017	9	26	3:00 PM						320				7.16
2017	9	18	8:45 AM	2.027	22.1	7.11	6.27 R		180*		<10	560	8.39
2017	8	14	8:45 AM	3.37	25.2	7.45	6.5 R		120*		10	200	39.6
2017	7	10	8:30 AM	11.447	26.5	7.6	6.44 R		540*		52	310	167
2017	6	5	8:30 AM	4.543	24.2	7.98	7.26 R		140*		<10	680	6.95
2017	5	1	9:00 AM	400	12.1	7.02	10.52 R				34	200	72.5
2017	3	27	9:15 AM	2.333	14.5	7.3	8.52 R				<10	660	2.64
2017	2	27	9:15 AM	6.448	8	7.45	12.53 R				<10	440	23.1
2017	1	17	9:00 AM	60.047	5.2	7.76	17.18 R				18	330	55.9
2016	12	5	7:30 AM	1.087	6	6.96	11.8 R				<10	580	2.65
2016	11	7	7:30 AM	0.629	15.6	7.12	7.7 R				<10	460	2.7
2016	10	3	8:15 AM	0.1	17.8	7.12	7.25 R				<10	880	2.62

2016	8	29	9:15 AM	0.124	25.8	7.09	6.57 R		5*		<10	670*	5.88
2016	7	25	9:15 AM	0.4	29.3	7.84	6.2 R		335*		<10	600	276
2016	7	5	4:30 PM						250				45.6
2016	6	20	3:00 PM	5.805	34.2	8.2	8.96 R		90		<10	620	12.6
2016	6	6	8:00 AM	5.89	22.3	7.84	7.8 R						71
2016	5	17	4:45 PM						>5,000				239
2013	4	15	8:00 AM	3.301	15.9	8.01	7.93 R				10	680	21.2
2013	3	11	8:30 AM	1.158	5	8.07	10.68 R				<10	893	11.1
2013	2	5	7:30 AM		4.8	7.51	11.25 R				<10	1,776	13.2
2013	1	16	9:30 AM										
2013	1	7	4:48 AM	8:30	1.1	7.83	13.87 R				<10	1,367	2.84
2012	11	26	8:15 AM	<0.1	6.6	7.26	9.91 R				<10	1,216	1.57
2012	10	22	7:30 AM		19.2	6.68	4.28 R				<10	1,106	2.53
2012	9	10	7:45 AM		19.8	7.02	5.28 PT		5*		<10	1,505	2.86
2012	8	6	1:45 PM	0	30.6	7.1	9.32 PT		5		<10	921	7.53
2012	7	17	7:30 AM	0					125				
2012	7	9	7:30 AM	0.2	26.5	7.66	4.88 R		1,280*		<10	641	5.77
2012	5	29	7:30 AM	0.655	23.5	8.13	7.84 RI		440*		<10	685	6.11
2012	4	23	7:15 AM	9.884	15.3	8.12					<10	454	14.7
2012	3	19	8:15 AM	5.77	17.7	7.74	7.7 R				31	561	52
2012	2	13	8:45 AM	2.704	1.4	7.98	13.51 R				<10	539	21.9
2012	1	9	8:00 AM	0.82	2.8	7.92	11.28 R				<10	991	3.99
2011	12	6	8:00 AM	1.466	2.5	7.42	11.18 R				<10	1,882	9.29
2011	10	24	9:00 AM	0.832	13	7.03	8.34 R				<10	1,139	3.49
2011	9	19	9:00 AM		18.6	7.12	7.31 R		<5	15	<10	1,545	3.69
2011	9	6	9:45 AM	0					<5	5			5.46
2011	8	15	8:45 AM	0.722	25	7.19	5.52 R		45	125	10	654	16.6
2011	7	11	8:30 AM		26.9	7.28	4.43 PT		5*	25*	<10	767	5.58
2011	6	6	7:15 AM	0.626	25.6	7.55	4.99 R		275*	810*	<10	395	9.41
2011	5	23	7:30 AM	2.263	23.3	7.81	7 R						11.6

2008	4	28	8:45 AM	14.378	14.8	7.93	8.63 R		190	30	10	483	111
2008	3	24	7:30 AM	21.254	9.1	7.76	10.35 R				11	386	38.9
2008	2	19	8:45 AM	43.269	3.5	7.85	12.92 R				31	260	117
2008	1	15	8:00 AM	7.53	2	8.14	13.04 R				<10	526	5.63
2007	12	12	9:00 AM	67.263	3.6		12.66 R				23	801	71.6
2007	10	29	10:00 AM	2.165	13.8	8.29	10.91 R				<10	354	24.7
2007	9	24	8:00 AM	1.807	23.6	7.57	6.27 R				<10	486	5.34
2007	8	20	7:30 AM	1.712	26.1	7.72	6.08 R		120	180	<10	809	11.1
2007	7	16	8:30 AM	19.946	26.6	7.62	6.56 R		110	200	14	312	32.2
2007	7	9	9:40 AM						40	10			
2007	6	11	7:45 AM	7.36	25.1	7.56	6.53 R		60	110	11	420	14
2007	5	7	9:00 AM	8,240	19.4	7.37	7.52 R		8,200	>10,000	1,468	266	>1,000
2007	4	2	8:30 AM	46.141	17	7.75	8.61 R		140	90	22	251	41.9
2007	2	26	8:00 AM	1.551	7.3	7.67	10.74 R				<10	1,003	6.53
2007	1	22	8:00 AM	4.856	1.7	7.97	13.67 RI				<10	1,340	11.6
2006	12	19	8:00 AM	2.5	7	7.6	10.05 R				<10	1,238	2.49
2006	11	13	7:45 AM	0.5	8.1	6.65	9.2 R				<10	1,316	1.71
2006	10	16	8:15 AM	0.15	15.5	7.11	7.98 PT				<10	1,025	6.59
2006	9	11	7:40 AM	0	23	7.31	4.56 PT		80	80	<10	1,314	8.27
2006	8	7	1:30 PM	0	30.7	7.78	6.45 PT		135	125	<10	648	10.6
2006	7	3	2:15 PM	0									
2006	6	12	3:00 PM	0.286	26.4		6.65 RI		330	280	<10	815	19.6
2006	5	31	8:00 AM	0.577	24.2	7.72	5.16 R						10.6
2003	6	17	3:00 PM	2.043	30.2	8.01	7.99 RI		60	<20	12*	561*	12.7
2003	5	13	3:45 AM	3.032	20.4	7.63	8.18 R		110	560	15	620	22.9
2003	4	8	3:45 PM	22.896	10.9	8.16	10.85 R		260	190	12*	436*	20.2
2003	3	4	3:00 PM	66.978	8	7.98	12.28 RI				38*	304*	52.1
2003	1	28	10:00 AM	3.072	3.6	8.28	12.35 R				<10	558	8.62
2002	12	17	3:00 PM	4.022	8.6	8.1	12.61 RI				10	797	6.06
2002	11	19	3:00 PM	1.159	11.3	7.9	10.31 R				<10	1,004	3.97

2002	10	15	3:00 PM	0.729	14.1	7.94	10.33 RI		20	<20	<10	645	2.97
2002	9	10	3:00 PM	0.378	28.1	8.13	7.72 RI		<10	10	<10	296	7.37
2002	8	6	3:15 PM	1.094	32.2	8.54	7.67 RI		30	70	<10	260	8
2002	7	9	3:45 PM	0.986	33	7.79	7.25 R		<10	50	<10	615	5.68
2002	5	28	3:00 PM	7.93	22.7	7.79	8.41		220	150	15	420	22.1
2002	4	23	3:00 PM	180.68	18.9	7.44	8.41 R		>800	540	32	325	529
2002	3	19	3:00 PM	6.672	11.3	8.42	9.78 R				18	970	19.9
2002	2	12	3:00 PM	3.162	7.9	8.07	13.23 R				18	571.5	21.2
2002	1	8	2:45 PM	1.526	5.8	6.94	14.03 R				11	1,182.5	2.82
2001	12	4	2:30 PM	0.979	15.6	7.93	10.64 R				<10	723	6.33
2001	10	23	3:15 PM	0.5	21.4	7.61	8.3 RI		<10	20	<10	1,217.5	2.5
2001	10	4	9:30 AM	0.128	19	7.48	8.33 RI						2.02
2001	9	18	2:45 PM	1.019	24.6	7.41	8.92 R	20	40	20	<10	1,205	4.14
2001	9	4	9:00 AM	0.178	24.6	7.44	5.73 RI						1.76
2001	8	14	3:40 PM	0.168	31.1	7.13	7.18 RI		5	70	<1	1,179	4.98
1997	11	19	3:20 PM	1.66									

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2018	4	23	9:00 AM	912	<0.04	<0.02		0.35*	0.037	0.008	154	47.2	272	177	*Exceeded hold time.
2018	3	12	9:00 AM	810	<0.04	<0.02		0.45	0.048*	0.011	144	34.4	253	149	*Exceeded hold time.
2018	2	5	9:00 AM	2,043	<0.2	<0.02		0.17	0.016	<0.005*	489	36.3	538	191	*Exceeded hold time.
2018	1	8	9:00 AM	1,639	<0.2	<0.02		0.2	0.012	<0.005	394	38.5	525	177	
2017	11	27	8:45 AM	1,048	<0.1	0.02		0.3	0.028	0.017	223	26.8	338	149	
2017	10	17	8:45 AM	217	<0.02	0.15		1.01	0.155	0.058	14.8	11.2	90	67	
2017	9	26	3:00 PM												Base flow.

2017	9	18	8:45 AM	964	<0.1	0.06	<0.015	0.28	0.02	<0.005	228	16.2	227	101	*Exceeded hold time.
2017	8	14	8:45 AM	369	<0.02	<0.02	<0.015	0.41	0.043	0.015	61.7	13.6	116	88	*Exceeded hold time.
2017	7	10	8:30 AM	463.7	<0.02	0.06	0.032	0.78	0.099	0.027	64.3	16.8	153	104	*Exceeded hold time.
2017	6	5	8:30 AM	1,161	<0.02	<0.02	<0.015	0.36	0.018	0.005	216	35.9	360	208	*Exceeded hold time.
2017	5	1	9:00 AM	305	<0.02	0.09		0.057	0.074	0.035	25.3	14.2	140	100	Evidence of oil spill in flood plain on south side of stream.
2017	3	27	9:15 AM	1,272	<0.02	<0.02		0.28	0.012	<0.005	270	41.1	379	156	
2017	2	27	9:15 AM	874	<0.02	<0.02		0.64	0.033	0.007	150	36.2	342	144	
2017	1	17	9:00 AM	540.5	<0.02	0.14		0.64	0.069	0.033	82.5	27.1	274	125	
2016	12	5	7:30 AM	1,142	0.52	0.05		0.2	0.017	0.009	265	18.6	404	117	
2016	11	7	7:30 AM	805	<0.02	<0.02		0.26	0.019	0.007	181	15.5	272	111	
2016	10	3	8:15 AM	1,638	<0.2	<0.02		0.25*	0.012	<0.005	431	15.9	383	91	*Exceeded hold time.
2016	8	29	9:15 AM	1,235	0.51	<0.02	<0.015	0.39	0.017	0.006	317	15.7	295	107	*Exceeded hold time.
2016	7	25	9:15 AM	1,059	<0.2	0.02	<0.015	0.43	0.021	0.008	245	16.8	276	116	*Exceeded hold time.
2016	7	5	4:30 PM												Elevated flow.
2016	6	20	3:00 PM	1,028	<0.1	<0.02	0.017	0.3	0.029	0.009	217	21.2	285	150	
2016	6	6	8:00 AM	517									161	109	
2016	5	17	4:45 PM												Elevated flow.
2013	4	15	8:00 AM	1,298	<0.02	<0.02		0.46	0.033	<0.005	319.4	49.9	306	147	
2013	3	11	8:30 AM	1,298	<0.02	0.19		0.67	0.029	<0.005	460.5	45.4	430	136	
2013	2	5	7:30 AM	3,300	<0.02	<0.02		0.33	0.034	<0.005	958.8	24.5	836	144	Low flow.
2013	1	16	9:30 AM												Low flow.
2013	1	7	4:48 AM	2,340	<0.02	<0.02		0.33	0.014	<0.005	743	21.2	575	118	
2012	11	26	8:15 AM	1,667	<0.02	<0.02		0.3	0.012	<0.005	702.7	18.2	542	103	
2012	10	22	7:30 AM	2,104	<0.02	<0.02		0.41	0.022	<0.005	682.6	15.6	406	87	Trace flow.
2012	9	10	7:45 AM	2,192	<0.02	<0.02	0.075	0.66	0.023	0.008	702.7	15.3	340	85	*Exceede hold time. Trace flow.
2012	8	6	1:45 PM	1,647	<0.02	<0.02	0.035	0.63	0.027	<0.005	480.9	15.4	295	72	
2012	7	17	7:30 AM												
2012	7	9	7:30 AM	1,028	<0.02	<0.02	0.032	0.58	0.026	<0.005	288.3	15.8	246	99	*Exceeded hold time.

2012	5	29	7:30 AM	1,231	<0.02	<0.02		0.54	0.028	<0.005	313.9	33.9	367	146	*Exceeded hold time.
2012	4	23	7:15 AM	733	<0.02	0.15		0.75	0.036	0.007	146.9	35	245	136	
2012	3	19	8:15 AM	946	<0.02	<0.02		0.85	0.053	0.013	211.6	48.6	290	144	
2012	2	13	8:45 AM	918	<0.02	0.1		0.56	0.033	0.007	208.1	46.7	325	142	
2012	1	9	8:00 AM	1,799	<0.02	<0.02		0.12	0.027	<0.005	550.5	35.4	501	120	
2011	12	6	8:00 AM	3,057	<0.02	<0.02	<0.015	0.19	0.026	0.011	1,088.50	21.5		64	
2011	10	24	9:00 AM	1,936	<0.02	<0.02	<0.015	0.43	0.022	<0.005	631.3	15.7		77	
2011	9	19	9:00 AM	2,342	<0.02	0.06	0.023	0.37	0.006	<0.005	754.4	14.2		65	Trace flow.
2011	9	6	9:45 AM												
2011	8	15	8:45 AM	1,151	<0.02	0.12	0.048	1.33	0.051	0.012	306.7	18.6		73	
2011	7	11	8:30 AM	1360	<0.02	0.05	0.055	0.7	0.025	0.006	378.4	11.3		102	*Exceeded hold time. Trace flow. DO was 4.78 at PB.
2011	6	6	7:15 AM	711	<0.02	0.04	0.048	0.57	0.038	0.013	134.9	18.9		133	*Exceeded hold time.
2011	5	23	7:30 AM	578										132	
2008	4	28	8:45 AM	834	<0.02	<0.02	<0.015	<0.11	0.024	0.012	134.6	40.2	276.9	169	
2008	3	24	7:30 AM	605	0.12	0.17	<0.015	<0.11	0.028	0.013	75.1	31.9	198.2	135	
2008	2	19	8:45 AM	332.2	<0.02	0.41	<0.015	0.62	0.117	0.031	34.6	20.6	110.9	85	
2008	1	15	8:00 AM	960	<0.02	0.1	<0.015	<0.11	0.016	0.009	141.4	44.6	299.8	183	
2007	12	12	9:00 AM	1503	<0.02	0.23	<0.015	0.41	0.077	0.037	291.4	38.3	341.1	154	
2007	10	29	10:00 AM		0.19	0.14	<0.015	0.54	0.07	0.034	103.3	24.7	178.3	102	
2007	9	24	8:00 AM		<0.02	0.08	<0.015	0.2	0.023	0.007	160.3	21.3	219.4	111	
2007	8	20	7:30 AM		<0.02	<0.02	<0.015	0.22	0.029	0.01	301.5	29.2	322.7	134	
2007	7	16	8:30 AM	481.1	<0.02	0.11	<0.015	0.52	0.055	0.01	51.7	17	172.3	131	
2007	7	9	9:40 AM												Base flow.
2007	6	11	7:45 AM	714	<0.02	<0.02	<0.015	0.59	0.058	0.014	125.2	107.5	230.6	143	
2007	5	7	9:00 AM	132.4	<0.02	0.15	0.064	0.194	0.725	0.218	7.5	6.6	57.6	86	
2007	4	2	8:30 AM	388.6	<0.02	0.13	<0.015	0.54	0.077	0.02	46.1	20.7	138.9	97	
2007	2	26	8:00 AM	1,826	<0.02	<0.02	<0.015	0.3	0.029	0.006	456.3	31.7	434.4	135	
2007	1	22	8:00 AM	2,540	<0.02	0.16	<0.015	0.15	0.014	0.014	643.7	23.6	562.7	122	

2006	12	19	8:00 AM	2,122	<0.02	0.11	<0.015	0.21	0.038	<0.005	588.7	21.8	493.8	106	
2006	11	13	7:45 AM	1,462	<0.02	0.74	<0.015	0.27	0.01	0.008	691.2	16.5	493.3	82	
2006	10	16	8:15 AM	1,761	<0.02	0.75	<0.015	0.13	0.012	0.009	461.8	19.3	386.3	79	
2006	9	11	7:40 AM	1,706	<0.02	0.06	<0.015	0.25	0.014	0.01	433.3	13.6	374.7	33	
2006	8	7	1:30 PM	1,060	<0.02	<0.02	<0.015	0.55	0.026	<0.005	243.8	15.1	245.2	90	
2006	7	3	2:15 PM												
2006	6	12	3:00 PM	1,339	<0.02	0.06	<0.015	0.55	0.014	0.007	262.9	26.3	303.8	98	
2006	5	31	8:00 AM	1,085										93	DO was 5.1 in a RI.
2003	6	17	3:00 PM	1,022	0.01*	0.04*	0.025	0.611	0.058	<0.005	191*	24.5*	245.3	121	*Exceeded hold time.
2003	5	13	3:45 AM	999	0.02*	0.15*	0.053	0.58	<0.005	<0.005	203.6*	45.6*	312.4*	156	*Exceeded hold time.
2003	4	8	3:45 PM	836	0.02	<0.01	<0.015	0.342	0.061	<0.005	95.33	47.99	256	179	*Exceeded hold time.
2003	3	4	3:00 PM	593	<0.01*	0.46*	<0.015	0.28*	0.048	<0.005	67.4*	38.3*	183.9*	128	
2003	1	28	10:00 AM	1,271	<0.01	0.09	<0.015	0.318	0.01	<0.005	220.2	44.2	326.7	152	
2002	12	17	3:00 PM	1,464	<0.01	0.2	<0.015	0.256	0.024	<0.005	300.4	36.9	355.4	150	
2002	11	19	3:00 PM	1,667	<0.01	0.29	0.022	0.268	0.017	0.01	452.44	22.31	399	119	
2002	10	15	3:00 PM	1,186	<0.01	0.65	<0.015	0.403	0.019	<0.005	274.4	12.74	274.8	89	
2002	9	10	3:00 PM	530	<0.01	<0.01	0.045	0.406	0.052	0.006	86.2	11.11	144.1	79	
2002	8	6	3:15 PM	435.5	<0.01	<0.01	0.149	0.451	0.044	0.031	65.5	13.94	133.2	55	
2002	7	9	3:45 PM	981	<0.01	0.51	0.12	0.441	0.039	<0.005	210.3	24.29	250.8	132	
2002	5	28	3:00 PM	683	<0.01	<0.01	0.044*	0.427*	0.039*	0.005*	119.2	28.75	220.1	120	*Exceeded hold time.
2002	4	23	3:00 PM	443.5	<0.01	0.72	0.337	1.432	0.252	0.145	79.1	28.17	157.2	65	
2002	3	19	3:00 PM	1,433	<0.01	<0.01	0.084	0.387	0.044	0.008	320.5	38	426.9	91	
2002	2	12	3:00 PM	1,015	<0.01	0.72	0.121	0.35	0.034	0.022	217.6	35.63	286.1	98	
2002	1	8	2:45 PM	1,994	<0.01	<0.01	0.173	0.288	0.023	<0.005	601.1	26.54	558.9	139	
2001	12	4	2:30 PM	1,276	<0.01	<0.01		0.116	0.03	0.01	324.6	22.38	329	71	
2001	10	23	3:15 PM	2,213	<0.01	0.86		0.251	<0.005	<0.005	629.3	13.7	518.8	69	
2001	10	4	9:30 AM	2,240										68	DO was 7.18 at PT and 7.2 at PB.
2001	9	18	2:45 PM	1,888	<0.01	0.48	0.128	0.252	0.02	<0.005	602.6	11.4	440.2	160	

2001	9	4	9:00 AM	2,238										70	DO was 4.82 at PT and 5.08 PB.
2001	8	14	3:40 PM	1,844	<0.01	0.48	<0.015	0.4	0.033	0.014	542.9	12.71	379.9	24	
1997	11	19	3:20 PM												

IR WBID OK121300040280_00				OCC WBID OK121300-04-0280R				Hominy Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.5101 Longitude -96.448 (HOM-4)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	12:00 PM	12.596	9.9	8.35	11.96 R	60	<10	70	32		17.4
2001	2	12	12:15 PM	14.819	5.6	7.86	11.54 R	7,000	4,160	5,000	48		88.4
2001	1	8	1:00 PM	36.283	0.6	10.48	14.44 R	170	278	3,000	10		18.4
2000	11	27	11:45 AM	0.898	6	7.9	12.05 RI	<10	10	30	2		3.85
2000	10	23	12:15 PM	0.54	19	7.68	5.87 R	200	108	600	<1		8.72
2000	9	18	11:30 AM	0.01	20.5		7.19 PT	40	30	<10	<1		1.49
2000	8	14	12:00 PM	0.389	30.1	7.77	7.41 R	20	31		2		3.1
2000	7	10	11:00 AM	3.573	29.2	7.94	6.19 R	30			4		5.24
2000	6	5	11:30 AM	9.569	24.6	7.5	7.08 R	600			38		37.7
2000	5	1	12:20 PM	209.28	17.9	7.7	9.14 R	7,800			58		76
2000	3	20	2:00 PM	76.149	10.2	8.23	12.43 R	900			19		29.5
2000	2	15	11:00 AM	7.024	6.3	8.47	14.3 R	<100			6		5.68
2000	1	11	1:30 PM	4.975	5.7	8.29	15.72 RI	<100			7		8.23
1999	12	6	8:30 AM	23.357				10,000					
1999	11	1	9:15 AM	14.195				300					
1999	9	27	10:00 AM	4.509				300					
1999	8	16	8:30 AM	0.038				<100					
1999	7	12	10:10 AM	19.473				500					

1999	6	14	8:45 AM	7.528					800							
1999	5	17	10:30 AM	22.977					7,500							
1999	4	19	10:45 AM	4.622					600							
1999	2	23	3:30 PM	10												
1998	9	18	9:00 AM	0.229												
1997	12	15	1:00 PM	8.2												

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	19	12:00 PM	501			0.14	<0.05	0.2	0.032	0.016	45.7	42.9	175	133	
2001	2	12	12:15 PM	369.3			0.33	0.06	0.56	0.08	0.08	26.7	57.5	135	91	
2001	1	8	1:00 PM	506			0.44	0.05	0.48	0.051	0.018	180	47.7	391	156	
2000	11	27	11:45 AM	479			<0.05	<0.05	0.16	0.027	0.006	120	44.9	253	156	
2000	10	23	12:15 PM	838			<0.05	<0.05	0.38	0.036	0.019	169	41	302	123	
2000	9	18	11:30 AM	502			<0.05	0.11	0.31	0.15	0.015	170	44.2	281	136	
2000	8	14	12:00 PM	724			<0.05	<0.05	0.32	0.047	0.015	156	44.1	349	203	
2000	7	10	11:00 AM	759			<0.05	0.06	0.23	0.029	0.005	83.6	29.8	249	224	
2000	6	5	11:30 AM	780	0.009	0.166		<0.012	0.35	0.105	0.006	34	6.59	138	129	
2000	5	1	12:20 PM	250.5	0.018	0.126		<0.01	1.22	0.13	<0.005	20	<0.02	98	85	
2000	3	20	2:00 PM	413	<0.004	0.075		<0.042	0.76	0.089	<0.005	46	14	154	128	
2000	2	15	11:00 AM	925	<0.001	<0.024		0.025	0.31	0.021	<0.005	190	65.4	372		
2000	1	11	1:30 PM	940	<0.005	0.25		<0.015	0.26	0.047	0.027	172	34	300	170	
1999	12	6	8:30 AM													
1999	11	1	9:15 AM													
1999	9	27	10:00 AM													
1999	8	16	8:30 AM													

1999	7	12	10:10 AM										
1999	6	14	8:45 AM										
1999	5	17	10:30 AM										
1999	4	19	10:45 AM										
1999	2	23	3:30 PM										
1998	9	18	9:00 AM										
1997	12	15	1:00 PM										

IR WBID OK121400010090_00				OCC WBID OK121400-01-0090D				Rabb Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.45252 Longitude -95.8032													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	20	3:30 PM	6.832	12.8	8.05	11.48 R	190	160	1,100	28		21.2
2001	2	13	4:14 PM	57.774	6.8	7.15	10.84 R	1,400	1,553	11,000	82		79.1
2001	1	9	4:30 PM	37.709	0.3	7.17	14.14 R	1,000	1,112	26,000	30		39.6
2000	11	28	2:45 PM	0.37	8	7.2	7.61 R	80	97	328,000	20		37.5
2000	10	24	3:00 PM	0	20.5	6.92	1.42 PT				152		180
2000	9	19	2:45 PM	0	21		6.68 PT	50	10	120			30.7
2000	8	15	3:30 PM	0	33.9		8.78 PT	90	31		14		31.1
2000	7	11	8:00 AM	0.757	27.4	7.44	4.87 R	40			2		13.8
2000	6	6	2:30 PM	0.96	23.3	7.86	8.52 RI	100			37		29.8
2000	5	2	5:10 PM	19.025	19.5	7.28	7.83 RI	6,000			34		69.5
2000	3	21	2:35 PM	5.421	13.3		9.54 R	100			30		48.4
2000	2	15	3:00 PM	0.454	10.8		10.94 R	200			8		18.2
2000	1	11	3:00 PM	0.163	7.4		11.63 R	100			16		13.6
1999	12	7	4:35 PM	2.51				4,500					

1999	11	2	2:30 PM	0					3,500						
1999	9	28	6:05 PM	3.247					<100						
1999	8	17	1:55 PM	0					<100						
1999	7	29	8:30 AM	2											
1999	7	13	7:10 AM	1.002					200						
1999	6	15	6:30 AM	1.504					200						
1999	5	18	3:30 PM	73.379					5,000						
1999	4	20	8:10 AM	1.968					<230						
1999	2	16	12:30 PM	5											
1998	3	2	12:05 PM												

OK121400010010_10 shown in the OCC data table for Rabb Creek is the WBID # for a Caney River reach. OK121400010090_00 is a Rabb Creek tributary to the Caney River, but the lat./long. coordinates shown do not align with either WBID #.

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	3	20	3:30 PM	274.1			0.05	<0.05	0.73	0.069	0.021	7.7	44.4	96.7	85	
2001	2	13	4:14 PM	216.1				0.09	0.64	0.156	0.084	5.8	40.6	85.8	52	
2001	1	9	4:30 PM	92.8			1.58	0.17	0.3	0.181	0.095	<5	32.8	60.2	38	
2000	11	28	2:45 PM	146.5			<0.05	<0.05	0.47	0.095	0.026	7.9	37.2	76.7	87	
2000	10	24	3:00 PM	158.6			<0.05	<0.05	1.84	0.104	0.07	7.5	73.1	109	87	
2000	9	19	2:45 PM	361.7			<0.05	0.13	0.32	0.088	0.02	18	17.7	158	127	
2000	8	15	3:30 PM	371.2			0.25	<0.05	0.43	0.09	0.049	14.2	21.2	98.6	99	
2000	7	11	8:00 AM	396.7			<0.05	<0.05	0.36	0.091	0.03	14.8	40	122	118	
2000	6	6	2:30 PM	318.9	0.007	0.109		<0.01	0.41	0.106	0.006	19	21.7	120	95	
2000	5	2	5:10 PM	204.1	0.027	0.24		0.032	1.02	0.152	0.034	6	36.2	80	60	
2000	3	21	2:35 PM	214	0.005	0.133		<0.039	1.03	0.123	0.011	8	55.6	88	72	DO was 9.56 in a RI.
2000	2	15	3:00 PM	316	<0.001	<0.013		0.029	0.24	0.034	<0.005	30	61	176	116	

2000	1	11	3:00 PM	406	<0.005	0.056		<0.019	0.35	0.042	<0.002	25	48	168	91	DO was 11.81 in a RI.
1999	12	7	4:35 PM													
1999	11	2	2:30 PM													
1999	9	28	6:05 PM													
1999	8	17	1:55 PM													
1999	7	29	8:30 AM													
1999	7	13	7:10 AM													
1999	6	15	6:30 AM													
1999	5	18	3:30 PM													
1999	4	20	8:10 AM													
1999	2	16	12:30 PM													
1998	3	2	12:05 PM													

IR WBID OK121400020140_00				OCC WBID OK121400-02-0140H				Little Caney River					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.8587 Longitude -95.9579 (LCR-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2008	4	29	12:15 PM	982	16.4	8.01	10.22 R		10	<10	23	184	82.6
2008	3	25	12:45 PM	688	11.5	7.93	12.55 R				22	181	49.2
2008	2	20	1:00 PM	508	4.5	8.09	14.02 R				29	170	21.8
2008	1	16	1:00 PM	212	5.2	8.36	13.34 R				30	126	28.3
2007	12	11	12:30 PM	13.657	4.4	8.29	11.6 R				20	196	68.1
2007	10	29	3:00 PM	0	15.1	8.64	9.69 PT				28	136	50.3
2007	9	25	12:30 PM	22.898	24.9	7.71	6.11				80	146	92.5
2007	8	21	12:00 PM	13.175	29.5	7.4	3.84 R		20	120	49	162	94.5
2007	7	17	11:00 AM		25.1	6.54	7.66 R		10	<10	19	96	24.9

2007	7	10	9:40 AM						40	230			
2007	6	12	9:45 AM		23.3		6.8 PT		1,420	1,620	217	144	145
2007	5	8	12:30 PM	250	19.2	6.2	7.28 R		>2,000	>2,000	415	230	620
2007	4	3	12:30 PM		18.2	7.44	9.37 R		90	30	83	178	85.8
2007	2	27	1:00 PM	2.388	12.7	7.7	10.83 R				31	184	45.4
2007	1	23	1:30 PM	3.705	2.4	8.24	13.96 R				<10	211	22.7
2006	12	20	1:00 PM	10.781	8.5	7.62	10.41 R				40	230	106
2006	11	14	12:15 PM	4.12	11.3	7.55	9.98 R				19	171	44
2006	10	17	12:30 PM	5.305	19.1	7.87	10.55 R				28	236	72.7
2006	9	12	12:00 PM	12.774	22.3	7.78	7.04 R		190	230	59	174	92
2006	8	8	10:15 AM	14.458	28.8	7.72	5.65 R		70	65	83	201	85
2006	7	10	8:30 AM	15.383	25.2	7.74	6.39 R						91.3
2006	6	13	12:15 PM	14.424	24.1		7.63 R		440	260	45	182	94.5
2003	6	16	1:30 PM		26.4	7.64	7.81 R		40	<20	22	135	60
2003	5	12	1:15 PM	46.232	21.6	7.81	7.72 R		30	100	43	190	89.4
2003	4	7	1:00 PM	142.11	14.4	8.09	10.45 R		360	130	44*	177*	46.6
2003	3	3	1:30 PM	2.317	6.9	7.27	11.34 R				46*	442*	107
2003	1	28	3:20 PM	3.108	4.5	8.02	11.61 R				41	181	23.1
2002	12	16	1:00 PM	11.42	8.9	7.37	9.8 R				14	209	30.3
2002	11	18	12:45 PM	4.782	11	8.03	10.61 R				14	168	28.1
2002	10	14	1:30 PM	4.481	14.5	7.52	10.31 R		880	60	40	183	46.4
2002	9	9	12:45 PM	16.642	26	7.82	6.8 R		40	60	69	162	71
2002	8	5	12:22 PM	17.322	29	7.99	6.18 R		200	30	41	157	92.7
2002	7	8	1:00 PM	91.924	27.5	9.14	6.55 R		20	20	27	121	99.8
2002	5	29	11:30 AM	1,170	20.9	6.48	8.45 R		70	70	23	224	117
2002	4	22	1:15 PM	5.341	20.8	7.93	7.45 R		50	90	72	234.9	193
2002	3	18	1:00 PM	3.374	9.8	7.24	10.32 R				35	220	43.8
2002	2	11	1:45 PM	1.697	6.4	7.78	11.76 R				29	228.5	30.6
2002	1	7	1:00 PM	0.83	2.9	7.85	13.66 R				15	225.5	15.9
2001	12	3	1:00 PM	3.026	9.9	8	10.95 R				46	208.5	60.9

2001	10	22	1:00 PM	9.332	20.5	8.04	7.7 R		100	40	73	162.5	98.7
2001	9	17	1:00 PM	11.924	23.9	7.68	5.95 R	90	90	50	65	214.5	109
2001	8	31	9:15 AM	25.1	7.83	6.08 R							148
2001	8	13	2:30 PM	13.737	30.2	7.36	6.95 R		35	30	<1	149	83.6

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2008	4	29	12:15 PM	215.8	<0.02	0.27	<0.015	<0.11	0.121	0.047	18.1	15.9	88.7	82	
2008	3	25	12:45 PM	275.8	0.08	0.25	0.018	<0.11	0.081	0.03	18.3	16.8	111	100	
2008	2	20	1:00 PM	264.6	<0.02	<0.02	<0.015	0.47	0.054	0.01	19	11.2	105.5	99	
2008	1	16	1:00 PM	229.2	<0.02	0.14	<0.015	0.2	0.066	0.012	15.5	12.9	102.6	89	
2007	12	11	12:30 PM	293.5	<0.02	0.38	<0.015	0.36	0.145	0.033	37.8	13.7	112.1	96	
2007	10	29	3:00 PM		0.05	0.3	<0.015	0.3	0.09	0.041	13.6	6.4	94	65	
2007	9	25	12:30 PM		<0.02	0.32	<0.015	<0.11	0.161	0.08	12.5	6.3	90.3	75	
2007	8	21	12:00 PM		0.07	0.34	0.123	<0.11	0.273	0.193	17	5.5	85.7	80	
2007	7	17	11:00 AM	140.1	<0.02	0.04	<0.015	0.39	0.105	0.046	6	4.7	58.2	54	Elevated flow.
2007	7	10	9:40 AM												Elevated flow.
2007	6	12	9:45 AM	157.3	<0.02	0.2	<0.015	0.71	0.273	0.111	11.5	5.9	62.3	54.6	Elevated flow.
2007	5	8	12:30 PM	192.8	0.06	0.3	0.069	1.17	0.423	0.164	17.1	11.1	68	59	
2007	4	3	12:30 PM	235.3	0.05	0.25	0.021	0.53	0.138	0.044	16.5	13	98.9	81	Elevated flow.
2007	2	27	1:00 PM	312.2	<0.02	<0.02	<0.015	0.58	0.091	0.018	24.8	11.5	133.8	120	
2007	1	23	1:30 PM	336.7	<0.02	0.11	<0.015	0.5	0.056	0.006	28.5	13.8	127.6	106	
2006	12	20	1:00 PM	297.4	<0.02	0.09	<0.015	<0.11	0.084	0.048	22.9	11.4	122.4	113	
2006	11	14	12:15 PM	294.1	<0.02	<0.02	<0.015	0.4	0.082	0.035	21.3	11.2	127.3	137	
2006	10	17	12:30 PM	294.6	<0.02	0.14	<0.015	0.36	0.08	0.06	17.6	10.6	128.1	126	
2006	9	12	12:00 PM	290.6	<0.02	0.11	<0.015	0.25	0.08	0.052	18.4	10.6	123.8	108	

2006	8	8	10:15 AM	272.5	<0.05	0.19	0.027	0.35	0.091	0.063	13.2	8	118.3	118	
2006	7	10	8:30 AM	258.1										92	
2006	6	13	12:15 PM	251.5	<0.02	0.05	<0.015	0.44	0.054	0.044	17.6	4.3	19.1	85	
2003	6	16	1:30 PM	188.6	0.01*	0.33*	0.02	0.585	0.115	0.035	7.7	6.4*	79.1	68	*Exceeded hold time. Elevated flow.
2003	5	12	1:15 PM	270.6	0.02*	0.27*	0.065	0.445	0.045	0.038	17.6*	13.4*	119.4*	111	*Exceeded hold time.
2003	4	7	1:00 PM	284.1	<0.01	0.16	<0.015	0.566	0.081	0.012	18.42	115.8	126.6	84	*Exceeded hold time.
2003	3	3	1:30 PM	730	<0.01*	1.07*	<0.015	0.172*	0.119	0.086	133.5*	26*	160.4*	90	*Exceeded hold time.
2003	1	28	3:20 PM	298	<0.01	0.14	<0.015	<0.11	0.028	<0.005	18.9	10.6	120.1	99	
2002	12	16	1:00 PM	365.3	<0.01	0.1	<0.015	<0.11	0.033	<0.005	36.17	11.5	133.5	106	
2002	11	18	12:45 PM	272.1	<0.01	0.08	0.026	0.256	0.049	0.027	16.97	10.37	111.9	90	
2002	10	14	1:30 PM	2763.8	<0.01	0.56	<0.015	0.236	0.057	0.021	14.9	9.05	115.3	97	
2002	9	9	12:45 PM	264.2	<0.01	0.56	0.048	0.58	0.115	0.036	10.82	8.52	109.7	92	
2002	8	5	12:22 PM	239.3	<0.01	0.72	0.196	0.707	0.097	0.046	10.95	8.64	106.1	93	
2002	7	8	1:00 PM	223.3	<0.01	0.75	0.159	0.67	0.134	0.062	9.77	8.67	90.73	122	
2002	5	29	11:30 AM	204.4	<0.01	0.87	0.08*	0.473*	0.065*	0.042*	11.82	9.49	78.12	61	*Exceeded hold time.
2002	4	22	1:15 PM	379.4	<0.01	0.66	0.129	1.548	0.104	0.086	31.55	19.6	139.9	82	
2002	3	18	1:00 PM	383.4	<0.01	0.57	0.248	0.753	0.062	0.033	33.73	18.62	163.6	88	
2002	2	11	1:45 PM	415.9	0.36	0.47	0.129	0.578	0.065	0.03	44.25	19.49	164.5	110	
2002	1	7	1:00 PM	391.4	<0.01	0.52	0.146	0.637	0.062	<0.005	41.39	17.7	149.8	108	
2001	12	3	1:00 PM	356.2	<0.01	0.56	0.11	0.507	0.058	0.041	34.45	18.17	154.3	80	
2001	10	22	1:00 PM	342.7	<0.01	0.58	0.187	0.527	0.071	0.042	25.5	17.2	143	82	
2001	9	17	1:00 PM	354.5	<0.01	0.64	0.242	0.623	0.125	0.067	24.1	16.6	148.9	90	
2001	8	31	9:15 AM	352.6										135	DO was 6.05 at PT and 6.03 at PB.
2001	8	13	2:30 PM	338.4	<0.01	0.55	<0.015	0.55			22.2	16.74	133.4	69	

IR WBID OK121400020190_00				OCC WBID OK121400-02-0190B				Mission Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.86841 Longitude -96.0253 (MIS-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	4	23	10:45 AM	0.568	14.6	7.42	6.5 R				12	180	16.5
2018	3	12	10:45 AM	3.9	9.3	7.33	9.32 R				20	140	38
2018	2	5	10:30 AM	0	3.4	7.11	9.75 PT				<10	210	6.1
2018	1	8	10:45 AM	0	2.1	7.14	6.95 PT				<10	220	6.67
2017	11	27	10:30 AM	0	8	7.38	4.53 PT				<10	120	4.86
2017	10	23	10:45 AM	0.522	15.3	7.02	4.54 R				35	160	112
2017	9	26	2:00 PM						<20				8.23
2017	9	18	10:30 AM	0.2	21.7	7.04	2.81 R		260*		11	120	16.4
2017	8	14	10:45 AM	2.828	23.9	7.23	4.01 R		440		25	120	81.6
2017	7	28	11:30 AM	0									
2017	7	10	10:00 AM	<0.1	26	7.1	4.25 R		80		15	170	24.2
2017	6	5	10:30 AM	6.306	23.9	7.02	4.62 R		160*		14*	140	27.7
2017	5	1	10:45 AM	400	13.1	6.88	9.58 R				49	100	117
2017	3	27	11:00 AM	68.447	14.4	7.51	7.7 R				34	120	74.2
2017	2	27	11:00 AM	2.162	8.8	7.34	8.15 R				<10	130	24.5
2017	1	17	10:15 AM	10.37	5.3	7.69	10.76 R				<10	110	49.9
2016	12	5	9:45 AM	<0.5	6.7	7.28	4.97 R				14	120	21.5
2016	11	7	9:30 AM	1.834	16.2	7.04	3.72 R				<10	96	25.9
2016	10	3	10:00 AM	0	18.8	7.18	4.82 PT				<10	170	9.47
2016	8	26	10:45 AM	0	25.8	7.3	2.5 PT		25*		<10	170*	14.8
2016	7	25	10:45 AM	2.311	28.6	7.43	4.15 R		20*		<10	180	16.7

2016	7	11	8:00 AM	0.2	26.8	7.27	1.74 R						41
2016	7	5	11:00 AM						750*				122
2016	6	20	1:00 PM	4.837	28.8	6.92	4.4 R		100		18	150	50.9
2016	5	17	10:45 AM						5,000				152
2008	4	28	1:00 PM	21.723	16.8	7.09	8.15 R		280	70	<10	154	29.5
2008	3	24	11:00 AM	24.118	9.6	7.2	9.49 R		340	60	<10	161	51.1
2008	2	19	1:00 PM	29.811	4.5	7.27	12.58 R				20	159	75.3
2008	1	15	11:40 AM	6.647	3.6	7.41	12.17 R				<10	242	35.4
2007	12	11	1:15 PM	4.602	3.7	6.92	7.13 R				22	213	10
2007	10	29	2:00 PM	1.686	12.3	8.44	6.92 R				13	114	32.3
2007	9	25	1:45 PM	0.076	23.3	6.72	4.33 R				15	149	24.1
2007	8	21	1:15 PM	0.042	29.7	7.19	5.25 R				18	219	19.5
2007	7	17	11:30 AM	0	29.4	6.69	6.73 PB		110	30	23	149	29.3
2007	7	10	10:50 AM						>1,000	>1,000			
2007	6	12	10:30 AM		22.5	6.65 R			>2,000	1,640	138	92	222
2007	5	8	1:00 PM		19.7		8.37 R		>2,000	>2,000	99	113	186
2007	4	3	1:00 PM	56.307	20	7.13	7.82 R		190	7	16	117	19.8
2007	2	26	11:15 AM	0.1	8.7	7.29	8.09 R				<10	141	12.4
2007	1	22	11:15 AM	0.05	4.1	7.24	11.31 R				<10	153	15.7
2006	12	19	10:40 AM	0	8.3	7.09	7.87 PT				20	232	36.3
2006	11	13	10:30 AM	0	9.9	7.37	5.95 PT				<10	207	4.11
2006	10	16	11:00 AM	0	15.2	7.36	4.85 PT				<10	209	10.6
2006	9	11	10:30 AM	0	23.4	7.21	5.07 PT		10	5	10	176	9.39
2006	8	25	5:45 AM		27.9		3.32 PT						
2006	8	7	10:45 AM	0	28.5	7.11	3.45 PT		50	55	<10	168	6.04
2006	7	3	12:30 PM	0									
2006	6	12	11:00 AM		24.1	7.03	3.32 R		710	530	47	148	50.8
2006	6	2	8:30 AM	0.286	23.6	7.03	2.04 R						12.7
2003	6	17	11:15 AM	1.151	24.5	7.04	6.24 RI		<20	20	26*	119*	28.1

2003	5	13	11:40 AM	0.378	17.9	7.13	6.27 R		>2,000	>2,000	609	177	822
2003	4	8	12:00 PM	26.506	10.3	6.99	8.25 R		1280**	610**	42*	210*	64.9
2003	3	4	11:20 AM	20.906	6.6	7.1	10.94 RI				23*	126*	33.5
2003	1	28	2:25 PM	0	1.7	7.28	6.59 R				14*	356*	24.6
2002	12	17	11:00 AM	0.012	7.6	7.04	3.81 R				11	229	21.4
2002	11	19	11:00 AM	0	9.4	6.97	0.5 PT				<10*	207*	5.07
2002	10	15	11:30 AM	0	12.8	6.93	7.58 PT		40	<20	16*	144*	15.7
2002	9	10	11:30 AM	0	24.5	7.37	4.5 PT		<10	20	41	140	27.2
2002	8	6	11:30 AM	0.049	29.7	7.29	5.72 RI		100	30	<10	107	5.09
2002	7	17	1:30 PM	0									
2002	7	9	11:45 AM	0	31.8	7.99	6.78 RI		<10	<10	<10	205	6.97
2002	5	28	11:15 AM	37.819	21.8	6.79	5.3 R		190	290	22	127	50.8
2002	4	23	11:30 AM	0.022	23.4	7.86	8.86 R		530	340	14	198.5	15
2002	3	19	11:00 AM	0.2	10.9	7.93	7.08 PT				<10	178	10.8
2002	2	12	12:00 PM	0.052	10.1	7.71	11.53 RI				<10	139	20.8
2002	1	8	12:00 PM	0	6.4	6.71	9.08 PT				10	216	6.06
2001	12	4	11:30 AM	0	12.2	7.2	6.47 PT				<10	220.5	3.77
2001	10	23	11:45 AM	0	19.6	7.01	5.17 PT		<10	30	<10	109.5	16.1
2001	9	18	12:00 PM	0.796	22.5	6.18	4.73 RI	1,150	610	850	35	95.5	64.8
2001	9	5	9:00 AM	0.964	24.8	7.11	2.91 R						30.7
2001	8	14	12:45 PM	1.238	27.4	6.6	6.02 R		20	70	31	71	28.4

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	4	23	10:45 AM	295.8	<0.02	<0.02		0.87*	0.086	0.024	23.8	17.8	121	104	*Exceeded hold time.
2018	3	12	10:45 AM	196.2	<0.02	<0.02		0.88	0.109*	0.031	14.8	14.7	97	70	*Exceeded hold time.

2018	2	5	10:30 AM	369.6	<0.02	<0.02		0.56	0.04	0.017*	15.4	10.4	167	150	*Exceeded hold time.
2018	1	8	10:45 AM	337.6	<0.02	<0.02		0.81	0.074	0.019	14.5	9.9	188	142	
2017	11	27	10:30 AM	279.3	<0.02	0.03		0.6	0.055	0.032	12	6.9	140	114	
2017	10	23	10:45 AM	193	<0.02	0.26		0.99	0.178	0.084	10.9	4.1	112	74	
2017	9	26	2:00 PM												Trace flow.
2017	9	18	10:30 AM	202.3	<0.02	0.03	0.047	0.78	0.075	0.022	11.7	4.7	83	82	*Exceeded hold time.
2017	8	14	10:45 AM	138.8	<0.02	0.22	0.048	0.82	0.112	0.042	10.6	5.4	57	51	
2017	7	28	11:30 AM												
2017	7	10	10:00 AM	316.6	<0.02	0.05	0.113	1.1	0.095	0.034	17.3	10	142	139	
2017	6	5	10:30 AM	220.5	<0.02	0.25	0.018	0.78	0.089	0.035	12.8	10.3	121	102	*Exceeded hold time.
2017	5	1	10:45 AM	88.6	<0.02	0.08		1	0.106	0.072	2.9	4.8	67	33	
2017	3	27	11:00 AM	197.4	0.56	0.25		1.06	0.147	0.048	13.2	22.2	155	56	
2017	2	27	11:00 AM	162.4	0.07	0.06		0.78	0.089	0.025	14.6	14.8	153	77	
2017	1	17	10:15 AM	119.6	0.03	0.37		1.08	0.136	0.059	6.3	15	121	33	
2016	12	5	9:45 AM	212	0.09	<0.02		0.64	0.093	0.041	12.2	6.7	188	83	
2016	11	7	9:30 AM	155	<0.02	0.02		0.65	0.093	0.045	9.8	4.1	112	60	
2016	10	3	10:00 AM	300.1	0.08	<0.02		0.86	0.083	0.038	24.4	6.6	172	117	
2016	8	26	10:45 AM	292.1	0.09	0.06	0.095	0.79	0.085	0.039	20.9	7.4	147	96	*Exceeded hold time.
2016	7	25	10:45 AM	333.7	0.06	0.08	0.073	1.16	0.083	0.013	29.2	12.4	166	123	*Exceeded hold time.
2016	7	11	8:00 AM	263.1									163	159	
2016	7	5	11:00 AM												*Exceeded hold time. Flow slightly elevated.
2016	6	20	1:00 PM	208.1	0.04	0.12	0.062	0.94	0.117	0.039	11.9	7.1*	98	82	*Exceeded hold time.
2016	5	17	10:45 AM												Flow is elevated.
2008	4	28	1:00 PM	211.3	<0.02	0.21	<0.015	<0.11	0.081	0.026	14.8	16	81.7	71	
2008	3	24	11:00 AM	183.1	<0.02	0.16	0.02	<0.11	0.039	0.018	10.4	16.4	72.8	66	
2008	2	19	1:00 PM	171.9	<0.02	0.34	0.015	0.61	0.106	0.025	11.2	16.1	63.2	68	
2008	1	15	11:40 AM	404.4	<0.02	0.22	<0.015	<0.11	0.046	0.019	50.8	25.8	121.9	96	
2007	12	11	1:15 PM	364	<0.02	0.16	<0.015	0.42	0.082	0.032	31.9	19	134.5	111	
2007	10	29	2:00 PM		0.05	0.26	<0.015	0.44	0.076	0.022	12	13.3	72.4	53	

2007	9	25	1:45 PM		<0.02	0.13	<0.015	0.41	0.088	0.026	17.6	14.9	94.4	25	
2007	8	21	1:15 PM		<0.02	0.1	0.045	0.16	0.066	0.022	33.6	23.3	159.3	129	
2007	7	17	11:30 AM	214.9	<0.02	0.14	<0.015	0.83	0.097	0.015	11.2	12	83.3	67	
2007	7	10	10:50 AM												Flow is elevated.
2007	6	12	10:30 AM	65.4	<0.02	0.14	<0.015	0.69	0.185	0.049	3	3.6	26.1	24.4	Flow is elevated.
2007	5	8	1:00 PM	78.6	<0.02	0.13	<0.015	0.9	0.169	0.045	3.3	5.5	36.7	26	High flow.
2007	4	3	1:00 PM	146.7	<0.02	0.08	<0.015	0.84	0.083	0.02	6.6	12.5	62.9	66	
2007	2	26	11:15 AM	243.1	<0.02	0.07	<0.015	0.42	0.092	0.026	11.5	15.1	109.7	96	
2007	1	22	11:15 AM	341.8	<0.02	0.11	<0.015	0.52	0.088	0.03	10.8	15.6	120.8	101	
2006	12	19	10:40 AM	379.1	<0.02	<0.02	<0.015	0.28	0.044	0.021	15	29.5	174.2	141	
2006	11	13	10:30 AM	355.8	<0.02	<0.02	<0.015	0.55	0.059	0.012	17.3	11.2	169.4	140	
2006	10	16	11:00 AM	318.4	<0.02	0.06	<0.015	0.32	0.046	0.017	14.5	7.7	137.8	131	
2006	9	11	10:30 AM	299.3	<0.02	<0.02	<0.015	0.31	0.027	0.016	13.9	6.2	129	110	
2006	8	25	5:45 AM												
2006	8	7	10:45 AM	277.6	<0.02	<0.02	<0.015	0.45	0.056	<0.005	14.8	15.1	119.6	104	
2006	7	3	12:30 PM												
2006	6	12	11:00 AM	252.1	<0.02	0.06	<0.015	0.72	0.121	0.043	13.9	10.4	109.8	95	Trace flow.
2006	6	2	8:30 AM	236.5										79	
2003	6	17	11:15 AM	184.5	0.01*	0.29*	<0.015	0.885	0.14	0.012	8*	9.1*	75.1	88	*Exceeded hold time.
2003	5	13	11:40 AM	191.4	0.02*	0.92*	0.2	1.339	0.533	0.296	10.3*	14.6*	118.5*	71	*Exceeded hold time.
2003	4	8	12:00 PM	266.6	<0.01	0.24	0.018	0.63	0.117	0.007	18.43	21.27	95.59	52	*Exceeded hold time. **Count above range, used grid estimation method.
2003	3	4	11:20 AM	257.5	<0.01*	0.43*	<0.015	<0.11*	0.034	<0.005	18*	25*	86.2*	51	*Exceeded hold time.
2003	1	28	2:25 PM		0.12*	0.15*	<0.015	0.543*	0.181*	0.077*	29.2*	83.7*	290*	243	
2002	12	17	11:00 AM	381.3	0.09	0.05	<0.015	<0.11	0.072	0.023	8.99	16.6	160.9	158	
2002	11	19	11:00 AM	360	0.34*	0.09*	0.04*	0.607*	0.309*	0.245*	8.75*	19.95*	153.9*	124	*Exceeded hold time.
2002	10	15	11:30 AM	240.6	<0.01*	0.8*	0.018*	0.483*	0.043*	0.005*	5.49*	13.84*	100.3*	99	*Exceeded hold time.
2002	9	10	11:30 AM	236	<0.01	0.47	<0.015	1.074	0.109	0.044	5.43	8.24	97.61	63	
2002	8	6	11:30 AM	158.8	0.14	0.58	0.36	1.515	0.115	0.056	7.59	6.57	63.04	41	

2002	7	17	1:30 PM												
2002	7	9	11:45 AM	310.5	<0.01	0.52	0.267	0.87	0.077	<0.005	12.02	10.71	127.7	131	
2002	5	28	11:15 AM	173.1	<0.01	0.75	0.137*	0.218*	0.069*	0.005*	7.81	14.66	64.92	44	*Exceeded hold time.
2002	4	23	11:30 AM	324.1	<0.01	0.54	0.182	0.674	0.041	0.016	13.83	15.77	137.5	93	
2002	3	19	11:00 AM	327.1	<0.01	<0.01	0.125	0.721	0.033	0.01	11.68	15.67	154.2	93	
2002	2	12	12:00 PM	250.2	0.33	<0.01	0.17	0.669	0.066	0.047	9.17	12.54	110.9	90	
2002	1	8	12:00 PM	408	<0.01	0.55	0.266	0.682	0.038	<0.005	10.42	15.86	182.9	162	
2001	12	4	11:30 AM	384.4	<0.01	<0.01	0.364	0.495	0.022	0.016	10.44	11.08	193.3	121	
2001	10	23	11:45 AM	236.4	<0.01	0.61	0.229	0.581	0.029	<0.005	64.4	12.5	109.1	72	
2001	9	18	12:00 PM	144.7	<0.01	0.57	0.305	0.957	0.08	0.01	4.7	9.6	58.4	41	
2001	9	5	9:00 AM	144.2										48	DO was 2.98 in a RI, 2.77 at PT and 2.65 at PB.
2001	8	14	12:45 PM	144	<0.01	0.49	0.26	1.13	0.231	0.041	4.76	7.34	54.8	22	

IR WBID OK121400030170_00				OCC WBID OK121400-03-0170C				Buck Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.9755 Longitude -96.2947 (BUC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2013	4	15	10:15 AM	15.844	15.3	8.15	8.7 R				<10	212	22.8
2013	3	11	11:15 AM	4.042	6.5	8.13	10.5 R				<10	202	13.2
2013	2	5	9:30 AM	0	5	7.54	9.14 PT				<10	244	10.7
2013	1	7	10:45 AM	0	4.8	7.05	7.7 PT				<10	412	4.69
2012	11	26	10:15 AM	0	6.8	6.7	4.5 PT				<10	350	3.96
2012	10	22	9:30 AM	0	26	7.08	2.33 PT				<10	222	8.74
2012	9	10	9:30 AM	0	18.4	7.32	4 PT		5*		<10	242	7.84
2012	8	6	12:00 PM	0	27	7.33	7.51 PT		<5		<10	245	14.8
2012	7	17	8:30 AM	0					5				

2012	7	9	9:00 AM	0	27.45	7.5	5.53 PT		<5*		<10	183	4.87
2012	5	29	9:30 AM		24	7.95	7.62 R		940		26	211	43.2
2012	4	23	9:45 AM	27.114	17.6	8.55					<10	253	8.51
2012	3	19	10:30 AM	25.464	18	7.99	7.57 R				19	237	31.5
2012	2	13	11:00 AM	14.472	2.6	7.96	12.63 R				<10	223	2.6
2012	1	9	10:15 AM	1.355	3.7	8.15	11.79 R				<10	217	7.14
2011	12	6	10:30 AM	14.1	2.7	7.75	10.43 R				<10	180	8.15
2011	10	24	11:00 AM	0	13.7	7.39	5.72 PT				<10	225	13
2011	9	19	10:30 AM	0	18	7.74	3.7 PT		<5	15	<10	209	15.1
2011	9	7	11:00 AM	0					<5	10			17.9
2011	8	15	10:15 AM	0	24.9	7.16	2.36PT		35	145	<10	170	14.2
2011	7	11	10:00 AM	0	29.2	7.38	2.59 PT		<5*	40*	<10	192	9.87
2011	7	5	8:15 AM	0									
2011	6	6	9:00 AM	1.22	27.4	7.9	5.86 R		10*	35*	<10	221	13.1
2011	5	31	7:45 AM	4.809									
2008	4	28	10:45 AM	45.849	17.2	8.09	9.01 R		160	80	<10	235	12.1
2008	3	24	9:45 AM	44.123	10.5	8.23	10.05 R				<10	259	10.7
2008	2	19	10:45 AM	75.05	4.4	8.06	12.58 R				<10	216	53.3
2008	1	15	10:00 AM	19.072	3.2	8.19	12.69 R				<10	264	4.94
2007	12	12	11:15 AM	53.098	3.4		12.02 R				10	240	7.39
2007	10	29	1:00 PM	17.449	13.5	8.41	9.67 R				207	<10	7.33
2007	9	24	10:10 AM	0.82	24.2	7.55	5.94 R				<10	197	6.37
2007	8	20	9:45 AM	0.97	27	7.78	4.69 R		160	50	<10	244	13.2
2007	7	16	10:00 AM	44.442	27.7	7.99	6.53 R		230	120	<10	209	11.8
2007	7	9	10:50 AM	0					50	30			
2007	6	11	9:40 AM		21.1		7.76 R		>10,000	9,200	1,378	117	>1,000
2007	5	7	10:30 AM		18.5	7.7	9.03 R		8,900	>10,000	858	167	>1,000
2007	4	2	10:30 AM	121.27	16.7	8.05	8.9 R		380	350	11	211	27.9
2007	2	26	10:00 AM	1.853	8	8.09	10.58 R				<10	211	11.1
2007	1	22	10:00 AM	0.68	2	8.08	12.51 RI				<10	191	4.13

2006	12	19	9:45 AM	0	7.6	7.27	7.3 PT				<10	261	7.21
2006	11	13	9:30 AM	0	8.5	7.45	3.69 PT				11	247	7.97
2006	10	16	10:00 AM	0	14.6	7.36	2.61 PT				<10	222	16.4
2006	9	11	9:15 AM	0	22.7	7.47	5.65 PT		10	25	12	132	19.6
2006	8	25	5:00 AM		27.2		5.55 PT						
2006	8	7	11:45 AM	0	28.9	7.74	5.9 PT		15	5	10	156	5.3
2006	7	3	1:15 PM	0									
2006	6	12	12:15 PM	0.75	26.3	7.8	6.12 R		310	340	13	200	16
2006	6	1	8:00 AM	4.807	23.1	8	5.57 R						10.1
2003	6	17	1:15 PM	12.761	27.9	7.97	8.19 R		80	40	10*	221*	6.51
2003	5	13	2:15 PM	250	18.9	7.27	7.82 R		>2,000	>2,000	470	158	364
2003	4	8	1:45 PM	27.693	10.8	8.1	9.85 RI		<10	40	10*	293*	10.3
2003	3	4	12:45 PM	54.331	7.4	8.04	11.38 RI				21*	209*	8.03
2003	1	28	1:00 PM	0.783	8.6	8.12	11.26 R				<10	230	2.95
2002	12	17	12:45 PM	1.139	7.5	7.83	11.4 RI				<10	229	4.82
2002	11	19	1:15 PM	0.028	12.1	7.4	5.82 R				<10	220	2.59
2002	10	15	1:15 PM	0	14.9	7.37	10.28 PT		<20	<20	<10*	192*	4.62
2002	9	10	1:15 PM	0	27.7	7.81	8.67 PT		<10	<10	<10	157	8.86
2002	8	6	1:45 PM	0	32	8.12	7.97 PT		<10	<10	<10	310	9.69
2002	7	9	1:45 PM	0.921	32.4	7.86	7.87 R		10	20	<10	220	9.71
2002	5	28	1:00 PM	86.198	21.4	7.36	7.42 R		>800	170	45	165	72
2002	4	23	1:00 PM	1.353	20.3	7.77	7.2 R		90	50	<10	207	8.39
2002	3	19	1:00 PM	0.304	10.6	7.86	8.54 R				16	211	14.6
2002	2	12	1:15 PM	0.626	6	7.79	12 R				<10	185	6
2002	1	8	1:00 PM	0.074	8.4	6.88	8.09 R				<10	233	3.23
2001	12	4	12:45 PM	0.1	14.7	7.65	9.68 PT				<10	205.5	4.29
2001	10	23	1:45 PM		23.8	7.71	7.57 R		10	50	<10	174.5	10.6
2001	9	18	1:15 PM	0	23.5	6.59	6.31 PT	>600	>800	220	20	195	37.9
2001	9	4	1:15 PM	0	26.8	7.93	7.6 PT						16.7

2001	8	14	2:15 PM	0	29.8	7.22	8.51 PT		<5	<5	<1	151	16.5
1997	11	18	2:06 PM	1.62									

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2013	4	15	10:15 AM	375.5	<0.02	0.09		0.26	0.03	0.006	7.7	32.3	169	158	
2013	3	11	11:15 AM	351.1	<0.02	1.03		0.44	0.027	<0.005	6.7	26.2	189	139	
2013	2	5	9:30 AM	465.9	<0.02	<0.02		0.41	0.027	<0.005	15.5	26	245	212	
2013	1	7	10:45 AM	749	<0.02	<0.02		0.74	0.038	<0.005	77.8	30.6	339	222	
2012	11	26	10:15 AM	592	<0.02	<0.02		0.7	0.042	<0.005	51.7	26.9	252	198	
2012	10	22	9:30 AM	379.3	<0.02	<0.02		0.68	0.045	<0.005	16.9	20.3	176	138	
2012	9	10	9:30 AM	399.4	<0.02	<0.02	0.06	0.54	0.026	0.007	31	29.5	161	124	*Exceeded hold time.
2012	8	6	12:00 PM	432.5	<0.02	0.25	0.049	0.63	0.028	0.006	46.5	23.2	213	125	
2012	7	17	8:30 AM												
2012	7	9	9:00 AM	324.1	<0.02	<0.02	0.033	0.32	0.025	<0.005	10.8	12.4	152	144	*Exceeded hold time.
2012	5	29	9:30 AM	409.3	<0.02	0.03		0.4	0.069	0.016	8.4	20.4	181	157	Elevated flow.
2012	4	23	9:45 AM	416.4	<0.02	<0.02		0.25	0.019	<0.005	6.7	21.9	219	190	
2012	3	19	10:30 AM	395.6	<0.02	0.03		0.28	0.057	0.021	11.4	26.6	194	162	
2012	2	13	11:00 AM	369	<0.02	0.44		0.28	0.014	<0.005	11.4	27	265	180	
2012	1	9	10:15 AM	353.8	<0.02	0.42		0.36	0.048	<0.005	8.5	25.2	181	165	
2011	12	6	10:30 AM	319.9	<0.02	<0.02	<0.015	0.55	0.038	0.008	48.7	18.2		102	
2011	10	24	11:00 AM	415.4	<0.02	<0.02	<0.015	1.04	0.035	0.007	99.1	11.7		85	
2011	9	19	10:30 AM	371.3	0.16	0.73	0.08	0.72	0.011	0.01	47.8	29.8		128	
2011	9	7	11:00 AM												
2011	8	15	10:15 AM	289.4	<0.02	0.12	0.07	1.39	0.031	0.01	17.2	16.9		108	
2011	7	11	10:00 AM	328.6	<0.02	<0.02	0.078	0.69	0.044	0.006	12.8	7.7		154	*Exceeded hold time. pH was 2.53 at PB.

2011	7	5	8:15 AM												
2011	6	6	9:00 AM	380.2	<0.02	0.03	0.034	0.41	0.036	0.006	8.1	16		162	*Exceeded hold time.
2011	5	31	7:45 AM												
2008	4	28	10:45 AM	386.5	<0.02	<0.02	<0.015	<0.11	0.047	0.011	22.6	23.4	188	170	
2008	3	24	9:45 AM	431.3	<0.02	0.05	<0.015	<0.11	0.018	0.008	16.8	23.1	216.2	201	
2008	2	19	10:45 AM	298	<0.02	0.24	<0.015	0.29	0.063	0.013	11.3	18.1	137.3	125	
2008	1	15	10:00 AM	473.1	<0.02	<0.02	<0.015	<0.11	0.022	0.008	28.8	30.9	239	193	
2007	12	12	11:15 AM	453.6	<0.02	0.15	<0.015	<0.11	0.023	0.008	7.6	19.7	229.2	218	
2007	10	29	1:00 PM		0.06	0.19	<0.015	<0.11	0.023	0.006	15	15.3	187.7	160	
2007	9	24	10:10 AM		<0.02	0.12	<0.015	<0.11	0.022	0.008	16	16.8	48.1	148	
2007	8	20	9:45 AM		<0.02	0.14	<0.015	<0.11	0.04	0.009	52.7	21.3	194.9	174	
2007	7	16	10:00 AM	364	<0.02	0.05	<0.015	0.16	0.043	0.01	4.6	11.8	169.2	160	
2007	7	9	10:50 AM												
2007	6	11	9:40 AM	89	<0.02	0.15	<0.015	2.05	0.801	0.264	12.5	6	48.8	61	High flow.
2007	5	7	10:30 AM	132	<0.02	0.16	<0.015	2.12	0.621	0.164	2	4.2	67.2	65	High flow.
2007	4	2	10:30 AM	317.3	<0.02	0.26	<0.015	0.23	0.087	0.016	4.5	15.9	167.1	147	
2007	2	26	10:00 AM	362.3	<0.02	0.31	<0.015	0.15	0.029	0.006	45.8	28	187	170	
2007	1	22	10:00 AM	376.7	<0.02	0.06	<0.015	0.18	0.031	0.013	13.4	18.9	198.5	169	
2006	12	19	9:45 AM	415.6	<0.02	0.16	<0.015	<0.11	0.026	0.017	25.2	33.9	211.4	165	
2006	11	13	9:30 AM	422	<0.02	<0.02	0.024	0.66	0.065	0.01	10.4	14.2	218.6	87	
2006	10	16	10:00 AM	319.5	<0.02	0.1	0.021	<0.11	0.021	0.014	29.7	13	160	134	
2006	9	11	9:15 AM	218.6	<0.02	0.06	<0.015	0.11	0.013	0.012	40.8	11.9	106.6	67	
2006	8	25	5:00 AM												
2006	8	7	11:45 AM	276.4	<0.02	0.09	0.029	0.2	0.035	<0.005	10.3	13.9	110.4	92	
2006	7	3	1:15 PM												
2006	6	12	12:15 PM	411.7	<0.02	0.05	<0.015	0.21	0.036	0.007	7.9	16.7	194.2	199	
2006	6	1	8:00 AM	420										164	
2003	6	17	1:15 PM	440.6	0.06*	0.03*	<0.015	0.25	0.046	<0.005	6.1*	18.8*	205.6	197	*Exceeded hold time.
2003	5	13	2:15 PM	241.9	0.02*	0.48*	0.142	0.676	0.22	0.151	5.5*	16.5*	140.2*	136	*Exceeded hold time.
2003	4	8	1:45 PM	484.1	0.02	0.05	<0.015	0.141	0.044	0.007	19.28	25.91	215.5	177	*Exceeded hold time.

2003	3	4	12:45 PM	452	0.01*	0.58*	<0.015	<0.11*	<0.005	<0.005	9.8*	27.6*	193.7*	176	*Exceeded hold time.
2003	1	28	1:00 PM	487.8	<0.01	0.09	<0.015	0.136	0.005	<0.005	12.7	22.8	207.1		
2002	12	17	12:45 PM	360.6	<0.01	<0.01	<0.015	<0.11	0.03	<0.005	10.34	17.9	180.9	163	
2002	11	19	1:15 PM	397.8	0.04	0.05	0.022	0.211	0.029	0.018	7.4	17.43	186.6	151	
2002	10	15	1:15 PM	324.9	<0.01*	0.55*	<0.015*	0.128*	0.026*	<0.005*	6.13*	16.42*	145.3*	124	*Exceeded hold time.
2002	9	10	1:15 PM	273.2	<0.01	0.48	<0.015	0.497	0.063	0.017	8.02	16.27	107.9	74	
2002	8	6	1:45 PM	319.6	<0.01	0.57	0.111	0.411	0.02	0.02	6.55	15.04	148.6	102	
2002	7	9	1:45 PM	370	<0.01	0.52	0.092	0.401	0.06	<0.005	5.28	15.58	175.6	170	
2002	5	28	1:00 PM	214.4	0.07	0.73	0.064*	0.478*	0.096*	0.032*	2.82	7.46	100.7	58	*Exceeded hold time.
2002	4	23	1:00 PM	391.6	<0.01	0.53	0.139	0.46	0.037	0.01	14.49	21.8	171.6	111	
2002	3	19	1:00 PM	378.6	0.1	<0.01	0.113	0.385	0.029	0.008	6.12	18.29	203	129	
2002	2	12	1:15 PM	342.3	0.29	<0.01	0.068	0.318	0.037	0.015	5.03	16.58	181.3	143	
2002	1	8	1:00 PM	405.8	<0.01	<0.01	0.098	0.388	0.014	<0.005	7.59	15.74	206.42	170	
2001	12	4	12:45 PM	363	<0.01	<0.01	0.049	0.294	<0.005	<0.005	4.75	12.57	196	127	
2001	10	23	1:45 PM	269.3	0.48	0.51	0.121	0.438	0.018	<0.005	3.7	12.1	140.5	98	Low flow.
2001	9	18	1:15 PM	339.6	<0.01	0.74	0.269	0.645	0.05	<0.005	8	37	146.1	101	
2001	9	4	1:15 PM	317										96	DO was 5 at PB.
2001	8	14	2:15 PM	289.6	<0.01	0.51	<0.015	0.54	0.059	0.027	9.66	17.02	106.7	52	
1997	11	18	2:06 PM												

IR WBID OK121400030170_00				OCC WBID OK121400-03-0170R				North Buck Creek					
Sampling Agency: Oklahoma Conservation Commission							County: Osage						
Sampling Location: Latitude 36.96605 Longitude -96.36583 (NBU-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	20	9:45 AM	41.453	9.3	8.17	10.53 R	30	20	300	12		5.26
2001	2	13	10:15 AM	51.497	5.7	8.23	11.72 R	200	74	170	<1		14.3
2001	1	9	11:15 AM	15.599	1.2	8.39	13.95 RI	80	52	400	7		8.54

2000	11	28	9:15 AM	1.711	7.3	7.78	12.41 R	<10	<10	<10	1		1.9
2000	10	24	9:45 AM	0	19.3	8.09	7.97 PT	<10	10	600	<1		8.16
2000	9	19	9:45 AM	0	21.8		7.27 PT	40	10	20	18		8.76
2000	8	15	9:15 AM	0.145	28		6.32 R	10	<10		2		7.52
2000	7	11	11:00 AM	4.226	30.6	8.09	7.05 R	20			2		7.36
2000	6	6	9:30 AM	3.151	23.5	8.12	6.03 RI	<100			13		7.22
2000	5	2	11:45 AM	26.14	18.9	7.85	7.88 R	2,600			10		15.3
2000	3	20	4:55 PM		11.5		11.45 R	<100			9		16.1
2000	2	15	10:35 AM	0.839	6.9		11.32 R	<100			4		5.96
2000	1	10	4:00 PM	2.846	7.8		11.45 R	<100			1		7.08
1999	12	7	9:45 AM	12.072				4,400					
1999	11	2	6:55 AM	6.002				<100					
1999	9	28	10:45 AM	2.659				200					
1999	8	16	5:30 PM	0				<100					
1999	8	9	9:30 AM	0.5									
1999	7	13	11:00 AM	14.404				200					
1999	6	15	2:40 PM	8.833				<100					
1999	5	18	12:30 PM	21.776				5,000					
1999	4	20	11:30 AM	6.974				10,500					
1998	9	25	10:30 AM	0.443									
1997	12	17	8:30 AM	10									
1997	12	16	3:00 PM	6.6									

Year	Month	Date	Time	Cond. $\mu\text{S}/\text{cm}$	NO_2^- mg/L	NO_3^- mg/L	$\text{NO}_3^-/\text{NO}_2^-$ mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2001	3	20	9:45 AM	404.8			0.22	<0.05	<0.05	0.009	0.007	<5	21.5	206	193	
2001	2	13	10:15 AM	387.6			0.57	<0.05	0.05	0.017	0.017	<5	19.1	196	158	
2001	1	9	11:15 AM	206.7			1.31	<0.05	0.32	0.026	0.008	<5	21.6	219	151	
2000	11	28	9:15 AM	276.8			0.24	<0.05	<0.05	0.016	<0.005	<5	18.4	212	184	
2000	10	24	9:45 AM	297.3			<0.05	<0.05	0.25	0.02	0.008	<5	11.1	153	133	
2000	9	19	9:45 AM	292.4			<0.05	0.14	0.21	0.028	<0.005	<5	15.1	156	124	
2000	8	15	9:15 AM	402.6			<0.05	<0.05	0.18	0.007	0.005	<5	16.7	200	162	
2000	7	11	11:00 AM	481.1			<0.05	<0.05	0.23	0.02	<0.005	<5	13.6	207	241	
2000	6	6	9:30 AM	416.3	<0.004	<0.01		<0.01	<0.1	0.074	<0.003	6	29.4	204	215	
2000	5	2	11:45 AM	366.9	<0.003	<0.01		<0.01	0.76	0.035	<0.005	5	16.5	182	217	
2000	3	20	4:55 PM	408	<0.002	<0.01		<0.021	0.33	0.033	<0.002	5	30.6	206	177	Elevated flow. DO was 11.63 in a RI.
2000	2	15	10:35 AM	740	<0.001	<0.04		0.053	0.23	0.02	<0.005	105	58.6	226	149	DO was 11.36 in a RI.
2000	1	10	4:00 PM	462	<0.001	<0.016		<0.01	<0.1	0.007	<0.003	8	28	260	161	DO was 11.97 in a RI.
1999	12	7	9:45 AM													
1999	11	2	6:55 AM													
1999	9	28	10:45 AM													
1999	8	16	5:30 PM													
1999	8	9	9:30 AM													
1999	7	13	11:00 AM													
1999	6	15	2:40 PM													
1999	5	18	12:30 PM													
1999	4	20	11:30 AM													
1998	9	25	10:30 AM													
1997	12	17	8:30 AM													

1997	12	16	3:00 PM										
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IR WBID OK121400040010_00					OCC WBID OK121400-04-0010F					Sand Creek			
Sampling Agency: Oklahoma Conservation Commission										County: Osage			
Sampling Location: Latitude 36.71919 Longitude -96.0074 (SAN-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	4	23	12:45 PM	15.42	15.4	7.69	9.3 R				15	300	17.1
2018	3	12	12:30 PM	16.976	10.3	7.57	11.37 R				15	220	25.6
2018	2	5	12:15 PM	2.851	3.2	7.62	13.32 R				<10	310	14.2
2018	1	8	12:15 PM	3.304	2.7	7.15	13.53 R				<10	320	9.65
2017	11	27	12:30 PM	1.534	10	7.24	8.1 R				<10	260	12.7
2017	10	23	12:15 PM	350	15.9	7.19	8.67 R				88	230	142
2017	9	26	8:30 AM						<20				35.5
2017	9	18	12:30 PM	1.835	23.5	7.35	5.7 R		<20*		14	300	25.3
2017	8	14	12:30 PM	48.231	25.8	7.28	7.14 R		160		16	130	34.1
2017	7	10	11:45 AM	32.328	29.8	7.51	6.79 R		100		20	170	28.4
2017	6	5	12:30 PM	114.83	25.2	7.33	6.82 R		2,300*		33	220	48.1
2017	5	1	12:30 PM	825	13.4	6.84	9.4 R				230	130	179
2017	3	27	12:45 PM	114.92	15.6	7.79	8.17 R				60	290	109
2017	2	27	12:30 PM	24.16	9.5	7.82	10.78 R				<10	210	9.56
2017	1	17	12:15 PM	2	5.2	7.7	11.58 R				20	200	37.8
2016	12	5	11:30 AM	1.524	8.1	7.31	7.8 R				<10	230	8.31
2016	11	7	11:30 AM	2.336	17.1	6.96	6.75 R				<10	170	10.8
2016	10	3	11:30 AM	1.661	20.3	7.29	7.45 R				<10	280	32.8
2016	8	29	12:15 PM	0.1	26.4	7.44	5.05 R		520		14	350*	46.8
2016	7	25	1:00 PM	4.151	31	7.53	5.19 R		40		16	200	37.8

2016	7	18	7:00 AM	36.1	31.3	7.88	5.75 R						19.4
2016	7	5	10:30 AM						220*				51
2016	6	20	11:15 AM	8.992	31.2	7.49	5.72 R		40		<10	190	24.9
2016	5	17	9:45 AM						2,400				265
2013	4	15	12:30 PM	28.032	16.8	7.94	9.17 R				15	239	26
2013	3	11	1:30 PM	3.475	9.4	7.72	10.21 R				394	279	378
2013	2	5	11:15 AM	1.279	8	7.79	9.93 R				15	268	32.9
2013	1	7	1:00 PM	0.354	5	7.43	12.37 R				<10	379	11.9
2012	11	26	12:30 PM	0.349	7.7	7.28	9.21 R				<10	314	18.7
2012	10	22	11:30 AM	0.459	19.8	6.87	6.75 R				18	244	84.4
2012	9	10	11:45 AM	0	21.2	7.47	4.5 PT		10*		22	386	15.4
2012	8	6	10:15 AM	0.12	29.3	7.51	6.45 R		290*		<10	303	25.3
2012	7	17	9:30 AM						45				
2012	7	9	10:30 AM	0.904	30	7.43	5.41 R		265*		30	254	37.6
2012	5	29	11:15 AM	3.797	27.4	7.68	7.15 R		210		<10	211	18.8
2012	4	23	11:30 AM	46.201	18.7	7.92					10	183	24.4
2012	3	19	12:45 PM		17.6	7.69	6.5 R				833	320	
2012	2	12	1:00 PM	33.945	2.4	7.29	12.43 R				<10	238	28.1
2012	1	9	12:15 PM	0.539	5.4	7.71	11.53 R				<10	482	12
2011	12	6	12:45 PM	0.235	4.2	7.51	10.98 R				<10	460	34.8
2011	10	24	1:15 PM		15.8	7.42	8.3 R				<10	473	9.1
2011	9	19	12:00 PM	0.201	21.2	7.58	7.62 R		90*	100*	26	321	58.6
2011	9	6	12:30 PM						35	115			54.3
2011	8	15	12:30 PM	6.88	28.7	7.43	6.22 R		110	280	45	230	52.9
2011	7	11	11:45 AM	0.336	34.7	7.67	6.13 R		20*	25*	14	358	15.8
2011	6	15	8:00 AM	17.143	27.8	7.42	4.69 R						29
2011	6	6	11:45 AM	6.65	30.4	7.62	6.86 R		60*	35*	<10	255	16.1
2008	4	28	1:00 PM	188.43	17.5	7.7	9.58 R		330	<10	10	191	20
2008	3	24	12:30 PM	125.74	10.8	7.63	10.63 R				18	230	84.5
2008	2	19	2:30 PM	230.86	5.1	7.52	13.04 R				26	218	105

2008	1	15	2:00 PM	21.266	4	7.92	13.85 R				<10	245	7.26
2007	12	12	2:15 PM	78.036	3.8	7.32	13.35 R				20	280	22.7
2007	10	30	8:00 AM	20.725	13	7.27	9.14 R				29	157	39.3
2007	9	24	12:00 PM	9.119	25.9	7.47	6.34 R				20	267	16.5
2007	8	20	11:45 AM	3.804	28.3	7.46	5.54 R		10	30	22	311	26.4
2007	7	16	12:00 PM	89.218	27.5	7.16	6.11 R		350	170	23	148	54.1
2007	7	9	11:45 AM						100	50			
2007	6	11	11:00 AM	0	24.5		6.12 PT		1,940	1,940	102	220	210
2007	5	7	12:30 PM		19.9	7	6.5 R		9,900	>10,000	997	173	>1,000
2007	4	2	12:30 PM	268	18.3	7.45	8.42 RI		390	210	35	170	89.5
2007	2	26	12:45 PM	3.606	10	7.39	10.13 RI				28	342	27
2007	1	22	1:00 PM	2.31	3.2	7.28	11.81 RI				<10	422	12.2
2006	12	19	12:30 PM	0.137	7.5	7.45	9.56 RI				<10	542	15.6
2006	11	13	12:00 PM	0.062	10.6	7.49	7.95 R				<10	502	5.6
2006	10	16	12:30 PM		14.5	7.62	7.08 R				<10	499	9.87
2006	9	11	12:00 PM		24.3	7.31	6.47 RI		70	10	25	550	12.21
2006	8	7	9:30 AM	0.044	29.2	7.33	4.04 R		260	80	11	362	21.4
2006	6	12	9:45 AM	2.26	27.2	7.41	4.24 R		640	510	<10	239	21
2006	6	7	8:30 AM	2.91	25.7	7.35	4.75 R						20.2
2003	6	17	9:45 AM	28.763	26.9	7.39	5.37 R		40	60	21*	132*	29.3
2003	5	13	10:20 AM	7.717	22.1	7.42	6.05 R		70	140	18	208	21.4
2003	4	8	10:30 AM	128.64	12.1	7.56	9.41 RI		310	200	12*	250*	18.7
2003	3	4	10:00 AM	120.8	6	7.7	11.77 RI				26*	249*	15.3
2003	1	27	2:45 PM	3.212	4.8	7.57	11.14 R				<10	254	5.83
2002	12	17	9:45 AM	2.593	7.2	7.08	8.9 R				<10	271	18.1
2002	11	19	9:40 AM	0.214	7.3	7.35	7.3 R				<10	289	15.1
2002	10	15	10:15 AM	0.432	11.7	7.35	7.75 R		280	20	20	234	20.6
2002	9	10	10:00 AM	0.338	24.8	7.27	3.73 RI		<10	270	31	225	43.2
2002	8	6	10:15 AM	3.946	29.8	7.6	5.13 RI		60	60	28	177	30.5
2002	7	9	10:30 AM	3.125	30.3	7.8	4.59 RI		50	40	17	191	16.4

2002	5	29	9:45 AM	410.19	20.6	6.56	7.2 R		1,060	800	39	157	71.2
2002	4	23	10:15 AM	29.158	19.2	7.48	6.56 RI		180	340	46	286.5	
2002	3	19	9:30 AM	2.818	10.9	7.61	8.44 R				22	255	27.4
2002	2	12	10:30 AM	14.083	5	7.29	12.69 RI				<10	233	19.6
2002	1	8	10:00 AM	1.1	3.9	7.04	11.39 R				13	322	8.59
2001	12	4	9:30 AM	0.68	11.1	7.3	9.13 R				<10	330.5	11.3
2001	10	23	9:45 AM	1.313	18.5	7.19	7.7 RI		60	80	<10	224.5	11.3
2001	9	18	10:00 AM	1.484	22.2	6.63	5.87 R	>600	1,770	630	70	276	
2001	9	10	2:00 PM	0.134	27.7	7.75	7.62 R						27.1
2001	8	14	10:15 AM	0.39	29.8	7.07	5.9 R		<5	25	15	233	22.9

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	4	23	12:45 PM	529.3	<0.02	0.05		0.44*	0.048	0.02	51	43.9	186	152	*Exceeded hold time.
2018	3	12	12:30 PM	350.3	<0.02	<0.02		0.48	0.058*	0.016	29.1	24.5	188	107	*Exceeded hold time.
2018	2	5	12:15 PM	558.4	<0.02	<0.02		0.4	0.05	0.023*	70.7	27.7	228	142	*Exceeded hold time.
2018	1	8	12:15 PM	511	<0.02	<0.02		0.38	0.033	0.014	72.5	26.9	266	135	
2017	11	27	12:30 PM	502.6	<0.02	<0.02		0.5	0.055	0.019	58.9	23.2	177	131	
2017	10	23	12:15 PM	305.2	<0.02	0.28		0.85	0.113	0.05	26.6	32.3	113	60	Unable to measure flow.
2017	9	26	8:30 AM												Low flow.
2017	9	18	12:30 PM	502.9	<0.02	<0.02	0.052	0.56	0.055	0.022	61.2	21.9	193	130	*Exceeded hold time.
2017	8	14	12:30 PM	191.5	<0.02	0.05	<0.015	0.68	0.068	0.017	13.7	20.4	88	62	
2017	7	10	11:45 AM	341	<0.02	0.05	0.015	0.62	0.056	0.014	26.8	16.5	126	114	
2017	6	5	12:30 PM	338.7	<0.02	0.06	<0.015	0.58	0.071	0.017	17.6	28.3	145	111	*Exceeded hold time.
2017	5	1	12:30 PM	140.6	<0.02	0.08		1	0.131	0.062	5.5	9.8	72	58	
2017	3	27	12:45 PM	506	1.46	<0.02		0.54	0.074	0.042	49.6	34.9	215	136	
2017	2	27	12:30 PM	376	0.06	<0.02		0.46	0.029	0.007	32.8	30.6	213	126	

2017	1	17	12:15 PM	332	0.23	0.16		0.6	0.061	0.02	39.1	18.6	186	77	
2016	12	5	11:30 AM	416.4	0.1	0.04		0.4	0.038	0.014	47.8	21.3	218	111	
2016	11	7	11:30 AM	302.9	0.05	0.06		0.43	0.04	0.013	27.7	14.8	135	86	
2016	10	3	11:30 AM	480.1	0.17	<0.02		0.55	0.056	0.018	58.5	14.4	240	138	
2016	8	29	12:15 PM	549	0.18	0.05	0.049	0.76	0.07	0.04	68.4	27.4	233	137	*Exceeded hold time.
2016	7	25	1:00 PM	369.1	0.05	<0.02	<0.015	0.48	0.049	0.019	34.6	19.2	136	72	
2016	7	18	7:00 AM	356.1									128	101	
2016	7	5	10:30 AM												*Exceeded hold time. Flow slightly elevated.
2016	6	20	11:15 AM	330.2	0.05	<0.02	0.019	0.5	0.049	0.012	23.4	14.1	145	113	
2016	5	17	9:45 AM												High flow.
2013	4	15	12:30 PM	444.5	<0.02	0.04		0.66	0.059	0.018	55.9	32.1	149	106	
2013	3	11	1:30 PM	446.7	<0.02	0.79		1.34	0.143	0.069	54.7	41.4	181	89	
2013	2	5	11:15 AM	493.9	<0.02	<0.02		0.51	0.057	0.016	61.2	25.2	172	126	
2013	1	7	1:00 PM	637	<0.02	<0.02		0.61	0.046	0.011	99.1	28	199	137	
2012	11	26	12:30 PM	510	<0.02	<0.02		0.6	0.05	0.013	81	30.7	234	121	
2012	10	22	11:30 AM	360.2	<0.02	0.23		0.88	0.075	0.029	38.9	29.3	120	79	
2012	9	10	11:45 AM	633	<0.02	<0.02	0.027	1	0.077	0.031	88.7	15.9	225	174	*Exceeded hold time.
2012	8	6	10:15 AM	527	<0.02	<0.02	0.029	1.52	0.095	0.015	64.5	21	175	146	*Exceeded hold time.
2012	7	17	9:30 AM												Low flow.
2012	7	9	10:30 AM	411.6	<0.02	<0.02	0.02	0.68	0.058	0.019	46.7	18.2	148	123	Exceeded hold time.
2012	5	29	11:15 AM	413.4	<0.02	<0.02		0.6	0.048	0.01	34.4	24.1	154	131	
2012	4	23	11:30 AM	267.6	0.05	0.22		1	0.056	0.019	21.1	26.3	125	87	
2012	3	19	12:45 PM	386.8	<0.02	0.42		1.94	0.591	0.245	37.1	39.2	172	122	Elevated flow.
2012	2	12	1:00 PM	422.4	<0.02	0.16		0.68	0.055	0.016	46.6	30.2	265	120	
2012	1	9	12:15 PM	864	<0.02	<0.02		0.35	0.059	0.008	176.7	49.4	270	132	
2011	12	6	12:45 PM	753	<0.02	0.12	<0.015	0.68	0.071	0.014	130.5	64		98	
2011	10	24	1:15 PM	814	<0.02	<0.02	0.047	0.61	0.038	0.018	178.5	28.1		153	
2011	9	19	12:00 PM	548	<0.02	0.07	0.035	1.08	0.1	0.026	51.2	18.5		135	*Exceeded hold time.
2011	9	6	12:30 PM												Trace flow.

2011	8	15	12:30 PM	401.3	<0.02	0.13	0.153	1.52	0.134	0.026	49.5	13.1		114	
2011	7	11	11:45 AM	595	<0.02	0.06	0.088	0.85	0.061	0.03	81.9	21.7		148	*Exceeded hold time.
2011	6	15	8:00 AM	505										129	
2011	6	6	11:45 AM	441.5	<0.02	<0.02	<0.015	0.56	0.052	0.011	35.6	22.7		133	*Exceeded hold time.
2008	4	28	1:00 PM	298.5	<0.02	0.09	<0.015	<0.11	0.056	0.012	19.7	20.7	118.7	99	
2008	3	24	12:30 PM	233.5	0.08	0.2	<0.015	<0.11	0.06	0.029	16	19.2	90.7	78	
2008	2	19	2:30 PM	273.7	<0.02	0.38	<0.015	0.45	0.097	0.041	16.3	20	107.9	97	
2008	1	15	2:00 PM	463.7	<0.02	<0.02	<0.015	<0.11	0.028	0.009	38.3	29.3	188.6	138	
2007	12	12	2:15 PM	490.4	<0.02	0.18	<0.015	0.25	0.035	0.016	55.2	73.8	165.1	78	
2007	10	30	8:00 AM		0.07	0.19	<0.015	0.25	0.068	0.024	17.7	11.7	105.6	95	
2007	9	24	12:00 PM		<0.02	<0.02	<0.015	<0.11	0.05	0.012	40.7	20.1	175.2	145	
2007	8	20	11:45 AM		<0.02	0.07	<0.015	<0.11	0.046	0.015	50.1	21.7	190.2	143	
2007	7	16	12:00 PM	208	<0.02	0.12	<0.015	0.34	0.083	0.02	11.9	10.9	81.6	65	
2007	7	9	11:45 AM												Flow is slightly elevated.
2007	6	11	11:00 AM	240.8	<0.02	0.1	<0.015	0.82	0.197	0.056	14.3	15.2	99.1	134	
2007	5	7	12:30 PM	96.3	<0.02	0.14	0.058	2.01	0.534	0.118	5	5.3	39.8	37	High flow.
2007	4	2	12:30 PM	190.5	<0.02	0.21	<0.015	0.62	0.106	0.28	12	15.4	82.4	63	
2007	2	26	12:45 PM	618	<0.02	<0.02	<0.015	0.45	0.064	0.012	148.8	54.7	177.4	80	
2007	1	22	1:00 PM	731	<0.02	0.07	<0.015	0.32	0.042	0.017	101.1	82.2	242.5	70	
2006	12	19	12:30 PM	930	<0.02	<0.02	0.032	0.59	0.026	0.014	188.7	50.5	272	117	
2006	11	13	12:00 PM	852	<0.02	<0.02	0.044	0.39	0.02	0.011	170.7	27.4	265.5	116	
2006	10	16	12:30 PM	800	<0.02	0.07	0.019	0.44	0.034	0.023	146.9	22.2	245.2	131	Trace flow.
2006	9	11	12:00 PM	822	<0.02	0.06	0.025	0.4	0.044	0.024	158.2	23.6	237.5	168	Trace flow.
2006	8	7	9:30 AM	635	<0.02	0.13	0.099	0.74	0.072	0.024	130.2	15.5	210.1	28	
2006	6	12	9:45 AM	422.3	<0.02	<0.02	<0.015	0.39	0.019	0.017	43.6	18.7	142.9	94	
2006	6	7	8:30 AM	386.6										94	
2003	6	17	9:45 AM	232.7	0.06*	0.09*	<0.015	1.261	0.091	0.007	16*	10.8*	103.2	93	*Exceeded hold time.
2003	5	13	10:20 AM	396.8	0.02*	0.16*	0.023	0.46	0.006	<0.005	36.8*	21.8*	156.9*	118	*Exceeded hold time.
2003	4	8	10:30 AM	381.4	<0.01	0.09	<0.015	0.354	0.077	<0.005	30.86	27.13	139.3	90	*Exceeded hold time.

2003	3	4	10:00 AM	519	<0.01*	0.34*	<0.015	<0.11*	0.02	<0.005	71.5*	34.2*	151.8*	86	*Exceeded hold time.
2003	1	27	2:45 PM	592	<0.01	0.09	<0.015	0.177	0.016	<0.005	83.5	32	162.2	99	
2002	12	17	9:45 AM	493.6	<0.01	0.11	<0.015	<0.11	0.036	<0.005	65.46	16.2	149.2	108	
2002	11	19	9:40 AM	557	<0.01	0.13	0.029	0.482	0.045	0.02	80.36	17.9	179.1	118	
2002	10	15	10:15 AM	401.2	<0.01	0.6	0.023	0.275	0.039	0.006	46.09	13.43	138.4	104	
2002	9	10	10:00 AM	387.4	<0.01	0.46	<0.015	0.566	0.074	0.019	45.02	11.08	130.6	95	
2002	8	6	10:15 AM	317.6	<0.01	<0.01	0.124	0.635	0.07	0.018	26.79	12.03	117.5	90	
2002	7	9	10:30 AM	316.6	<0.01	<0.01	0.184	0.715	0.114	<0.005	29.8	13.95	113.9	113	
2002	5	29	9:45 AM	215	0.06	0.58	0.065*	0.147*	0.04*	0.005*	14.92	15.49	80.4	49	*Exceeded hold time.
2002	4	23	10:15 AM	492.9	<0.01	0.65	0.289	1.087	0.149	0.144	64.68	47.9	147.5	56	
2002	3	19	9:30 AM	459.3	<0.01	0.51	0.156	0.543	0.085	0.015	59.4	27.63	156.3	54	
2002	2	12	10:30 AM	415.4	<0.01	0.58	0.154	0.466	0.038	0.018	56.5	29.74	136.2	65	
2002	1	8	10:00 AM	592	<0.01	0.53	0.152	0.528	0.033	<0.005	69.45	22.12	212.03	150	
2001	12	4	9:30 AM	601	<0.01	<0.01	0.084	0.562	0.006	0.005	81.65	19.87	216.6	102	
2001	10	23	9:45 AM	476.7	<0.01	0.54	0.172	0.406	0.016	<0.005	59.1	25.6	170.6	99	
2001	9	18	10:00 AM	535	<0.01	0.73	0.389	1.18	0.125	0.054	73.8	59.6	172	107	
2001	9	10	2:00 PM	640										131	DO was 7.78 in a RI, 8.18 at PT and 7.36 at PB.
2001	8	14	10:15 AM	462	<0.01	0.5	0.16	0.69	0.113	0.074	57.63	14.52	153	73	

IR WBID OK121400040010_00				OCC WBID OK121400-04-0010T				Sand Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.8449 Longitude -96.4257 (SAN-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	20	8:15 AM	7.074	7.5	8.08	10.95 R	80	31	60	8		19.2

2001	2	13	8:45 AM	21.913	4.5	8.14	11.52 R	700	1,198	900	6		26.5
2001	1	9	9:45 AM	2.154	0.2	7.29	12.73 RI	70	52	3,000	8		12.6
2000	11	28	8:15 AM		3.8	7.73	7.82 PT	<10	51	12,000	<1		3.45
2000	10	24	8:30 AM	0	18	7.43	0.95 PT				<1		7.21
2000	9	19	8:30 AM	0	19.2		6.78 PT	10	10	40	26		29.2
2000	8	15	8:00 AM	0	25.3		5.6 PT	140	160		2		10.9
2000	7	11	12:15 PM	0.353	28	7.68	6.49 R	390			8		7.68
2000	6	6	8:15 AM	0.664	20.3	7.76	5.62 RI	200			17		13.6
2000	5	2	9:45 AM	6.643	17.2	7.8	6.4 R	7,000			31		47.1
2000	3	20	3:15 PM	11.033	10.8		11.66 R	300			16		41.4
2000	2	14	4:10 PM	1.872	6.6		11.43 R	<100			5.5		6.67
2000	1	10	2:00 PM	3.162	6.3		11.09 R	<100			6		6.69
1999	12	7	7:00 AM	5.158				300					
1999	11	1	3:40 PM	0.488				400					
1999	9	28	9:15 AM	1.251				400					
1999	8	16	4:05 PM	0				<100					
1999	7	13	9:15 AM	4.354				100					
1999	6	15	4:00 PM	1.415				<100					
1999	5	18	10:45 AM	10				4,000					
1999	4	20	10:00 AM	2.644				2,700					
1999	2	24	10:40 AM	12									
1997	12	16	12:30 PM	1.6									

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	3	20	8:15 AM	430			0.09	<0.05	0.16	0.027	0.021	19.8	26.3	185	172	

2001	2	13	8:45 AM	389.2			0.58	<0.05	0.33	0.042	0.028	19.7	23.7	177	124	
2001	1	9	9:45 AM	247.8			0.63	<0.05	0.58	0.052	0.012	<5	36.4	270	148	
2000	11	28	8:15 AM	243.2			<0.05	<0.05	0.07	0.043	0.014	<5	15.2	201	161	Low flow.
2000	10	24	8:30 AM	290.8			<0.05	<0.05	0.65	0.092	0.016	<5	15.3	153	120	
2000	9	19	8:30 AM	280.3			<0.05	0.15	0.26	0.065	0.021	<5	21.4	142	116	
2000	8	15	8:00 AM	363.7			<0.05	<0.05	0.34	0.03	0.008	<5	14.2	187	148	
2000	7	11	12:15 PM	464.1			0.05	<0.05	0.18	0.042	0.005	<5	13.8	203	250	
2000	6	6	8:15 AM	351.6	0.005	<0.016		<0.003	0.35	0.092	<0.004	5.2	30.8	176	173	
2000	5	2	9:45 AM	351.8	0.005	<0.01		<0.01	0.61	0.064	<0.005	6	20	174	187	
2000	3	20	3:15 PM	389	<0.003	<0.01		<0.025	0.36	0.05	0.005	10	31.6	188	131	DO was 11.74 in a RI.
2000	2	14	4:10 PM	508	<0.001	<0.01		0.038	<0.1	0.015	<0.005	12	38.9	250	207	DO was 11.61 in a RI.
2000	1	10	2:00 PM	496	<0.005	<0.014		<0.01	<0.1	0.017	<0.002	9	29.5	260	164	DO was 11.26 in a RI.
1999	12	7	7:00 AM													
1999	11	1	3:40 PM													
1999	9	28	9:15 AM													
1999	8	16	4:05 PM													
1999	7	13	9:15 AM													
1999	6	15	4:00 PM													
1999	5	18	10:45 AM													
1999	4	20	10:00 AM													
1999	2	24	10:40 AM													
1997	12	16	12:30 PM													

IR WBID OK121400040010_00				OCC WBID OK121400-04-0010M				Sand Creek					
Sampling Agency: Oklahoma Conservation Commission (BlueThumb)							County: Osage						
Sampling Location: Latitude 36.72837 Longitude -96.18233 (SAN-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	9	7	10:30 AM		25								Base flow.
2018	7	17	3:30 PM										No flow.
2018	2	12	8:00 AM		1								Low flow.
2017	8	27	5:00 PM		28								Base flow.
2014	7	1	9:23 AM		27								
2013	9	13	9:00 AM	0.127									
2013	1	31	1:30 PM		10								
2012	7	7	10:37 AM	0.61	30								
2012	2	10	9:55 AM	17.1	6								
2011	7	22	10:00 AM	3.506	30								
2010	2	19	1:15 PM	29.2	3								
2009	7	15	1:30 PM	3.05	32								
2009	1	31	10:00 AM		4								Base flow.
2008	7	8	8:45 AM		30								Base flow.
2008	1	20	11:15 AM	20.48	15								
2007	8	18	9:23 AM	2.795	28								
2007	3	2	10:30 AM	2.04									

IR WBID OK121400040050_00					OCC WBID OK121400-04-0050C					Buck Creek			
Sampling Agency: Oklahoma Conservation Commission									County: Osage				
Sampling Location: Latitude 36.7452 Longitude -96.0756 (BUK-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	20	12:15 PM	19.487	10.3	7.94	9.71 R	100	122	170	30		20.8
2001	2	13	12:45 PM	13.338	5.2	7.25	11.77 R	3,000	2,481	600	22		52.6
2001	1	9	1:30 PM	9.039	1.3	7.36	12.63 R	50	86	400	10		10.3
2000	11	28	11:45 AM	0.512	6.7	7.44	11.29 R	20	31	<10	5		4.11
2000	10	24	12:00 PM	0	19	7.72	7.68 PT	20	203	1,000	22		21.8
2000	9	19	11:50 AM	0	21.1		9.1 PT	<10	<10	<10			5.71
2000	8	15	11:15 AM	0.009	27		5.51 R	20	20		6		10.2
2000	7	11	9:45 AM	1.189	29.7	7.61	5.11 R	50			2		5.46
2000	6	6	11:15 AM	3.063	23.3	7.78	6.26 RI	100			16		8.79
2000	5	2	1:45 PM	34.258	19.1	7.42	6.48 RI	3,300			35		58.1
2000	3	21	10:10 AM	9.456	10.5		10.46 R	100			16		33.1
2000	2	14	3:05 PM	5.693	8.2		10.9 R	<100			3		3.62
2000	1	11	10:30 AM	1.435	4.9		11.98 R	<100			2		8.44
1999	12	7	1:00 PM	5.087				3,800					
1999	11	2	10:36 AM	0.486				100					
1999	9	28	2:05 PM	2.194				500					
1999	8	17	9:45 AM	0				<100					
1999	7	13	3:15 PM	1.028									
1999	6	15	12:30 PM	1.232				<100					
1999	5	18	6:30 PM	17.194				200					
1999	4	20	4:00 PM	4.433				2,900					

1999	2	25	10:30 AM	17													
1997	11	17	9:50 AM	1.96													

Year	Month	Date	Time	Turb. NTU	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	20	12:15 PM	20.8	262.7			0.41	<0.05	0.46	0.032	0.015	23.7	27.8	84.4	69	
2001	2	13	12:45 PM	52.6	295.4			0.41	0.05	0.49	0.054	0.042	43.8	40.2	83.5	34	
2001	1	9	1:30 PM	10.3	381.8			0.21	<0.05	0.27	0.039	0.009	128	78.5	241	75	
2000	11	28	11:45 AM	4.11	484			<0.05	<0.05	0.22	0.033	0.006	175	46.6	176	92	
2000	10	24	12:00 PM	21.8	315.1			<0.05	<0.05	0.48	0.03	0.011	14.9	34.8	143	88	
2000	9	19	11:50 AM	5.71	578			<0.05	0.11	0.35	0.038	<0.005	79.1	41.8	212	127	
2000	8	15	11:15 AM	10.2	210.4			0.21	<0.05	0.45	0.06	0.025	51.9	34.8	214		
2000	7	11	9:45 AM	5.46	432.4			<0.05	<0.05	0.36	0.038	0.006	29.7	21.6	127	160	
2000	6	6	11:15 AM	8.79	392.2	0.012	0.129		<0.032	0.41	0.094	<0.004	42	28	142	146	
2000	5	2	1:45 PM	58.1	210	0.019	0.078		<0.01	0.99	0.108	<0.005	26	<0.74	84	53	
2000	3	21	10:10 AM	33.1	260	<0.003	0.074		<0.041	0.62	0.059	<0.002	30	10.4	89	75	DO was 10.91 in a RI.
2000	2	14	3:05 PM	3.62	480		0.01*		0.023		0.009		8	32.9	240	121	*Exceeded hold time. DO was 11.05 in a RI.
2000	1	11	10:30 AM	8.44	583	<0.005	0.069		<0.008	0.19	0.031	<0.002	76	44.1	200	98	DO was 12.13 in a RI.
1999	12	7	1:00 PM														
1999	11	2	10:36 AM														
1999	9	28	2:05 PM														
1999	8	17	9:45 AM														
1999	7	13	3:15 PM														
1999	6	15	12:30 PM														
1999	5	18	6:30 PM														

1999	4	20	4:00 PM																	
1999	2	25	10:30 AM																	
1997	11	17	9:50 AM																	

IR WBID OK121500010010_00			OWRB WBID		Verdigris River																
Sampling Agency: Oklahoma Water Resources Board				County: Wagoner																	
Sampling Location: Latitude 35.83925361 Longitude -95.3233325 (VER-3)																					
Year	Month	Date	Time	Temp., Water (°C)	pH	Dissolved Oxygen		TDS mg/L	Turb. NTU	Cond. µS/cm	T. Hardness mg/L CaCO ₃	Alk. mg/L	Periphyton Severity %	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
						mg/l	Sat.												Amount	Size	
2004	10	12	12:48 PM	20.6	7.64	6.23	69.6	172.8	47.0	270	157	118	21-40	442	None	None	None	None	Mild	Small	Pre
2002	4	2	2:00 PM	13.86	8.69	7.68	74.6	222.7	63.0	347.8	200	85	0	204	None	None	None	None	Mild	Medium	Pre

Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2004	10	12	12:48 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2004	5	4	12:11 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	10	6	11:30 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	5	5	2:15 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	3	31	4:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	4	2	2:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.006

Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2004	10	12	12:48 PM	<0.029	<0.19	<0.012	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2004	5	4	12:11 PM	<0.029	<0.19	<0.012	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	10	6	11:30 AM	<0.029	<0.19	<0.012	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	5	5	2:15 PM	<0.029	<0.19	<0.012	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.003	<0.086	<0.12	Pre
2003	3	31	4:00 PM	<0.029	<0.19	<0.012	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	4	2	2:00 PM	<0.029	<0.19	<0.012	<0.048	<0.048	<0.002	<0.04	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre

IR WBID OK121500010200_00				OWRB WBID 121500010200-001AT				Verdigris River													
Sampling Agency: Oklahoma Water Resources Board								County: Wagoner													
Sampling Location: Latitude 35.95547322 Longitude -95.4947762 (VER-4) (US 51)																					
Year	Month	Date	Time	Flow	Stream Stage ft	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L	Ortho-phosphate mg/L	T. Phos. mg/L
								mg/l	Sat.												
2018	10	8	2:35 PM	11.89 ft	11.89	24.7	7.82	7.63	91.8	19	182	20.7	315			0.32	0.08	0.54	0.86		0.128
2018	2	14	8:45 AM		12.24	4.95	8.26	13.17	103.1	20	280	19.0	488			2.12	0.08	0.85	2.97		0.284
2018	2	14	8:44 AM																		
2017	11	28	12:00 PM		12.45	12.38	7.87	10.4	98.4	10	164	11.3	335			0.23	0.08	0.37	0.6		0.067
2017	8	15	12:00 AM		12.08	29.12	7.57	6.99	91.2			49.0	272				0.08				
2017	8	1	12:02 PM			30.17	8.1	6.95	92.26	15	194	15.0	317			0.08	0.08	0.52	0.6		0.059

2017	5	23	1:03 PM		12.54	20.5	7.61	7.95	88.33	64	166	82.7	220			0.25	0.12	0.86	1.11		0.166
2017	4	11	9:05 AM		12.57	16.23	7.99	9.99	101.78	79	203	73.3	314			0.24	0.11	0.56	0.8		0.137
2017	4	11	9:03 AM																		
2017	1	31	10:45 AM		11.96	6.5	8.16	12.75	103.8	18	141	36.7	247			0.47	0.09	0.42	0.89		0.121
2017	1	31	10:33 AM																		
2016	11	2	9:53 AM		12.36	19.55	7.45	9.53	104	30	139	49.0	331			0.38	0.08	0.58	0.96		0.148
2016	11	2	9:51 AM																		
2016	9	6	3:32 PM		11.79	28.97	8.54	9.89	128.6	12	200	12.3	354			<0.05	0.08	0.67	0.695		0.082
2015	12	15	8:00 AM							296	126					0.21		1.3	1.51		0.328
2015	9	21	3:30 PM	0 cfs	12.47	26.96	8.41	6.76	84.86	<10	236	19.3	363			0.56	0.08	0.62	1.18		0.14
2015	9	21	3:28 PM								200										
2015	8	4	5:42 PM		12.62	29.79	8.02	8.26	109	18	176	12.7	417			0.21		0.56	0.77		0.096
2015	8	4	5:40 PM								271										
2015	5	19	5:22 PM		12.37	21.82	7.56		7.31	83.4	184	383.3	283			0.21	0.29	1.26	1.47		0.309
2015	5	19	5:20 PM								200										
2015	3	31	10:45 AM	0.12 cfs	11.77	12.07	7.49	7.26	67.6		294	28.7				0.77	0.27	1.38	2.15		0.143
2015	2	3	8:30 AM		11.97	11.15	7.89	11.17	101.8		179	21.0	276			0.67	0.08	0.66	1.33		0.195
2015	2	3	8:28 AM								183										
2014	12	8	2:20 PM		11.94	11	7.68	12.2	100.2		233	32.3	358			0.51	0.08	0.58	1.09		0.125
2014	12	8	2:18 PM								183										
2014	9	29	3:42 PM		12	27.19	7.92	7.43	93.6		283	26.0	436			0.93	0.08	0.82	1.75		0.144
2014	9	29	3:40 PM								255										
2014	7	16	7:46 AM		12.01	27.65	7.4	7.06	89.8		0.239	42.7	367			0.25	0.08	0.66	0.91		0.094
2014	7	16	7:44 AM								210										
2014	6	2	5:15 PM	2.86 cfs	12.67	23.67	6.98	7.45	88		233	97.7	359			0.29	0.12	0.72	1.01		0.164
2014	6	2	5:14 PM								201										
2014	3	24	12:47 PM		11.89	9.7	8.1	15.16	133.5		234	42.0	359.7			0.17	0.08	1.04	1.21		0.087
2014	3	24	12:45 PM								194										
2014	2	11	4:32 PM	0.11 cfs	11.84	1.8	8.3	14.2	98.5		68.4	25.0	342			0.53	0.08	0.9	1.43	0.22	0.115
2014	2	11	4:30 PM								199										

2013	11	19	4:15 PM	0.08 cfs	12.06	13.06	7.87	10.78	102.5		179	28.3	276			0.21	0.08	0.65	0.86	0.19	0.08
2013	11	19	4:11 PM								163										
2013	10	7	4:20 PM								181					1.28		0.79	2.07		0.169
2013	10	2	1:15 PM		0	24.45	7.68	7.29	87.5		168	9.3	259				0.08				
2013	9	17	11:05 AM								145					0.2		0.58	0.78		0.052
2013	8	6	8:05 AM								176					0.51		0.72	1.23		0.103
2013	7	23	9:30 AM																		
2013	7	15	3:45 PM																		
2013	7	8	3:40 AM																		
2013	6	17	4:20 PM																		
2013	3	5	5:07 PM	0.17 cfs	11.9	8.18	8.09	12.67	107.6		278	18.7	470			3.37	0.09	1.39	4.76	0.89	0.311
2013	3	5	5:03 PM								305										
2012	12	5	10:40 AM	0.05 cfs	11.9	12.87	8.29	10.54	99.9	10	233	15	358			1.48		0.65	2.13	0.15	0.094
2012	12	5	10:40 AM								206										
2012	9	25	9:49 AM	0.21 cfs	11.79	23.53	8.01	7.02	82.8		258	19	397			1.33	0.03	0.82	2.15	0.26	0.112
2012	5	8	12:28 PM							181	186					0.65		0.78	1.43		0.177
2012	1	25	4:51 PM	1 cfs	12.01	7.2	7.93	11.93	98.8		275	10.5	425				0.1			0.34	
2012	1	24	4:55 PM							17	278	13				2.6		0.89	3.49		0.126
2011	6	6	4:04 PM		12.09	22.12	7.53	7.71	88.5	47	232	68	453			0.67	0.18	0.33	1	0.16	0.113
2011	6	6	4:03 PM								293										
2011	2	14	4:36 PM		12	3.39	7.47	12.73	95.7	15	304	9.7	499			3.02	0.09	1.38	4.4	0.95	0.358
2011	2	14	4:35 PM								324										
2010	11	30	7:50 AM		12.01	11.11	7.67	9.86	94.7	12	202.1	17.3	315.8			0.36	0.1	0.59	0.95	0.27	0.078
2010	11	30	7:48 AM								186										
2010	8	30	12:20 PM		0	28.27	8.03	7.62	97.9	15	200	17	307			0.16	<0.08	0.56	0.72	0.06	0.06
2010	8	30	12:19 PM								164										
2010	5	25	7:25 AM		12.39	20.65	7.47	9.24	103.1	126	263	108	404			0.27	0.11	0.81	1.08	0.24	0.14
2010	5	25	7:22 AM								210										
2010	5	11	4:55 PM		0	12.7	8.5	14.14	133.4		279	11	429				0.08				
2010	2	16	3:40 PM							60						0.34		0.5	0.84		0.09

2010	2	16	3:37 AM																		
2009	12	15	8:50 AM	0.3 cfs	11.78	5.21	8.11	11.66	94.8	<10	212	32	326			0.39	0.06	0.46	0.85	0.24	0.097
2009	12	15	8:50 AM																		
2009	12	15	8:46 AM																		
2009	12	15	8:46 AM																		
2009	10	27	10:33 AM		0	13.54	7.25	9.38	90.1	16	151	32	236			0.39	<0.08	52	0.91	0.26	0.109
2009	10	27	10:33 AM								154										
2009	7	28	11:15 AM			27.76	7.85	7.25	93.5	50	218	88.3	336			0.51	<0.1	0.65	1.16	0.17	0.12
2009	7	28	11:10 AM								232										
2009	4	21	12:38 PM		12.48	13.88	7.42	9.96	96.5	170	197	167.7	304			0.32	0.34	1.06	1.38	0.11	0.199
2009	4	21	12:38 PM								198										
2008	11	18	11:35 AM			10.76	7.91	10.96	99		203	43	312			0.27	<0.08	0.53	0.8	0.08	0.085
2008	11	18	11:30 AM								185										
2008	10	7	1:24 PM			21.6	8.05	9.32	106		159	21	246			0.27	0.07	0.5	0.77		0.067
2008	10	7	1:24 PM								161										
2008	7	29	11:00 AM			28.96	7.69	7.23	94		181	27	280			0.33	0.04	0.5	0.83	0.21	0.091
2008	7	29	10:18 AM								151										
2008	4	22	10:50 AM			16	7.71	10.42	105.6		180	230	279			0.32	0.27	0.99	1.31	0.06	0.199
2008	4	22	10:50 AM								212										
2008	2	11	1:00 PM			4.69	7.84	13.14	102.3		202	52	312			0.2	<0.08	0.66	0.86	0.02	0.085
2008	2	11	12:55pm								189										
2007	12	4	3:22 PM			11.02	8.4	11.63	105.6		229	38	353			0.89	0.03	0.72	1.61	0.25	0.179
2007	12	4	3:22 PM								205										
2007	12	4	3:22 PM																		
2007	10	22	1:42 PM			20.35	7.95	7.51	83.4		351	36	541			0.61	0.03	0.66	1.27		0.15
2007	10	22	1:42 PM																		
2007	3	27	4:32 PM			19.93	7.5	6.31	69.4		128.1	248	200.2			0.52	0.27	1.33	1.85	0.231	0.241
2007	3	27	4:32 PM																		
2007	2	27	5:39 PM			11.36	8.84	16.44	150.6		261	61	402			1.5	0.31	1.87	3.37	0.195	
2007	2	27	5:39 PM																		

2006	12	18	4:58 PM			9.18	8.22	13.09	113.9		282	14	435			2.29	<0.05	0.96	3.25	0.249	0.324
2006	9	19	10:32 AM			24.61	7.55	5.25	66		208	23	325			0.78	0.07	0.67	1.45	0.062	0.127
2006	7	18	10:30 AM			30.86	8.47	6.73	90.5		218	7	337			0.67	<0.05	1.13	1.8	0.089	0.2
2006	6	14	9:35 AM			26.9	7.9	6.8	88.6		159	8	249			0.48	<0.05	0.58	1.06	0.036	0.076
2006	4	11	11:35 AM			17.03	7.56	9.67	110.3		329.9	7	615.5			2.35	<0.05	0.95	3.3	0.155	0.215
2006	2	28	2:01 PM			8.35	8.34	13.35	114.5		268	6	419			2.36	<0.05	1.28	3.64	0.21	0.291
2006	1	10	1:45 PM			7.38	7.78	12.19	97.6		252	10	394			2.1	0.1	1.03	3.13	0.185	0.22
2005	11	16	1:04 PM			15.88	7.82	8.98	90.9		138	16	217			0.65	<0.05	0.48	1.13	0.122	0.181
2005	11	15	1:10 PM																		
2005	10	4	1:55 PM			25.04	7.84	8.06	97.1		137	20	216			0.27	<0.05	0.22	0.49	0.066	0.11
2005	7	12	12:49 PM			28.55	7.36	8.05	104		162	49	253			0.19	0.07	0.51	0.7	0.044	0.102
2005	3	8	12:20 PM																		
2005	2	22	1:35 PM			9.05	7.8	11.4	98.6		181	31	284	<0.05	0.32		0.09	0.33	0.675	0.059	0.083
2004	11	30	4:40 PM			9.97	7.86	11.12	98.9		189	52	295	<0.05	0.29		0.17	0.48	0.795	0.095	0.124
2004	11	26	1:25 PM			19.51	7.38	6.78	74.1		170	51	266	<0.05	0.69		0.07	0.54	1.255	0.113	0.192
2004	10	13	9:16 AM																		
2004	10	12	4:43 PM			19.78	7.54	6.67	73.2		173.9	46	271.5	0.08	1.81		0.12	0.69	2.58	0.196	0.246
2004	10	12	4:10 PM			20.41	7.58	6.84	76.1		183.9	41	287.4								
2004	9	14	3:00 PM																		
2004	8	24	2:30 PM			27.23	8.44	8.7	110.4		171.7	23	268	<0.05	0.16		<0.05	0.63	0.815	0.032	0.076
2004	8	10	11:40 AM																		
2004	7	22	2:00 PM																		
2004	7	20	5:15 PM			27.97	7.9	7.6	97.5		173	28	271	<0.05	0.4		<0.05	0.49	0.915	0.07	0.108
2004	7	6	5:30 PM			27.91	7.09	5.17	66.2		140.5	66	219.5	<0.05	0.3		0.13	0.75	1.075	0.108	0.162
2004	6	22	12:32 PM																		
2004	6	2	4:14 PM																		
2004	5	4	2:34 PM			17.96	7.54	8.75	92.8		171	113	267.1	0.06	0.4		0.08	0.75	1.21	0.062	0.162
2004	4	5	5:30 PM		61	15.29	7.67	9.2	91.4		174.3	95	272.3	<0.05	0.46		0.12	0.77	1.255	0.095	0.151
2004	3	10	12:34 PM		60.5	8.99	7.99	10.4	89.1		198.4	210	310	<0.05	0.26		0.17	0.94	1.225	0.153	0.191
2003	11	3	4:00 PM			17.76	7.8	7.97	87.3		154.1	42	242.1	<0.05	0.44	<0.05		0.54	1.005	0.069	0.086

2003	10	6	2:30 PM		62.5	20.87	7.48	7.09	78.6		236.9	28	370.3	0.06	0.65		<0.05	0.49	1.2	0.079	0.102
2003	7	8	6:30 PM			28.84	7.62	5.72	72.4		131.3	104	205.2	<0.05	0.44		<0.05	0.66	1.125	0.071	0.132
2003	5	5	4:45 PM			26.96	7.63	8.49	99.7		201.7	64	315.1	<0.05	0.37		<0.05	0.6	0.995	0.089	0.123
2003	3	31	5:00 PM									120		0.06	0.1		0.07	0.62	0.78	0.1	0.162
2003	3	4	2:30 PM			5.97	8.1	10.81	90		327.9	19	512.4	<0.05	2.1		0.05	1.16	3.285	0.286	0.379
2003	2	3	10:00 AM		61.5	6.03	7.81	13.43	111.7		267.1	7	417.3	0.07	1.58		<0.05	0.62	2.27	0.211	0.277
2002	12	16	10:30 AM		61.5	7.49	8.07	9.26	80.8		136.8	15	213.8	<0.05	1.11		<0.05	0.39	1.525	0.079	0.107
2002	11	18	10:00 AM			11.76	7.74	7.2	69.6			213.6	333.8	<0.05	1.47		<0.05	0.61	2.105	0.12	0.147
2002	9	23	10:19 AM		61	24.86	7.62	5.29	67.2		216.2	37	337.7	<0.05	0.56		<0.05	0.41	0.995	0.072	0.113
2002	8	26	10:45 AM		61	29.32	7.95	5.49	74.2		214.5	31	335.2	<0.05	0.62		0.08	0.42	1.065	0.054	0.092
2002	8	5	10:00 AM		62	30.89	7.76	7.45	98.4		194.2	23	303.5	<0.05	0.34		<0.05	0.78	1.145	0.043	0.087
2002	6	24	5:15 PM		61	12.2	7.69	7.3	68.3		218.9	105	340.1	<0.05	0.45		<0.05	0.48	0.955	0.117	0.175
2002	5	28	10:40 AM			20.63	7.49	8.17	95.5		203.8	69	318.5	<0.05	0.43		<0.05	0.62	1.075	0.085	0.105
2002	4	1	10:45 AM			12.38	8.74	8.64	81.2		314.8	39	491.8	<0.05	1.63		0.1	1.41	3.065	0.116	0.207
2001	11	27	12:30 PM			10.72	7.3				156.4	29	244.3	0.1	0.98			0.65	1.73	0.131	0.57
2001	9	17	2:45 PM			25.96	7.87	5.97	73.2		290.3	22	453.5	0.08	0.81			0.76	1.65	0.06	0.104
2001	7	30	2:45 PM			32.77	8.18	8.03	114.8		203.7	17	318.2	<0.05	<0.05			0.47	0.52	0.026	0.055
2001	6	26	12:30 PM			26.12	7.47	8.82	106.2		173.4	62	271	0.05	0.57		<0.05	0.63	1.25	0.073	0.124
2001	5	30	12:15 PM			20.81	7.52	7.67	84		147	327	230	0.13	0.58		0.1	1.21	1.92	0.188	0.45
2001	5	30	12:00 PM																		
2001	5	2	1:17 PM			20.73	7.72	8.41	92.1		206.1	100	320.2	0.05	0.9		<0.05	0.61	1.56	0.117	0.24
2000	11	27	11:50 AM							<1				<0.05	0.88		0.07	0.56	1.465	0.085	0.155
2000	9	28	12:15 PM			22.11	7.83	5.88	66.7		233	22	364.6	<0.05	<0.05		<0.05	0.43	0.48	0.035	0.108
2000	8	22	11:20 AM			30.04	7.88	4.98	68.2	20	199	40	311	0.06	0.07		<0.05	0.45	0.58	0.029	0.099
2000	8	22	11:20 AM								178										
2000	7	31	11:45 AM			27.26	7.65	8.3	109.4	196	176.5	127	275.8	0.08	0.29		0.05	0.64	1.01	0.134	0.23
2000	7	31	11:45 AM								168										
2000	6	19	12:30 PM			24.04	7.6	4.57	56.9	86	209.1	70	326.7	0.07	0.79		0.09	0.7	1.56	0.223	0.252
2000	6	19	12:30 PM								223										
2000	5	31	8:00 AM			23.33	7.87	6.53	80.7	162	174	106	272	0.08	0.16		<0.05	0.41	0.65	0.081	0.193

2000	5	31	8:00 AM								186										
2000	4	3	10:22 AM			13	7.7	10.09	100.9		207.5	72	324.2	0.05	0.24						0.42
2000	2	28	10:40 AM			11.41		7.63	73	144	271.3	89	426	<0.05	0.2		0.21	0.53	0.755	0.076	0.271
2000	2	28	10:40 AM								214										
1999	11	10	8:50 AM			16.36	7.7	7.96	84.7	3	219.2	29	342.2	<0.05	0.18		<0.05	0.43	0.635	0.131	0.161
1999	11	10	8:50 AM								108.1										
1999	10	18	8:20 AM			19.36	7.41	5.62	63.6	24	208	37	325.5	<0.05	1.14		<0.05	0.33	1.495	0.119	0.166
1999	10	18	8:20 AM								206										
1999	9	29	8:20 AM	0 cfs		20.85	7.41	5.91	66.2	54	184	95	287.2	0.09	0.69		<0.05	0.41	1.19	0.117	0.176
1999	9	29	8:20 AM								186										

Year	Month	Date	Time	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Chlor a mg/m ³	Pheophytin a mg/m ³	Pheriphytin a mg/m ³	Periphyton Severity %	E. coli MPN/100 ml	Enterococcus cfu/100 ml	Fecal Coliform cfu/100 ml	ORP mV
2018	10	8	2:35 PM	0.128	10.6	36.8	139	112	9.89		3.09	1-20				
2018	2	14	8:45 AM	0.284	35.9	58	210	86	17.8	12.4		21-40				
2018	2	14	8:44 AM													
2017	11	28	12:00 PM	0.067	11.8	37.8	140	134	7.21	2.25		21-40				
2017	8	15	12:00 AM				100	80				1-20				
2017	8	1	12:02 PM	0.059	<10	35.8	142	111	14.3	4.23		21-40				
2017	5	23	1:03 PM	0.166	<10	61.4	99	99	4.61	0.53		0				
2017	4	11	9:05 AM	0.137	10.8	56.3	136	120	5.81	1.97		0				
2017	4	11	9:03 AM													
2017	1	31	10:45 AM	0.121	<10	38.6	116	130	4.17	0.6		1-20				
2017	1	31	10:33 AM													
2016	11	2	9:53 AM	0.148	<10	40.5	91	67	2.71	<0.5		0				

2016	11	2	9:51 AM														
2016	9	6	3:32 PM	0.082	13.7	47.1	145	115	23.8		6.01	1-20					
2015	12	15	8:00 AM	0.328	10.7	41.5			6.35	15.2							
2015	9	21	3:30 PM	0.14	13.7	42	135	99	5.64	1.37		41-60					
2015	9	21	3:28 PM														
2015	8	4	5:42 PM	0.096	<10	32.1	136	99	17.4	2.41		41-60					
2015	8	4	5:40 PM														
2015	5	19	5:22 PM	0.309	13.2	68.8	117	94	3.65	<0.1		0					
2015	5	19	5:20 PM														
2015	3	31	10:45 AM	0.143	42	67.1	158	107	8.69	2.91		21-40					
2015	2	3	8:30 AM	0.195	13.9	37.6	194	102	13.2	2.68		21-40					
2015	2	3	8:28 AM														
2014	12	8	2:20 PM	0.125	11.2	32.6	140	105	4.49	1.53		21-40					
2014	12	8	2:18 PM														
2014	9	29	3:42 PM	0.144	33.8	50.3	141	108	7.94	1.4		41-60					
2014	9	29	3:40 PM														
2014	7	16	7:46 AM	0.094	13.3	46.8	163	126	4.88	3.43		21-40					
2014	7	16	7:44 AM														
2014	6	2	5:15 PM	0.164	13.8	60	155	109				21-40					
2014	6	2	5:14 PM														
2014	3	24	12:47 PM	0.087	20.3	45.3	159	123	39.5	8.3		41-60					301
2014	3	24	12:45 PM														
2014	2	11	4:32 PM	0.115	15	42.7	180	147	15.7	3.4							
2014	2	11	4:30 PM														
2013	11	19	4:15 PM	0.08	<10	32.6	128	101	11.7	3.19		21-40					
2013	11	19	4:11 PM														
2013	10	7	4:20 PM	0.169	20.3	29.3			15.2	1.58							
2013	10	2	1:15 PM				170	84				41-60					
2013	9	17	11:05 AM	0.052	<10	25			6.45	3.69							
2013	8	6	8:05 AM	0.103	<10	39			2.67	5.3			8.52	25.90			

2013	7	23	9:30 AM										81.26	1,299.65		
2013	7	15	3:45 PM										5.21	28.82		
2013	7	8	3:40 AM										7.24	7.31		
2013	6	17	4:20 PM										275.50	1,203.30		
2013	3	5	5:07 PM	0.311	43.8	63.5	149	100	24.2	11.9		41-60				
2013	3	5	5:03 PM													
2012	12	5	10:40 AM	0.094	29.5	39.1		170				21-40				
2012	12	5	10:40 AM													
2012	9	25	9:49 AM	0.112			128	99	9.96	6.87		0				
2012	5	8	12:28 PM	0.177	<10	41.6			2.94	9.19						
2012	1	25	4:51 PM				179	90				21-40				
2012	1	24	4:55 PM	0.126	143	69			16.9	4.6						
2011	6	6	4:04 PM	0.113	13	49.8	177	106	4.38	1.67		21-40				
2011	6	6	4:03 PM													
2011	2	14	4:36 PM	0.358	47.2	46.7	201	112	14	3.17		41-60				
2011	2	14	4:35 PM													
2010	11	30	7:50 AM	0.078	13.8	32.7	135	120	8.96	5.82		21-40				377
2010	11	30	7:48 AM													
2010	8	30	12:20 PM	0.06	12.1	28.9	117	104	16.1	4.48		41-60				
2010	8	30	12:19 PM													
2010	5	25	7:25 AM	0.14	14.6	51	177	140	4.65	3.04		0				
2010	5	25	7:22 AM													
2010	5	11	4:55 PM				191	158				0				
2010	2	16	3:40 PM	0.09	12.2	36			4.58	0.27						
2010	2	16	3:37 AM													
2009	12	15	8:50 AM	0.097	10.3	36.5	157	126				21-40				
2009	12	15	8:50 AM													
2009	12	15	8:46 AM													
2009	12	15	8:46 AM													
2009	10	27	10:33 AM	0.109	<10	28.2	102	85				21-40				

2009	10	27	10:33 AM													
2009	7	28	11:15 AM	0.12	11.9	25.6	206	161	5.59	2.76		41-60				
2009	7	28	11:10 AM													
2009	4	21	12:38 PM	0.199	14.9	34.6	143	112	3.83	16.2		0				
2009	4	21	12:38 PM													
2008	11	18	11:35 AM	0.085	10.8	23.4	152	107	8.83	1.47		0				
2008	11	18	11:30 AM													
2008	10	7	1:24 PM	0.067	<10	27	108	99				41-60				
2008	10	7	1:24 PM													
2008	7	29	11:00 AM	0.091	<10	31.8	117	104	3.08	0.51		21-40				
2008	7	29	10:18 AM													
2008	4	22	10:50 AM	0.199	20.8	38.9	106	87	7.89	4.26		0				
2008	4	22	10:50 AM													
2008	2	11	1:00 PM	0.085	16.8	43.5	156	121	10.6	1.85		0				
2008	2	11	12:55pm													
2007	12	4	3:22 PM	0.179	15.5	32	155	102	8.82	12.3		21-40				
2007	12	4	3:22 PM													
2007	12	4	3:22 PM													
2007	10	22	1:42 PM	0.15	23.2	42.5	156	106				21-40				
2007	10	22	1:42 PM													
2007	3	27	4:32 PM	0.241	15.3	76.9	98	79	2.69	2.49		0				358
2007	3	27	4:32 PM													
2007	2	27	5:39 PM		31.7	70.2	157	75				41-60				
2007	2	27	5:39 PM													
2006	12	18	4:58 PM	0.324	39.7	48.2	149	92				0				
2006	9	19	10:32 AM	0.127	23.4	37.5	78.5	60	<0.1	1.73		0	41	109	330	476
2006	7	18	10:30 AM	0.2	31	37.2	139	88				61-80	<10	10	10	
2006	6	14	9:35 AM	0.076	14.1	29.5	125	95				21-40	10	10	100	427
2006	4	11	11:35 AM	0.215	<10	69.9	149	90	9.1	3.8		21-40				334
2006	2	28	2:01 PM	0.291	40.5	49.9	153	97	16	3.2		21-40				304

2006	1	10	1:45 PM	0.22	38.2	52.9	163	72	14	3.4		41-60				357
2005	11	16	1:04 PM	0.181	19.6	23.6	132	19				0				286
2005	11	15	1:10 PM						3.1	2.3						
2005	10	4	1:55 PM	0.11	<10	18	141	95	9	4		41-60				440
2005	7	12	12:49 PM	0.102	<10	23.6	160	100	2.63	1.47		0				436
2005	3	8	12:20 PM													
2005	2	22	1:35 PM	0.083	12.9	33.4	162	107	4.41	0.7		21-40				538
2004	11	30	4:40 PM	0.124	14.4	44	106	99	1.8	3.3		0				463
2004	11	26	1:25 PM	0.192	15	39	105	82	4	3.7		0				419
2004	10	13	9:16 AM													
2004	10	12	4:43 PM	0.246	40.4	38.7	137	137	2.3	3.6		21-40				444
2004	10	12	4:10 PM				142	110				41-60				447
2004	9	14	3:00 PM										10	10	<10	
2004	8	24	2:30 PM	0.076	<10	25.2	139	97				41-60				437
2004	8	10	11:40 AM										10	20	40	
2004	7	22	2:00 PM						2	2.4						
2004	7	20	5:15 PM	0.108	<10	33.2	165	116				0	41	10	280	468
2004	7	6	5:30 PM	0.162	12.9	38.9	67	84	1.8	0.7		0	181	4,100	1,300	356
2004	6	22	12:32 PM										381	2,800	1,700	
2004	6	2	4:14 PM										52	1,500	700	
2004	5	4	2:34 PM	0.162	10.9	38.6	122	132				0	173	300	200	326
2004	4	5	5:30 PM	0.151	10	56	100	84								281
2004	3	10	12:34 PM	0.191	12.2	130	165	104				0				473
2003	11	3	4:00 PM	0.086	<10	20	100	84				61-80				433
2003	10	6	2:30 PM	0.102	17.1	40.4	144	115				41-60				372
2003	7	8	6:30 PM	0.132	11.4	21.8	122	75.1				0				268
2003	5	5	4:45 PM	0.123	12.6	36	144	128				21-40				430
2003	3	31	5:00 PM	0.162	13.4	43.8	128.8	116				21-40				
2003	3	4	2:30 PM	0.379	54.3	53.9	120	99				21-40				379
2003	2	3	10:00 AM	0.277	47.5	66.4	180	106				21-40				413

2002	12	16	10:30 AM	0.107	23.5	43.5	125	120				21-40				-43
2002	11	18	10:00 AM	0.147	35.1	34.5	160	156				21-40				368
2002	9	23	10:19 AM	0.113	33.4	33.8	81.6	68				21-40	86	100	330	456
2002	8	26	10:45 AM	0.092	23.2	39.5	125	54				21-40	121	20	200	471
2002	8	5	10:00 AM	0.087	11.9	30.3	140	82				21-40	108	20	400	313
2002	6	24	5:15 PM	0.175	7.5	45.8	229	121				0	20	80	10	364
2002	5	28	10:40 AM	0.105	14.3	40.5	176	86					63	500	180	428
2002	4	1	10:45 AM	0.207	46.2	64.4	160	98				0			50	213
2001	11	27	12:30 PM	0.57	17.2	29.7	98	80				0			40	555
2001	9	17	2:45 PM	0.104	43.4	43.3	139	116					62	190	100	413
2001	7	30	2:45 PM	0.055	12.1	37.4	120	97					10	<10	10	268
2001	6	26	12:30 PM	0.124	11.2	57.3	82	63.5					31	60	90	595
2001	5	30	12:15 PM	0.45	15.5	91.5	56	60					3,130	37,000	700	513
2001	5	30	12:00 PM										2,489	82,000	1,000	
2001	5	2	1:17 PM	0.24	17	61.5	140	136								259
2000	11	27	11:50 AM	0.155	24.3	54.1										
2000	9	28	12:15 PM	0.108	31.2	45.8	148	110								349
2000	8	22	11:20 AM	0.099	5.3	132	136	100								404
2000	8	22	11:20 AM													
2000	7	31	11:45 AM	0.23	6.1	51.5	100	100								
2000	7	31	11:45 AM													
2000	6	19	12:30 PM	0.252	17.9	46.8	118	90								
2000	6	19	12:30 PM													
2000	5	31	8:00 AM	0.193	15.3	49.9	80	106								435
2000	5	31	8:00 AM													
2000	4	3	10:22 AM	0.42	12.3	38.9		120								360
2000	2	28	10:40 AM	0.271	30.5	55	160	101								351
2000	2	28	10:40 AM													
1999	11	10	8:50 AM	0.161	33.4		740	110								276
1999	11	10	8:50 AM													

1999	10	18	8:20 AM	0.166	22.7	43.1	126	104								367
1999	10	18	8:20 AM													
1999	9	29	8:20 AM	0.176	20.1	54.4	108	78								424
1999	9	29	8:20 AM													

Year	Month	Date	Time	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
								Amount	Size	
2018	10	8	2:35 PM	None	None	None	Mild	Mod.	Small	Acc
2018	2	14	8:45 AM	None	None	2	Mild	Mild	3	Acc
2018	2	14	8:44 AM							Third Cd value was <1.
2017	11	28	12:00 PM	None	None	1	None	Mild	3	Acc
2017	8	15	12:00 AM	None	None	1	None	None	3	Acc
2017	8	1	12:02 PM	None	None	1	None	None	3	Acc
2017	5	23	1:03 PM	None	None	1	Mod.	Mod.	3	Acc
2017	4	11	9:05 AM	None	None	1	None	Mod.	1	Acc
2017	4	11	9:03 AM							Acc
2017	1	31	10:45 AM	None	None	2	Mild	None	3	Acc
2017	1	31	10:33 AM							Acc
2016	11	2	9:53 AM	None	None	1	Mild	Mild	3	Acc
2016	11	2	9:51 AM							Acc
2016	9	6	3:32 PM	None	None	1	Mild	Mild	3	Acc
2015	12	15	8:00 AM							Pre
2015	9	21	3:30 PM	None	None	None	None	Mild	Small	Pre
2015	9	21	3:28 PM							Pre
2015	8	4	5:42 PM	None	Mild	Mod.	Mild	Mild	Small	Pre
2015	8	4	5:40 PM							Pre
2015	5	19	5:22 PM	None	None	None	Mild	Extreme	Large	Pre
2015	5	19	5:20 PM							Pre

2015	3	31	10:45 AM	None	None	None	None	Mild	Medium	Pre
2015	2	3	8:30 AM	None	Mild	Mild	Mild	Mild	Small	Pre
2015	2	3	8:28 AM							Pre
2014	12	8	2:20 PM	None	Mild	Mild	Mild	Mild	Small	Pre
2014	12	8	2:18 PM							Pre
2014	9	29	3:42 PM	None	None	None	Mild	Mild	Small	Pre
2014	9	29	3:40 PM							Pre
2014	7	16	7:46 AM	None	Mild	Mild	Mild	Mild	Small	Pre
2014	7	16	7:44 AM							Pre
2014	6	2	5:15 PM	None	None	Mild	None	Serious	Medium	Pre
2014	6	2	5:14 PM							Pre
2014	3	24	12:47 PM	None	Mild	None	None	Mod.	Medium	Pre
2014	3	24	12:45 PM							Pre
2014	2	11	4:32 PM	Mild	None	Mild	None	None	Small	Pre
2014	2	11	4:30 PM							Pre
2013	11	19	4:15 PM	None	None	None	Mild	Mile	Small	Pre
2013	11	19	4:11 PM							Pre
2013	10	7	4:20 PM							Pre
2013	10	2	1:15 PM	None	None	None	None	None	Small	Pre
2013	9	17	11:05 AM							Pre
2013	8	6	8:05 AM							Pre
2013	7	23	9:30 AM							Pre
2013	7	15	3:45 PM							Pre
2013	7	8	3:40 AM							Pre
2013	6	17	4:20 PM							Pre
2013	3	5	5:07 PM	None	None	None	None	Mild	Small	Pre
2013	3	5	5:03 PM							Pre
2012	12	5	10:40 AM	None	None	None	Mild	None	Small	Pre
2012	12	5	10:40 AM							Pre
2012	9	25	9:49 AM	None	None	None	None	None	Small	Pre

2012	5	8	12:28 PM							Pre
2012	1	25	4:51 PM	None	Mild	Mild	None	None	Small	Pre
2012	1	24	4:55 PM							Pre
2011	6	6	4:04 PM	None	None	None	Mild	Mod.	Medium	Pre
2011	6	6	4:03 PM							Pre
2011	2	14	4:36 PM	None	Mod.	None	None	None		Pre
2011	2	14	4:35 PM							Pre
2010	11	30	7:50 AM	None	None	None	None	None		Pre
2010	11	30	7:48 AM							Pre
2010	8	30	12:20 PM	None	None	None	None	None	Small	Pre
2010	8	30	12:19 PM							Pre
2010	5	25	7:25 AM	None	None	None	Mild	Mod.	Medium	Pre
2010	5	25	7:22 AM							Pre
2010	5	11	4:55 PM	None	None	None	None	None	Small	Pre
2010	2	16	3:40 PM							Pre
2010	2	16	3:37 AM							Pre
2009	12	15	8:50 AM	None	None	None	None	Mod.	Large	Pre
2009	12	15	8:50 AM							Pre
2009	12	15	8:46 AM							Pre
2009	12	15	8:46 AM							Pre
2009	10	27	10:33 AM	None	None	None	None	None	Small	Pre
2009	10	27	10:33 AM							Pre
2009	7	28	11:15 AM	None	Mild	None	Mild	Mild	Small	Pre
2009	7	28	11:10 AM							Pre
2009	4	21	12:38 PM	None	None	None	None	Mod.	Small	Pre
2009	4	21	12:38 PM							Pre
2008	11	18	11:35 AM	None	None	None	Mild	None	Small	Pre
2008	11	18	11:30 AM							Pre
2008	10	7	1:24 PM	None	None	None	Mild	Mild	Small	Pre
2008	10	7	1:24 PM							Pre

2008	7	29	11:00 AM	None	None	None	Mild	Mild	Small	Pre
2008	7	29	10:18 AM							Pre
2008	4	22	10:50 AM	None	None	None	None	Mod.	4	Pre
2008	4	22	10:50 AM							Pre
2008	2	11	1:00 PM	None	None	None	None	None	Small	Pre
2008	2	11	12:55pm							Pre
2007	12	4	3:22 PM	None	None	None	None	Mild	Small	Pre
2007	12	4	3:22 PM							Pre
2007	12	4	3:22 PM							Pre
2007	10	22	1:42 PM	None	None	None	None	None	Small	Pre
2007	10	22	1:42 PM							Pre
2007	3	27	4:32 PM	None	None	None	None	None	Small	Pre
2007	3	27	4:32 PM							Pre
2007	2	27	5:39 PM	None	None	None	None		Small	Pre
2007	2	27	5:39 PM							Pre
2006	12	18	4:58 PM	None	None	None	None	None	Small	Pre
2006	9	19	10:32 AM	None	None	None	None			Pre
2006	7	18	10:30 AM	None	Mild	Mod.	Mod.	Mild	Small	Pre
2006	6	14	9:35 AM	None	None	None	None	None	Small	Pre
2006	4	11	11:35 AM	None	None	None	None	None	Small	Pre
2006	2	28	2:01 PM	None	None	None	None	None	Small	Pre
2006	1	10	1:45 PM	None	None	None	None	None	Small	Pre
2005	11	16	1:04 PM	None	None	None	None	None	Small	Pre
2005	11	15	1:10 PM							Pre
2005	10	4	1:55 PM	None	None	None	None	None	Small	Pre
2005	7	12	12:49 PM	None	None	Mild	Mild	Mild	Small	Pre
2005	3	8	12:20 PM							Pre
2005	2	22	1:35 PM	None	None	None	None	None	Small	Pre
2004	11	30	4:40 PM	None	None	None	Mild	None	Small	Pre
2004	11	26	1:25 PM	None	None	None	None	None	Small	Pre

2004	10	13	9:16 AM								Pre
2004	10	12	4:43 PM	None	None	None	None	None	None	Small	Pre
2004	10	12	4:10 PM	None	None	None	None	None			Pre
2004	9	14	3:00 PM								Pre
2004	8	24	2:30 PM	None	None	None	Mild	None	Small		Pre
2004	8	10	11:40 AM								Pre
2004	7	22	2:00 PM								Pre
2004	7	20	5:15 PM	None	None	Mild	Mild	Mod.	Medium		Pre
2004	7	6	5:30 PM	None	None	None	None	None	Small		Pre
2004	6	22	12:32 PM								Pre
2004	6	2	4:14 PM								Pre
2004	5	4	2:34 PM	None	None	None	Mild	Mild	Small		Pre
2004	4	5	5:30 PM					Extreme	4		Pre
2004	3	10	12:34 PM	None	Mild	Mod.	Mild	Serious	4		Pre
2003	11	3	4:00 PM	None	Mild	Mild	None	Mild	Small		Pre
2003	10	6	2:30 PM	None	Mild	Mild	Mild	Mild	Small		Pre
2003	7	8	6:30 PM	None	Mild	None	None	None	Small		Pre
2003	5	5	4:45 PM	None	Mild	Mild	Mild	Mild	4		Pre
2003	3	31	5:00 PM	None	None	Mild	None	Mod.	4		Pre
2003	3	4	2:30 PM	None	None	None	None	None			Pre
2003	2	3	10:00 AM	None	Mild	Mild	None	None			Pre
2002	12	16	10:30 AM	None	Mild	Mild	None	Mild	Small		Pre
2002	11	18	10:00 AM	None	Mild	None	None	Mild	Small		Pre
2002	9	23	10:19 AM	None	Mild	None		None			Pre
2002	8	26	10:45 AM	None	Mild	None	None	None			Pre
2002	8	5	10:00 AM	None	Mild	None	None	None			Pre
2002	6	24	5:15 PM	None	None	None	Mild	Mod.	Small		Pre
2002	5	28	10:40 AM	None	None	Mild	Mild	Mild	Medium		Pre
2002	4	1	10:45 AM	None	None	None	None	None			Pre
2001	11	27	12:30 PM	None	Mild	None	None				Pre

2001	9	17	2:45 PM							Pre
2001	7	30	2:45 PM							Pre
2001	6	26	12:30 PM							Pre
2001	5	30	12:15 PM							Pre
2001	5	30	12:00 PM							Pre
2001	5	2	1:17 PM							Pre
2000	11	27	11:50 AM							Pre
2000	9	28	12:15 PM							Pre
2000	8	22	11:20 AM							Pre
2000	8	22	11:20 AM							Pre
2000	7	31	11:45 AM							Pre
2000	7	31	11:45 AM							Pre
2000	6	19	12:30 PM							Pre
2000	6	19	12:30 PM							Pre
2000	5	31	8:00 AM							Pre
2000	5	31	8:00 AM							Pre
2000	4	3	10:22 AM							Pre
2000	2	28	10:40 AM							Pre
2000	2	28	10:40 AM							Pre
1999	11	10	8:50 AM							Pre
1999	11	10	8:50 AM							Pre
1999	10	18	8:20 AM							Pre
1999	10	18	8:20 AM							Pre
1999	9	29	8:20 AM							Pre
1999	9	29	8:20 AM							Pre

Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Hg µg/l	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2018	2	14	8:45 AM	<1	1.42		<1	<1	1.26	<0.05	3.59	<1	1.05	<1	<5	Acc
2018	2	14	8:44 AM	<1	1.87		<1		1.85	<0.05	5.47	<1	1.68		<5	Acc
2017	5	23	1:03 PM	<1	2.06		<1	4.22	3.81	<0.05	6.81	<1	1.15	<1	15.5	Acc
2017	4	11	9:05 AM	<1	1.12		<1	1.85	1.27	<0.05	1.31	<1	<1	<1	<5	Acc
2017	4	11	9:03 AM	<1	1.93		<1		3.19	<0.05	4.71	2.51	1.08		11.8	Acc
2017	1	31	10:45 AM	<1	1.74		<1	1.86	1.4	<0.05	2.84	<1	<1	<1	<5	Acc
2017	1	31	10:33 AM	<1	1.94		<1		1.84	<0.05	3.83	1.15	<1		<5	Acc
2016	11	2	9:53 AM	<1	2.03		<1	2.25	1.92	<0.05	2.25	<1	<1	<1	5.97	Acc
2016	11	2	9:51 AM	<1	2.41		<1		2.88	<0.05	4.02	1.57	<1		8.5	Acc
2010	2	16	3:40 PM	<0.04	1.3	79.7	<0.18	1.66	2.67	<0.05	4.07	2.3	<1	<1	7.35	Pre
2010	2	16	3:37 AM						2.48			1.14				Pre
2009	12	15	8:50 AM	<0.04	1.42	69.9	<0.18	1.69	2.5	<0.05	3.31	2.04	<1	<1	15.9	Pre
2009	12	15	8:50 AM	<0.04	1.42	69.9	<0.18	1.69	2.77	<0.05	3.31	0.34	<1	<1	15.9	Pre
2009	12	15	8:46 AM						2.5			2.04				Pre
2009	12	15	8:46 AM						2.77			0.34				Pre
2009	10	27	10:33 AM	0.11	1.76	64	<0.18	<1	2.34	<0.05	3.02	1.26	<1	<1	2.97	Pre
2009	10	27	10:33 AM						2.6			0.45				Pre
2009	7	28	11:15 AM	0.14	2.39	104	<0.18	2.93	4.11	<0.05	5.34	3.51	1.11	<1	13.7	Pre
2009	7	28	11:10 AM						1.98			0.39				Pre
2008	11	18	11:35 AM	<1	1.7	117	<1	1.3	2.9	<0.05	3.2	1.7	<1	<1	16.3	Pre
2008	11	18	11:30 AM						2.4			<1				Pre
2008	10	7	1:24 PM	<0.04	3.1	68.2	<0.18	1.5	2.54	<0.05	3.4	1.23	1	<1	6.6	Pre
2008	10	7	1:24 PM						1.8			0.58				Pre
2008	7	29	11:00 AM							<0.05						Pre
2008	4	22	10:50 AM	<0.04	<10	134	0.5	26.5	6.7	<0.05	15.6	8.7	<5	<1	30.1	Pre
2008	4	22	10:50 AM						0.89			0.8				Pre

2008	2	11	1:00 PM	<2	<10	75.3	<1	<5	<5	<0.05	<5	<5	<5	<10	21.6	Pre
2008	2	11	12:55pm						<5			<5				Pre
2007	12	4	3:22 PM	<0.04	<10	84.5	<0.18	<5	2.8	<0.05	<5	1.8	<5	<10	12.2	Pre
2007	12	4	3:22 PM	<0.04			<0.18		3.14			1.82			9.8	Pre
2007	12	4	3:22 PM						2.18			0.36				Pre
2007	10	22	1:42 PM	0.12	<10	73.3	<0.18	<5	1.68	<0.05	<5	0.94	<5	<10	5	Pre
2007	10	22	1:42 PM						<0.08			1.06				Pre
2007	3	27	4:32 PM	<2	<10	115	<1	12.2	8.1	<0.05	10.8	6.5	<5	<10	38.2	Pre
2007	3	27	4:32 PM						<5			<5				Pre
2007	2	27	5:39 PM	<2	<10	83	<1	<5	<5	<0.05	5.9	<5	<5	<10	11	Pre
2007	2	27	5:39 PM						4.73			0.14				Pre
2004	10	13	9:16 AM	<0.04			<0.18		3.54			2.23				Pre
2004	10	12	4:43 PM	<0.04	<10		<0.18	<5	2.66	<0.05	<5	1.65	<5	<5	9	Pre
2003	3	31	5:00 PM	0.11	<10		<0.18	6	7.91	<0.1	8	5.62	<5	<5	20	Pre
2003	2	3	10:00 AM		<10			<5		<0.1	<5		<5	<5	<5	Pre
2002	11	18	10:00 AM		<10			<5		<0.1	6		<5	<5	18	Pre
2001	11	27	12:30 PM	<0.05			<0.16		24.5			16.56				Pre
2001	1	29	12:30 PM	0.09			<0.16		27.6			43.36				Pre
2001	9	17	2:45 PM	<0.05			<0.16		24.5			13.08				Pre
2001	6	26	12:30 PM	<0.05			<0.16		12.2			23.21				Pre
2001	5	30	12:15 PM	0.09	<10		0.23	15	40.9	<0.5	15	108	<10	<10	45	Pre
2001	5	2	1:17 PM	0.07	<10		0.25	8	6.9	<0.5	<10	5.85	<10	<10	24	Pre
2000	6	19	12:30 PM	<10	<10		<5	<10	<10	<0.5	<25	<3	<5	<3	14	Pre
2000	5	31	8:00 AM	10	<10		<5	<10	<10	<0.5	<25	4	<5	<3	23	Pre
2000	2	28	10:40 AM	<10	<10		<5	<10	<10	<0.5	<25	<3	<5	<3	16	Pre

IR WBID OK121500010200_00				OWRB WBID 121500010200-001AT						Verdigris River				
Sampling Agency: Oklahoma Water Resources Board									County: Wagoner					
Sampling Location: Latitude 35.95547322 Longitude -95.4947762 (US 51)														
Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2004	10	12	4:43 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2004	10	12	4:10 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	10	6	2:40 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	5	5	4:45 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	3	31	5:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	11	18	10:00 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	4	1	9:45 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002

Year	Month	Date	Time	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2004	10	12	4:43 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2004	10	12	4:10 PM	<0.048	0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086		Pre
2003	10	6	2:40 PM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	5	5	4:45 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre

2003	3	31	5:00 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	11	18	10:00 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	4	1	9:45 AM	<0.048	<0.048	<0.002	<0.01	<0.01		0.048	<0.032	<0.006	<0.086	<0.12	Pre

IR WBID OK121500010250_00				OWRB ID# OKPB01-223						Gar Creek									
Sampling Agency: Oklahoma Water Resources Board								County: Wagoner											
Sampling Location: Latitude 35.95889 Longitude -95.54967 (GAR-1)																			
Year	Month	Date	Time	Flow	Stream Stage ft	Temp., Water (°C)	pH	Dissolved Oxygen		TSS mg/L	Settleable Solids mg/L	TDS mg/L	Turb. NTU	Cond. µS/cm	NO2- mg/L	NO3- mg/L	NH ₃ mg/L	TKN mg/L	Total Nitrogen mg/L
								mg/l	Sat.										
2006	6	27	10:00 AM	0 cfs		23.6	7.14	4.43	51.7	12	<0.1	232.0	18.6	324.3	<0.05	<0.05	0.22	0.79	0.84

Year	Month	Date	Time	Total Nitrogen mg/L	Ortho-phosphate mg/L	T. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	Alk. mg/L	Chlor a mg/m ³	Periphyton Severity %	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
																Amount	Size	
2006	6	27	10:00 AM	0.84	0.013	0.075	12.4	65.9	100.00	136	21-40	None	None	None	None	None		Pre

IR WBID OK121500010250_00				OWRB ID# OKPB01-223				Gar Creek												
Sampling Agency: Oklahoma Water Resources Board								County: Wagoner												
Sampling Location: Latitude 35.95889 Longitude -95.54967 (GAR-1)																				
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Ca g/L	Cd µg/l	Cr µg/l	Cu µg/l	Fe µg/l	Hg µg/l	K µg/l	Mg µg/l	Na mg/L	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l
2006	6	27	10:00 AM	<0.04	<10	76	27.4	<0.18	<5	1.28	1,330	<0.05	5.7	10.8	26.8	<5	2.46	<5	<10	<5

IR WBID OK121500020010_00				OWRB WBID 121500020010_001RS				Verdigris River											
Sampling Agency: Oklahoma Water Resources Board								County: Wagoner											
Sampling Location: Latitude 36.01124621 Longitude -95.5393262 (VER-1)																			
Year	Month	Date	Time	Temp., Water (°C)	pH	Dissolved Oxygen		TDS mg/L	Turb. NTU	Cond. µS/cm	T. Hardness mg/L CaCO ₃	Alk. mg/L	Periphyton Severity %	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Comments Acc = Accepted Data Pre=Preliminary Data
						mg/l	Sat.												
2002	4	1	10:45 AM	12.65	8.92	9.56	90.5	351.2	25.0	548.8	160	100	21-40	188	None	None	None	None	Pre

IR WBID OK121500020010_00				OWRB WBID 121500020010_001RS						Verdigris River				
Sampling Agency: Oklahoma Water Resources Board								County: Wagoner						
Sampling Location: Latitude 36.01124621 Longitude -95.5393262 (VER-1)														
Year	Month	Date	Time	Toxaphene µg/l	Total PCBs µg/l	Silvex µg/l	Lindane µg/l	p,p'-DDT µg/l	Mirex µg/l	Methyl parathion µg/l	Methoxychlor µg/l	Malathion µg/l	Hexachlorobenzene µg/l	Heptachlor µg/l
2004	5	4	2:59 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	10	6	4:20 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	5	5	5:30 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2003	3	31	6:00 PM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	11	18	11:15 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002
2002	4	1	10:45 AM	<0.029	<0.19	<0.012	<0.002	<0.003	<0.048	<0.048	<0.006	<0.048	<0.002	<0.002

Year	Month	Date	Time	Azinphos-methyl µg/l	Parathion µg/l	Endrin µg/l	Endosulfan µg/l	Chlorpyrifos µg/l	Dieldrin µg/l	Demeton µg/l	Chlordane µg/l	Aldrin µg/l	2,4-D µg/l	Pentachlorophenol µg/l	Comments Acc = Accepted Data Pre=Preliminary Data
2004	5	4	2:59 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	10	6	4:20 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	5	5	5:30 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2003	3	31	6:00 PM	<0.048	<0.048	<0.002	<0.01	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre
2002	11	18	11:15 AM	<0.048	<0.048	<0.002	<0.1	<0.01	<0.002	<0.048	<0.032	<0.006	<0.086	<0.12	Pre

2002	4	1	10:45 AM	<0.048	<0.048	<0.002	<0.01	<0.01		<0.048	<0.032	<0.006	<0.086	<0.12	Pre
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IR WBID OK121500020120_00				OWRB WBID 121500020120_002RS				Verdigris River													
Sampling Agency: Oklahoma Water Resources Board								County: Wagoner													
Sampling Location: Latitude 36.06162 Longitude -95.54143 (VER-2)																					
Year	Month	Date	Time	Temp., Water (°C)	pH	Dissolved Oxygen		TDS mg/L	Turb. NTU	Cond. µS/cm	T. Hardness mg/L CaCo ₃	Alk. mg/L	Periphyton Severity %	ORP mV	Oil & Grease	Odor	Scum	Foam & Suds	Floating Debris		Comments Acc = Accepted Data Pre=Preliminary Data
						mg/l	Sat.												Amount	Size	
2004	5	4	5:50 PM	18.2	7.59	9.76	103.8	169.4	102	264.7	123	93	0	322	None	None	None	None	Mild	Small	Pre
2003	10	6	5:00 PM	20.98	7.65	7.53	83.6	223.2	67	347.7	148	112	0	365		Mild	None	None	Mild	Small	Pre
2003	4	1	1:00 PM						108		128	112	21-40		None	Mild	None	None	Mild	Small	Pre
2003	2	3	12:45 PM	6.34	7.84	12.1	101.5	309.2	11	483.1	284	270	21-40	395	None	None	Mod.	None	None		

IR WBID OK121500020120_00				Verdigris River																	
Sampling Agency: Oklahoma Water Resources Board								County: Wagoner													
Sampling Location: Latitude 36.06162 Longitude -95.54143 (VER-2)																					
Year	Month	Date	Time	Ag µg/L	As µg/l	Ba µg/l	Cd µg/l	Cr µg/l	Cu µg/l	Hg µg/l	Ni µg/l	Pb µg/l	Se µg/l	Tl µg/l	Zn µg/l	Comments Acc = Accepted Data Pre=Preliminary Data					
2004	5	4	6:04 PM	0.06	15		0.22	6	4.66	0.06	6	4.33	8	<5	25	Pre					
2003	10	6	5:00 PM	0.07			<0.18		6.49			2.4				Pre					
2003	4	1	1:00 PM	0.05	<10		<0.18	5	11.6	<0.1	7	7.36	<5	<5	16	Pre					

2003	2	3	12:45 PM		<10			<5		<0.1	<5	9	<5	<5	<5
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IR WBID OK121500020360_00				OCC WBID OK121500-02-0360H				Dog Creek				
Sampling Agency: Oklahoma Conservation Commission								County: Rogers				
Sampling Location: Latitude 36.27833333 Longitude -95.61141667 (DOG-1)												
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	Turb. NTU
2001	8	21	8:15 AM	3.482	25.3	6.84	0.85	1,500	>800	190	1	7.6
2001	7	17	9:00 AM	5.285	26.2	7.15	1.61 RI	>120	>160	94	3	7.47
2001	6	19	9:45 AM		24.7	7.22	2.64 R	120	216	150	6	9.97
2001	5	15	10:30 AM	4.953	22.4		2.3 R	2,100	959	300	<5	9.96
2001	4	17	1:00 AM	26.437	14.7	7.69	7.06 R	280	480	500		15.6
2001	3	13	10:30 AM	58.2	10	7.8	9.92 R	700	616	4,000	12	33.8
2001	1	23	12:00 PM	9.122	4.9	7.65	10.55 R	12,000	11,198.50	3,000	16	7.72
2000	12	19	11:45 AM	7.917	0.9	7.65		3,000	8,664	13,000	21	18.8
2000	11	14	11:20 AM	1.238	6.8		4.68 R	27,000	17,329	6,000	8	13.1
2000	10	10	11:40 AM		9.6	7.37	2.61 R	200	382	1,400	<1	6.44
2000	9	14	10:20 AM		24.3	7	1.19 RI					3.56
2000	9	14	7:30 AM		24.3	6.77	1.13 RI					3.66
2000	9	14	5:30 AM		24.7	6.9	0.82 RI	1,200			2	3.68
2000	9	14	1:30 AM		25.8	6.88	1.16 RI					3.1
2000	9	13	10:00 PM		26.8	7.38	2.18 RI					3.55
2000	9	13	7:00 PM		27.31	6.99	4.67 PT					
2000	9	13	4:05 PM		27.45	7.01	5.27 PB	4,000			6	
2000	9	13	12:45 PM		25.93	7.08	3.11 PB					
2000	9	13	10:05 AM		25.68	6.99	1.74 PB					
2000	8	31	12:00 PM		26.3	7.6	2.59 R					6.6
2000	8	17	10:15 AM		28		1.62 R					12.9

2000	8	3	11:15 AM		26.7	7.36	2.54 R					18.4
2000	7	26	11:30 AM	7.019	24.8		2.66 R	2,800			18	20.2
2000	6	20	10:20 AM	113.84	23	7.53	7.21 R	800			41	29.8
2000	5	17	11:00 AM	28.455	20.8	7.4	5.39 R	4,500			16	22.3
2000	4	18	11:45 AM	27.169	17.4	7.28	9.76 R	900			23	16.1
2000	3	22	10:00 AM	51.899	12.7	7.69	9.19 R	200			36	26.3
2000	2	23	8:45 AM		13.2	7.75	7.83 R	4,500			94	134
2000	2	17	9:50 AM		9.8	7.35	4.38 R					10.1
2000	2	3	10:45 AM		4.3	7.79	8.15 R					10.8
2000	1	25	10:00 AM	3.111	3.3	7.81	9.31 R	<100			23.5	16.5
2000	1	20	10:30 AM		6.5	7.69	8.54 R					
1999	12	15	10:00 AM	15.56				900				
1999	11	16	10:00 AM	2.158				>50,000				
1999	10	12	11:30 AM	2.352				1,800				
1999	9	13	10:00 AM	6.474				500				
1999	2	23	11:30 AM	12								

Year	Month	Date	Time	Cond. $\mu\text{S/cm}$	NO_2^- mg/L	NO_3^- mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2001	8	21	8:15 AM	448.3	<0.01	2.78	2.626	3.557	1.483	0.087	41.4	36.4	113.8	114	
2001	7	17	9:00 AM	412.7	0.5	1.34	1.04	2.25	1.091	1.079	30.36	45.31	115.2	91	
2001	6	19	9:45 AM	450.4	0.26	2.37	0.59		1.15	1.23	31	55	125	88	Base flow.
2001	5	15	10:30 AM		0.28	2.83	0.76			1.36	27.9	54	138	86	
2001	4	17	1:00 AM	263.2	0.1	2.51	0.28		0.537	0.427	13	52.3	106	65	
2001	3	13	10:30 AM	222	0.09	0.9	0.14	0.9	0.225	0.115	6.7	38.6	77.7	45	
2001	1	23	12:00 PM	553	0.52	3.41	0.91	2.04	1.45	1.32	32.9	76.3	167	105	
2000	12	19	11:45 AM	535	0.24	3.39	1.35	2.5	1.14	0.957	34	46.1	159	92	
2000	11	14	11:20 AM	568	0.49	2.97	2.14	2.79	2.497	2.26	30.6	60.9	157	132	

2000	10	10	11:40 AM	587	0.69	8.23	3.86	4.92	4.74	2.845	<5	41.7	106	44	
2000	9	14	10:20 AM	732										86	Base flow.
2000	9	14	7:30 AM	767										73	Base flow.
2000	9	14	5:30 AM	750	0.53	4.2	1.54	2.54	5.108	4.68	65.7	50.9	109	85	Base flow.
2000	9	14	1:30 AM	762										84	Base flow.
2000	9	13	10:00 PM	724										83	Base flow.
2000	9	13	7:00 PM	560											Base flow.
2000	9	13	4:05 PM	558	0.6	4.35	1.3	2.87	4.13	3.064	58.2	48.5	103		Base flow.
2000	9	13	12:45 PM	548											Base flow.
2000	9	13	10:05 AM	548											Base flow.
2000	8	31	12:00 PM											96	Base flow.
2000	8	17	10:15 AM	363											Base flow.
2000	8	3	11:15 AM	378											Flow slightly elevated.
2000	7	26	11:30 AM	365	0.28	2.54	0.6	1.49	2.088	1.201	13.9	38.9	82.4	89	
2000	6	20	10:20 AM	221	0.039	0.179	0.2	0.89	0.28	0.124	8.5	13.8	80	64	
2000	5	17	11:00 AM	264	0.151	1.34	0.415	1.22	0.763	0.551	25	59	138	80	
2000	4	18	11:45 AM	299	0.102	1.62	0.245	1.09	0.672	0.551	15	63.5	120	72	DO was 9.89 in a RI.
2000	3	22	10:00 AM	212	0.048	1.18	0.098	1.32	0.373	0.189	13	55.5	110	58	
2000	2	23	8:45 AM	320	0.078	1.2	0.91	2.12	0.632	0.364	17	70.5	116	62	High flow.
2000	2	17	9:50 AM	660										85	Base flow.
2000	2	3	10:45 AM	665										84	Base flow.
2000	1	25	10:00 AM	431	0.206	3.05	2.7	3.77	1.65	1.32	29	63	124	85	
2000	1	20	10:30 AM												
1999	12	15	10:00 AM												
1999	11	16	10:00 AM												
1999	10	12	11:30 AM												
1999	9	13	10:00 AM												
1999	2	23	11:30 AM												

IR WBID OK121500020360_00				OCC WBID OK121500-02-0360J				Dog Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.28372222 Longitude -95.611 (DOG-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	7	17	9:50 AM	5.079	27.4	7.18	2.19 R	>120	>160	76	14		15.1
2001	1	23	11:15 AM	9.403	4.8	7.55	8.72 R	2,000	17,328.7	13,000	18		9.11
2000	10	10	12:15 PM	2.505	9.9	7.29	3.53 R	200	278	800	<10		8.02
2000	4	18	11:15 AM	24.131	16.9	7.28	8.6 R	1,600			21		15.8
2000	1	25	10:30 AM	3.162	4.8	7.47	7.04 R	<100			13.5		14
1999	11	16	10:30 AM	1.872				20,000					

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	7	17	9:50 AM	439.5	0.56	2.35	2.27	3.02	1.377	0.92	34.52	45.57	109.4	106	DO was 0.91 at PT and 0.75 at PB.
2001	1	23	11:15 AM	563	0.96	3.58	1.03	2.3	1.73	1.714	35.1	75.5	167	111	
2000	10	10	12:15 PM	596	0.68	8.26	3.81	4.55	4.72	3.89	67.2	42.2	102	47	
2000	4	18	11:15 AM	285	0.094	1.44	0.251	1.06	0.636	0.509	15	61.5	120	68	
2000	1	25	10:30 AM	541	0.261	4.35	3.3	4.41	2.21	1.82	37	71.5	128	85	
1999	11	16	10:30 AM												

IR WBID OK121500020360_00				OCC WBID OK121500-02-0360F				Dog Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.26022222 Longitude -95.6 (DOG-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	8	21	10:15 AM		25.3	7.56	0.23 PT	>600	>800	460	2		33.7
2001	7	17	1:55 PM		28.7	7.13	2.6 PT	>120	>160	72	26		12.7
2001	6	19	2:15 PM		27.4	7.25	4.02 PT	370	<10	100	20		34.1
2001	5	15	3:45 PM		24.1		2.42 R	200	189	100	23		18.7
2001	4	17	12:45 PM		15.3	7.66	7.76 PT	320	364	200			16.7
2001	3	13	12:45 PM		11.2	7.64	9.14 R				10		38.6
2001	1	23	4:00 AM	8.19	3.3	6.95	10.19 R	200	691.00	500	20		13
2000	12	19	2:15 PM		0.5	7.48		3,000	2,187	6,000	14		16.8
2000	11	14	1:50 PM		6.2		4.51 PT	110	108	500	4		15.9
2000	10	10	3:00 PM		11.1	7.29	2.11 PT	80	84	60	4		9.69
2000	9	14	9:30 AM		23.6	7.3	2.04 PT						15.7
2000	9	14	3:50 AM		24.2	7.26	2.04 PT	32,000			4		9.94
2000	9	14	12:50 AM		25.3	7.17	2.88 PT						15.4
2000	9	13	10:00 AM		26	6.95	2.65 PT						11.7
2000	9	13	6:45 PM		25.6	7.25	4.06 PT						7.53
2000	9	13	3:40 PM		26.6	7.12	3.06 PT	470			<1		2.45
2000	9	13	12:40 PM		24.7	7.11	1.7 PT						9.44
2000	9	13	9:45 AM		24.5	7.01	1.45 PT						13.6
2000	8	31	11:15 AM		25.7	7.8	0.81 PT						22.1
2000	8	17	11:45 AM		29.3		1.4 R						11.9
2000	8	10	5:56 AM	0									
2000	8	3	3:15 PM		27.5	7.33	5.04 R						24.3
2000	7	26	1:00 PM	6.497	25.9		4.65 R	1,200			14		27.2

2000	6	20	12:30 PM		23.6	7.61	6.88 R	1,000				43		32.6
2000	5	17	1:15 PM		20.6	7.25	6.21 R	1,000				22		28.9
2000	4	18	2:30 PM		18	7.47	9.74 R	<100				29		28
2000	3	22	12:30 PM		12.4	7.89	8.51 R	100				35		30.5
2000	2	23	11:00 AM		12.5	7.71	9.09 R	<100				66		156
2000	2	17	11:00 AM		8.8	8.48	8.98 R							11.4
2000	2	3	12:10 PM		3	7.7	10.55 PT							12.1
2000	1	25	12:00 PM		4.4	7.71	10.69 PT	500				24.5		14.9
2000	1	20	11:55 AM		6.8	7.56	6.04 R							
1999	12	15	11:30 AM	13.911				<100						
1999	11	16	1:30 PM	0				<100						
1999	10	12	12:30 PM	0				100						
1999	9	13	11:10 AM	7.036				110						
1999	8	19	1:00 PM	5.276										
1999	2	23	12:50 PM	15										

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	8	21	10:15 AM	606	<0.01	0.52	12.73	13.86			51.7	20	136.8	174	DO was 0.17 at PB. Low flow.
2001	7	17	1:55 PM	503	0.46	0.15	7.18	9.81		2.316	45.64	42.75	129	143	DO was 2.39 at PB. Base flow.
2001	6	19	2:15 PM	344.6	0.09	1.02	0.07		0.393	0.427	18.2	43.2	99.8	77	DO was 4 at PB. Base flow.
2001	5	15	3:45 PM	384.2	0.18	2.17	0.25			0.616	18.9	50.9	128	101	Base flow.
2001	4	17	12:45 PM	216.9	0.06	0.63	0.11		0.283	0.158	7.8	41.8	91.2	145	Flow slightly elevated.
2001	3	13	12:45 PM	246	0.1	0.81	0.14	0.94	0.219	0.109	7.1	71.7	71.8	52	Flow is elevated.
2001	1	23	4:00 AM	264.1	0.18	3.24	0.16	1.2	1.057	1.04	<5	65.2	141	97	
2000	12	19	2:15 PM	509	0.1	2.1	0.97	2.11	0.493	0.443	38.4	35.6	122	74	Base flow.
2000	11	14	1:50 PM	398	0.1	1.52	0.2	0.71	0.633	0.551	13.4	47.4	120	102	Base flow.
2000	10	10	3:00 PM	535	0.14	6.32	0.11	1.4	4.912	2.88	62	49	108	72	

2000	9	14	9:30 AM	545										77	DO was 1.55 at PB. Base flow.
2000	9	14	3:50 AM	550	0.14	2.73	0.18	1.21	1.923	1.45	63.1	55.5	111	86	DO was 1.94 at PB. Base flow.
2000	9	14	12:50 AM	551										93	DO was 1.66 at PB. Base flow.
2000	9	13	10:00 AM	551										92	DO was 2.3 at PB. Base flow.
2000	9	13	6:45 PM	569										91	Base flow.
2000	9	13	3:40 PM	573	0.12	2.9	0.13	1.1	1.799	1.11	64.4	54.4	115	92	Base flow.
2000	9	13	12:40 PM	558										91	Base flow.
2000	9	13	9:45 AM	554										78	Base flow.
2000	8	31	11:15 AM											166	Base flow.
2000	8	17	11:45 AM	332											Base flow.
2000	8	10	5:56 AM												
2000	8	3	3:15 PM	313											Flow slightly elevated.
2000	7	26	1:00 PM	328	0.16	1.62	0.14	0.95	1.155	0.469	7.7	32.2	70.2	73	
2000	6	20	12:30 PM	236	0.041	0.24	0.116	0.76	0.287	0.124	9	14.8	84	61	
2000	5	17	1:15 PM	298	0.085	1.38	0.115	0.9	0.652	0.404	20.5	63	150	75	Flow slightly elevated.
2000	4	18	2:30 PM	288	0.056	1.31	0.139	0.78	0.518	0.365	14	57.5	120	74	Flow slightly elevated.
2000	3	22	12:30 PM	263	0.033	0.72	0.03	0.98	0.309	0.015	12	58	126	55	Flow slightly elevated.
2000	2	23	11:00 AM	547	0.194	3.82	2.64	3.6	2.26	1.9	45	90	142	98	High flow.
2000	2	17	11:00 AM	705										74	Base flow.
2000	2	3	12:10 PM	709										70	Base flow.
2000	1	25	12:00 PM	542	0.159	5.23	2.5	3.42	2.29	1.96	34	77.5	132	83	Base flow.
2000	1	20	11:55 AM												
1999	12	15	11:30 AM												
1999	11	16	1:30 PM												
1999	10	12	12:30 PM												
1999	9	13	11:10 AM												
1999	8	19	1:00 PM												
1999	2	23	12:50 PM												

IR WBID OK121500020360_00				OCC WBID OK121500-02-0360G				Dog Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.26566667 Longitude -95.61 (DOG-4)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	7	17	2:50 PM	4.45	31.9	7.79	7.14 R	>120	>160	42	13		5.01
2001	1	23	12:15 PM	10.885	4.3	7.06	11 R	1,600	4,352.0	2,100	22		8.68
2000	10	10	4:00 PM	2.85	10.4		5.16 R	100	422	90	<1		4.58
2000	9	14	10:15 AM		24.3	7.23	1.83 R						19.4
2000	9	14	7:35 AM		24.1	7.5	1.54 R						20
2000	9	14	4:40 AM		24.5	7.85	1.79 R	1,000			10		20.5
2000	9	14	1:30 AM		25.5	7.01	1.85 R						9.99
2000	9	13	10:30 PM		25.8	6.95	2.92 R						2.21
2000	9	13	7:15 PM		26.5	7.18	3.49 R						1.53
2000	9	13	4:15 PM		26.4	7.22	4.11 R	7,200			<1		1.42
2000	9	13	1:15 AM		25.2	7.15	3.05 R						1.61
2000	9	13	10:15 AM		24.4	7.05	1.47 R						1.91
2000	4	18	3:00 PM	26.31	20.1	7.64	12.15 R	400			14		21.1
2000	1	25	11:00 PM	2.946	4.5	7.75	10.37 R	100			18		11.8
1999	12	15	12:30 PM	14.182				500					

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	7	17	2:50 PM	437.3	0.76	1.36	0.534	1.69	1.659	0.838	36.55	48.92	122	109	
2001	1	23	12:15 PM	310	0.39	3.47	0.64	1.75	1.43	1.19	30.2	69.5	159	107	
2000	10	10	4:00 PM	545	0.43	8.29	2.44	3.2	3.91	3.622	62.1	45.5	116	91	

2000	9	14	10:15 AM	524										72	DO was 2.31 in a RI. Base flow.
2000	9	14	7:35 AM	523										60	DO was 2.07 in a RI. Base flow.
2000	9	14	4:40 AM	520	0.36	4.52	0.11	1.26	2.669	1.67	56.7	50	101	63	Base flow.
2000	9	14	1:30 AM	521										79	Base flow.
2000	9	13	10:30 PM	523										78	Base flow.
2000	9	13	7:15 PM	549										51	Base flow.
2000	9	13	4:15 PM	552	0.62	4.03	0.21	1.1	2.94	2.859	58.9	46.4	106	74	Base flow.
2000	9	13	1:15 AM	545										69	
2000	9	13	10:15 AM	542										68	Base flow.
2000	4	18	3:00 PM	315	0.11	1.64	0.028	0.93	0.742	0.512	15	60	128	88	DO was 12.33 in a RI.
2000	1	25	11:00 PM	609	0.324	6.28	4.6	5.87	3.27	2.77	44	85.5	144	99	
1999	12	15	12:30 PM												

IR WBID OK121500020360_00				OCC WBID OK121500-02-0360D				Dog Creek						
Sampling Agency: Oklahoma Conservation Commission								County: Rogers						
Sampling Location: Latitude 36.24861 Longitude -95.598 (DOG-5)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU	
2008	5	6	3:00 PM	21.322	20.4	8.13	5.6 R		120	120	<10	161	16	
2008	3	31	1:30 PM		15.2	7.09	7.4 R				93	264	81.6	
2008	2	26	2:00 PM	64.139	7.7	7.52	11.42 R				14	194	165	
2008	1	28	2:30 PM	5.644	4.3	7.39	12.26 R				<10	274	9.15	
2007	12	3	2:30 PM	1.026	8.7	7.46	9.37 R				<10	282	2.72	
2007	11	6	1:30 PM	2.949	12.4		7 R				<10	264	4.25	
2007	10	2	1:00 PM	2.415	23.2		3.6 R				<10	258	7.84	
2007	8	27	2:20 PM	6.699	27.6	6.43	4.09 R		100	170	<10	187	12.9	
2007	7	23	1:45 PM	7.467	27.9	7.24	4.28 R		30	20	<10	158	12.7	
2007	7	10	2:30 PM						260	630				

2007	6	19	1:00 PM	16.251	24.7	7.3	3.05 R		280	180	<10	155	26.5
2007	5	14	1:15 PM	17.1	24.1		5.32 R		480	260	<10	160	19.7
2007	4	9	1:30 PM	3.944	9.4	7.39	8.04 R		45	20	<10	241	3.99
2007	3	5	1:45 PM	5.16	8.8	7.58	13.59 R				15	206	16.4
2007	1	29	1:15 PM	53.051	3.1	8.08	13.04 R				17	210	23.9
2007	1	2	1:00 PM	5.252	6	7.17	10.02 R				<10	165	39.1
2006	11	27	1:00 PM	1.074	13.3	7.11	5.37 R				<10	362	3.48
2006	10	23	1:00 PM	1.545	10	6.81	9.74 R				<10	251	5.66
2006	9	18	12:15 PM	18.286	20.4	6.7	4.12 R		>1,000	>1,000	38	166	66.8
2006	8	31	6:15 AM		23.2		3.6 R						
2006	8	14	12:45 PM	1.229	29.9	7.82	7.13 R		60	30	<10	320	3.29
2006	7	26	7:30 AM	2.294	26	7.52	4.52 RI						4.04
2006	6	19	9:15 AM	8.389	23.3	7.16	2.47 R		140	190	<10	310	6.71
2003	5	13	9:30 AM	20.401	20.1	7.69	4.43 RI		<10	90	10*	291*	9.45
2003	4	8	9:15 AM	64.612	12.7	8.05	8.13 RI		740	230	27*	190*	38.5
2003	3	4	9:45 AM	32.855	6.5	7.89	7.41 RI				<10*	258*	31
2003	1	28	9:30 AM	19.173	1.8	7.78	6.51 RI				<10	411	17.4
2002	12	17	9:15 AM	4.909	7.3		6.41 RI				<10	279	12.6
2002	11	19	9:30 AM	16.541	7.9	9.94	4.79 RI				<10	376	4.6
2002	10	15	9:45 AM	7.912	12.3	7.65	2.22 RI		40	80	<10	331	8.73
2002	9	17	9:30 AM	13.988	22.5	8.36	1.11 RI		>400	540	10*	202*	14.4
2002	8	6	9:15 AM	17.844	28.3	7.34	1.76 RI		>800	390	<10	265	24.6
2002	7	31	8:00 AM	19.359	25.1	7.45	4.43 RI						24.5
2002	7	9	9:30 AM	15.24	28.2	7.66	4.98 RI		1,340	280	<10	240	15.5
2002	3	19	9:30 AM		10.6	8.73	5.52 RI				20	217	18.9
2002	2	12	10:00 AM	20.252	4.4	7.88	8.76 RI				<10	293	15.5
2002	1	8	9:45 AM	14.986	1.6	9.5	13.43 RI				11	240.5	13.9
2001	12	4	9:30 AM	7.258	9.6	8.77	8.1 RI				<10	314.5	10.1
2001	10	23	9:45 AM	9.317	17.9	7.27	4.97 RI		110	40	<10	327.5	9.03
2001	8	21	11:00 AM	4.188	25.9	7.54	1.74 R	1,180	690	250	6		21.5

2001	8	14	9:30 AM	5.91	26.1	8.02	3.83 RI		150	295	38	268	30.6
2001	7	17	12:45 PM	7.233	27.3	7.41	1.71 R	>120	>160	102	19		16.5
2001	6	19	1:00 PM		26	7.18	2.96 RI	200	146	130	30		26.6
2001	5	15	1:50 PM	6.223	23.7		3.08 R	400	309	800	16		17.4
2001	4	17	11:45 AM	40.395	14.9	7.57	6.8 RI	360	327	600			15.8
2001	3	13	11:30 AM	108.71	11	7.63	10.28 R	500	529	500	24		38.2
2001	1	23	9:00 AM	10.376	1.9	7.42	11.33 R	100	554	1,300	10		12.4
2000	12	19	12:45 PM	11.579	0.4	7.46		3,000	2,014	1,400	13		16.4
2000	11	14	12:25 PM	1.562			6.45 R	160	148	1,700	8		14.4
2000	10	10	1:20 PM	2.192	10.7	7.2	3.06 R	100	107	120	2		12
2000	9	14	9:00 AM	2.581	23.7	7.15	1.88 R						22.7
2000	9	14	6:20 AM	2.497	24	7.46	1.97 RI						22.7
2000	9	14	3:00 AM		24.5	7.17	2.08 RI	2,100			18		26.7
2000	9	14	12:00 AM	2.809	25	6.96	2.08 RI						24.5
2000	9	13	9:00 PM	2.489	25.6	6.44	2.34 RI						22.7
2000	9	13	6:00 PM	3.417	25.9	7.13	2.7 RI						18.3
2000	9	13	3:00 PM	3.444	26	7.2	2.98 RI	460			4		17.6
2000	9	13	12:00 PM	3.261	24.7	7.17	2.61 RI						15.7
2000	9	13	9:00 AM	3.001	23.9	7.07	1.82 RI						16.6
2000	8	31	10:50 AM		25		7.78 R						13.2
2000	8	17	10:45 AM		27.3		3.08 R						21.7
2000	8	3	2:30 PM		27.6	7.38	5.01 R						35.5
2000	7	26	12:15 PM	9.656	24.8		4.63 R	500			26		36.2
2000	6	20	11:15 AM	137.94	23.5	7.58	6.84 R	2,000			38		329
2000	5	17	11:45 AM		20	7.22	6.37 R	1,400			22		27.1
2000	4	18	1:00 PM	35.625	17.4	7.38	9.36 R	<100			28		21.7
2000	3	22	11:00 AM	53.356	12.3	7.81	9.37 R	300			35		30.7
2000	2	23	9:20 AM	130.11	12.7	7.75	8.43 R	<100			113		144
2000	2	17	10:20 AM		8.3	8.66	14.33 R						13.1
2000	2	3	11:30 AM		3	7.65	10.43 R						11.3

2000	1	25	11:30 AM	7.118	4.2	7.68	10.41 R	200			23.5		18.6
2000	1	20	11:15 AM		6.9	7.54	6.86 R						
1999	12	15	10:45 AM	18.411				<100					
1999	11	16	12:30 PM	2.616				200					
1999	10	12	1:30 PM	4.005				200					
1999	9	13	10:30 AM	12.103				<20					
1999	8	19	8:00:00	4.746									
1999	2	23	14:00:00	15									

IR WBID OK121500020390_00				OCC WBID OK121500-02-0390A				Cat Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.28827778 Longitude -95.609 (CAT-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	8	21	9:20 AM	2.273	24.9	7.17	1.34 R	>600	>800	610	8		16.3
2001	7	17	11:15 AM	3.476	26.5	7.22	2.06 R	>120	>160	44	17		14.1
2001	6	19	11:30 AM		23.7	7.19	3.05 R	400	384	1,000	16		14.3
2001	5	15	12:45 PM	3.5	22.5		3.94 R	500	135	400	29		22.4
2001	4	17	9:45 AM		11.8	7.62	6 R	400	216	230			10.8
2001	3	13	9:50 AM		10.5	7.67	7.7 PT	5,000	3,873	10,000	24		30.7
2001	1	23	9:30 AM	4.167	6.6	7.6	8.7 R	4,530	>24,192	37,000	20		11
2000	12	19	10:50 AM	4.75	3	7.7		33,000		39,000	48		26.4
2000	11	14	9:45 AM	1.231	8.1		5.98 R	58,000	24,197	27,000	6		12
2000	10	10	10:15 AM	3.262	11.1	7.55	4.74 R	200	1,664	1,200	10		7.3
2000	9	14	9:50 AM	3.674	24	7	1.57 RI						8.8
2000	9	14	6:50 AM		24.4	6.64	1.05 RI						15.1
2000	9	14	4:30 AM	2.24	24.9	6.76	1.35 RI	14,000			8		20.8

200	9	14	12:45 AM	3.76	26.1	6.79	1.71 RI							8.72
2000	9	13	9:30 PM		27.3	7.29	1.84 RI							8.99
2000	9	13	6:42 PM		29.26	6.78	3.38 PB							
2000	9	13	3:40 PM		28.59	6.77	3.84 PB	7,100				10		
2000	9	13	12:25 PM		25.24	6.92	3.73 PB							
2000	9	13	9:40 AM		23.68	6.88	2.58 PB							
2000	8	31	12:45 PM		27.1	7.28	3.22 RI							10.1
2000	8	17	9:30 AM		25.7		1.24 R							9.64
2000	8	3	4:15 PM		29.3	7.67	5.63 R							17.4
2000	7	26	10:40 AM	3.042	23.5		2.27 R	21,000				4		13
2000	6	20	9:30 AM		22.8	7.67	4.07 R	4,500				43		30.3
2000	5	17	10:00 AM	7.665	20.4	7.52	3.2 R	11,000				7		10.8
2000	4	18	9:30 AM	3.254	16.5	7.16	7.33 R	9,000				19		16.4
2000	3	22	1:45 PM	5.409	15.9	7.81	6.64 R	2,500				12		8.4
2000	2	23	12:00 PM	25.615	13.5	7.94	4.02 R	20,000				33		14.4
2000	2	17	9:15 AM		10.3	7.27	3.86 R							9.1
2000	2	3	9:30 AM		7	7.54	5.54 R							13.8
2000	1	25	9:00 AM	3.283	5.8	7.47	5.79 R	200				16		8.57
2000	1	20	9:45 AM		6.5	7.48	4 R							
1999	12	15	9:15 AM	3.522				1,000						
1999	11	16	8:00 AM	2.124				2,000						
1999	9	13	9:15 AM	5.981				1,300						
1999	8	9	8:00 AM	3										
1999	2	23	9:30 AM	5										

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	8	21	9:20 AM	590	0.96	5.73	3.363	5.363	3.652	3.089	65.5	54	124.3	107	

2001	7	17	11:15 AM	579	0.76	5.78	2.54	3.52	3.329	2.351	49.3	67.99	134.4	109	DO was 2.02 at PT and 1.85 at PB.
2001	6	19	11:30 AM	603	0.25	5.5	1.3		3.17	3.12	59.4	73.5	148	100	Base flow.
2001	5	15	12:45 PM	654	0.46	3.51	4.92			4.15	66.5	82.3	168	105	
2001	4	17	9:45 AM	431.6	0.15	8.2	0.18		2.43	2.06	41.3	103	183	109	
2001	3	13	9:50 AM	550	0.23	3.23	0.38	1.83	0.954	0.799	18.4	93.2	176	102	
2001	1	23	9:30 AM	757	1.86	7.29	1.46	3.5	3.125	3.09	53.6	103	211	122	
2000	12	19	10:50 AM	654	0.32	6.79	1.91	4.8	2.47	1.855	41.7	65.2	164	97	
2000	11	14	9:45 AM	616	0.51	3.57	4.05	4.58	3.45	2.682	45.4	63.6	152	123	
2000	10	10	10:15 AM	718	0.76	7.45	4.76	6.39	6.18	3.433	86.6	43.9	105	62	DO was 2.01 at PT.
2000	9	14	9:50 AM	767										61	
2000	9	14	6:50 AM	798										71	Base flow.
2000	9	14	4:30 AM	810	0.64	<8058	1.45	3.41	6.72	5.615	66.5	47.7	95.8	65	
200	9	14	12:45 AM	843										84	
2000	9	13	9:30 PM	773										61	Base flow.
2000	9	13	6:42 PM	607											
2000	9	13	3:40 PM	559	0.51	8.39	1.09	3.52	5.72	4.216	57.4	48.4	108		Base flow.
2000	9	13	12:25 PM	537											
2000	9	13	9:40 AM	538											Base flow.
2000	8	31	12:45 PM											59	Base flow.
2000	8	17	9:30 AM	562											Flow slightly elevated.
2000	8	3	4:15 PM	574											Flow slightly elevated.
2000	7	26	10:40 AM	565	0.42	4.99	2.12	3.56	5.181	3.771	39.2	59.3	110	85	
2000	6	20	9:30 AM	505	0.172	1.82	0.49	1.94	1.77	0.99	20	99	180	148	Elevated flow.
2000	5	17	10:00 AM	632	0.311	3.79	1.14	2.41	3.02	2.38	40	122	250	135	
2000	4	18	9:30 AM	664	0.411	10.2	1.05	3.89	4.87	4.29	47	124	170	108	
2000	3	22	1:45 PM	664	0.387	8.78	1.22	3.35	3.01	2.62	36	125	108	107	
2000	2	23	12:00 PM	710	0.638	6.66	4.9	6.16	2.55	1.8	37	102	150	102	
2000	2	17	9:15 AM	751										100	Base flow.
2000	2	3	9:30 AM	746										103	Base flow.

2000	1	25	9:00 AM	676	0.365	6.38	6.4	8.76	4.47	3.6	53	101	140	102
2000	1	20	9:45 AM											
1999	12	15	9:15 AM											
1999	11	16	8:00 AM											
1999	9	13	9:15 AM											
1999	8	9	8:00 AM											
1999	2	23	9:30 AM											

IR WBID OK121500020390_00				OCC WBID OK121500-02-0390B				Cat Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.294 Longitude -95.62463889 (CAT-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	8	21	8:50 AM	0	25.7	7.25	1.95 PT	890	740	170	17		22.7
2001	7	17	10:40 AM	0.301	27.5	7.37	2.32 R	>120	>160	80	25		19.5
2001	6	19	10:30 AM		25.1	7.48	3.44 R	400	158	100	<5		27.2
2001	5	15	11:30 AM	0.84	23.6		4.18 R	600	173	500	17		16.6
2001	4	17	9:00 AM	0.868	12.6	7.65	6.57 R	130	31	100			9.89
2001	3	13	8:40 AM	5.974	9.6	7.73	9.01 RI	400	512	670	22		24.1
2001	1	23	8:45 AM	1.5	2.7	7.51	13.11 R	<10	20	<10	48		18.6
2000	12	19	10:15 AM	1.2	1	7.84	11.47 R	<10	10	200	29		34.8
2000	11	14	10:40 AM		4.9	8.38 R		200	199	1,000	12		22.5
2000	10	10	9:30 AM	0	10.2	7.61	2.21 PT	140	31	300	18		22.7
2000	8	31	12:45 PM		24.8	8.04	3.1 R						10.7
2000	8	17	8:40 AM		27.3		2.81 R						8.41
2000	8	10	5:55 AM	0									
2000	8	3	8:45 AM		24.4	7.67	4.05 R						6.9
2000	7	26	10:00 AM	0.417	23.7		5.39 R	700			18		10.1

2000	6	20	8:30 AM	6.481		7.65	6.36 R	20,000			26		21.1
2000	5	17	9:00 AM	1.943	20.2	7.64	6.56 R	<100			9		11.4
2000	4	18	8:45 AM	1.606	16.9	7.55	9.41 R	100			21		13.7
2000	3	22	9:00 AM	7.263	12.7	7.92	7.8 R	<100			19		14.2
2000	2	23	7:30 AM	18.473	12.8	7.77	8.54 R	800			121		107
2000	2	17	8:45 AM	0.09	8.7	7.47	8.57 R						25.4
2000	2	3	10:00 AM		4	8.01	10.52 R						21.9
2000	1	25	8:30 AM		2.8	8.04	11.52 R	100			22.5		18.8
2000	1	20	9:00 AM		4.6	7.46	10.2 R						
1999	12	15	8:30 AM	0.868				100					
1999	11	16	7:20 AM	0				<100					
1999	10	12	8:15 AM					<100					
1999	9	13	8:30 AM	0.836				220					

Year	Month	Date	Time	Cond. $\mu\text{S/cm}$	NO_2^- mg/L	NO_3^- mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2001	8	21	8:50 AM	383.9	<0.01	0.51	0.371	0.912			15.3	28.4	145.2	118	
2001	7	17	10:40 AM	443.5	0.4	0.27	0.189	1.12	0.292	0.064	23.4	62.39	144.5	115	DO was 2.32 at PT.
2001	6	19	10:30 AM	570	<0.05	0.29	0.19		0.152	0.028	18.8	86	210	129	
2001	5	15	11:30 AM	544	0.08	0.24	0.3		0.124	0.033	17.8	88	194	139	
2001	4	17	9:00 AM	436.5	<0.05	0.29	0.15		0.059	0.02	14.4	120	234	130	
2001	3	13	8:40 AM	605	0.05	0.16	0.07	0.73	0.082	0.039	9.5	127	241	120	
2001	1	23	8:45 AM	737	0.06	0.88	0.31	0.9	0.064	0.025	43.4	136	268	138	
2000	12	19	10:15 AM	483	<0.05	0.48	0.18	1.1	0.094	0.034	27.6	49.7	164	87	
2000	11	14	10:40 AM	569	<0.05	0.59	0.1	0.51	0.096	0.076	20.2	85.5	198	132	Base flow.
2000	10	10	9:30 AM	512	<0.05	<0.05	0.25	0.54	0.111	0.033	10.6	35.3	213	134	
2000	8	31	12:45 PM	635										197	DO was 1.94 at PT. Low flow.
2000	8	17	8:40 AM	547											Base flow.

2000	8	10	5:55 AM												
2000	8	3	8:45 AM	548											Flow slightly elevated.
2000	7	26	10:00 AM	554	<0.05	0.2	0.05	0.41	0.06	0.032	11.3	83.5	192	145	
2000	6	20	8:30 AM	531	0.023	0.24	0.117	0.99	0.168	0.052	12	104	220	156	
2000	5	17	9:00 AM	7.63	0.012	0.291	<0.048	0.38	0.066	0.014	20	179	370	132	
2000	4	18	8:45 AM	431	<0.004	<0.25	<0.008	0.79	0.065	0.013	17	166	280	151	DO was 9.46 in a RI.
2000	3	22	9:00 AM	610	<0.004	0.145	0.031	0.36	0.055	0.005	20	137	214	149	
2000	2	23	7:30 AM	358	0.026	1.1	0.18	1.32	0.269	0.093	14	88	130	62	
2000	2	17	8:45 AM	805										110	
2000	2	3	10:00 AM	805										114	Base flow.
2000	1	25	8:30 AM	543	<0.005	<0.103	0.15	0.34	0.045	<0.002	28	114	204	119	Base flow.
2000	1	20	9:00 AM												Base flow.
1999	12	15	8:30 AM												
1999	11	16	7:20 AM												
1999	10	12	8:15 AM												
1999	9	13	8:30 AM												

IR WBID OK121500020400_00				OCC WBID OK121500-02-0400M				Chambers Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Rogers					
Sampling Location: Latitude 36.23417 Longitude -95.64345 (CHA-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2015	7	21	8:50 AM	0.3	27								
2015	2	7	11:30 AM		6								
2014	1	22	4: pm		3								Low flow.

IR WBID OK121500020480_00				OCC WBID OK121500-02-0480F				Spunky Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Rogers					
Sampling Location: Latitude 36.18058 Longitude -95.74153 (SPU-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2011	6	21	8:53 AM	3.8	24								
2011	2	23	2:46 PM	4.27	14								
2010	9	1	3:30 PM	1.296	29								
2010	2	17	3:45 PM	5.684	15								
2010	1	6	12:30 PM	5.07									
2009	7	13	4:30 PM	0.108									

IR WBID OK121500020480_00				OCC WBID OK121500-02-0480K				Spunky Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Rogers					
Sampling Location: Latitude 36.1626111 Longitude -95.7454166 (SPU-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2018	2	14	1:30 PM		8								Base flow.
2017	7	28	12:00 PM		30								Base flow.
2017	2	10	4:00 PM		11								Base flow.
2016	8	31	1:15 PM		27								Flow slightly elevated.
2015	7	20	8:50 AM	1.143	28								
2014	8	26	6:20 PM		30								Base flow.
2014	3	6	10:40 AM		3								Base flow.

2013	7	11	3:00 PM	1.006	33								
2013	3	13	12:20 PM	1.92	10								
2012	7	3	11:45 AM	0.765	29								
2012	2	2	10:02 AM	1.6	9.5								
2010	1	11	3:05 PM	6.43	2								
2008	8	27	11:15 AM	1.075	27								
2008	5	23	9:50 AM					2,420	65				
2008	1	30	12:00 PM	3.2	5								
2007	8	13	8:45 AM	0.826	27								
2007	1	4	1:25 PM	8.14	7								
2006	7	27	9:24 AM	0.97	27								
2005	9	25	9:24 AM						27				
2005	8	25	9:30 AM						435				
2005	7	21	9:32 AM						2				
2005	1	10	2:19 AM	13.19									
2004	9	16	9:45 AM						130				
2004	8	26	9:17 AM						280				
2004	8	9	9:30 AM	1.14									
2004	7	22	10:20 AM						51				
2004	7	16	10:50 AM	2.5									
2004	6	24	10:30 AM						290				
2004	5	27	8:00 AM						350				

IR WBID OK121500020480_00				OCC WBID OK121500-02-0480G				Spunky Creek					
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb)								County: Tulsa					
Sampling Location: Latitude 36.17844444 Longitude -95.74219444 (SPU-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2005	6	23	8:30 AM						76				
1997	7	22	11:00 AM	1.209									
1997	1	23	1:45 AM										Base flow.
1996	11	12	12:00 PM										Base flow.

IR WBID OK121500040010_00				OCC WBID OK121500-04-0010B				Dog Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.29461111 Longitude -95.601 (DOG-6)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	7	17	11:55 AM	2.045	28.3	7.29	3.98 R	>120	>160	38	23		30.7
2001	1	23	10:30 AM	5.015	3.1	7.62	12.69 R	<10	20	40	12		7.08
2000	10	10	11:00 AM	0	10.5	7.95	6.55 PT	60	31	100	<1		19.7
2000	4	18	10:20 AM	20.211	18	7.46	10.02 R	400			20		17.1
2000	1	25	10:00 AM	1.524	2.9	7.81	11.55 R	100			9		7.92
1999	11	16	8:30 AM	0				200					
1999	8	11	12:00 PM	4									
1999	2	23	10:30 AM	12									

Year	Month	Date	Time	Cond. $\mu\text{S/cm}$	NO_2^- mg/L	NO_3^- mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2001	7	17	11:55 AM	192.3	0.39	0.49	0.221	1.11	0.353	0.223	6.32	14.91	78.4	89	DO was 3.92 at PT and 3.9 at PB.
2001	1	23	10:30 AM	269	<0.05	0.23	0.09	0.51	0.106	0.008	8.3	31.4	107	74	
2000	10	10	11:00 AM	312	<0.05	<0.05	<0.05	0.54	0.094	0.087	<5	32.8	123	64	
2000	4	18	10:20 AM	208	0.006	<0.25	<0.027	0.6	0.068	0.006	8	43.7	100	67	
2000	1	25	10:00 AM	214	<0.003	<0.142	0.15	0.58	0.06	<0.001	10	40.1	90	46	
1999	11	16	8:30 AM												
1999	8	11	12:00 PM												
1999	2	23	10:30 AM												

IR WBID OK121500040010_00				OCC WBID OK121500-04-0010M				Dog Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Rogers					
Sampling Location: Latitude 36.3562 Longitude -95.5433 (DOG-7)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water ($^{\circ}\text{C}$)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2013	4	16	9:30 AM	0	15.1	6.8	5.59 PT				<10	138	15
2013	3	12	9:30 AM	0	8.7	7.73	9.57 PT				<10	131	12.9
2013	2	4	8:30 AM	0	5.8	6.46	10.84 PT				<10	143	18.6
2013	1	8	8:45 AM	0	2.6	7.85	5.24 PT				<10	148	13.3
2012	11	26	8:45 AM	0	8.9	6.06	3.41 PT				<10	122	11.8
2012	10	16	9:00 AM	0	16.9	6.14	3.11 PT				20	167	82.2
2012	9	11	9:00 AM	0	22.8	7.18	3.66 PT		<5		11	142	26.7
2012	8	7	8:30 AM	0	28.3	6.91	1.74 PT		<5		<10	197	18.4
2012	7	9	8:45 AM	0	29.1	7.25	157 PT		10*		<10	150	37.7
2012	7	3	9:00 AM	0									

2012	5	30	9:00 AM	0	25.7	7.06	2.87 PT		<10		16	166	19.1
2012	4	24	9:00 AM	0	15.4	6.67	5.61 PT		<10			1925	16.3
2012	4	10	9:00 AM	0	17.3	7.06	5.56 PT				<10	223	17.8
2012	1	9	9:00 AM	0	4.7	6.57	9.18 PT				<10	144	6.59
2012	1	4	8:30 AM	0									
2011	12	6	8:30 AM	0	4	6.32	7.21 R				<10	168	
2011	10	25	9:30 AM	0	15.1	6.98	3.62 PT				<10	133	12.2
2011	9	20	9:30 AM	0	19.9	6.97	2.97 PT		5	5	<10	127	17.8
2011	9	7	9:30 AM	0					5	20			14.1
2011	8	16	9:00 AM		25.5	6.57	2.36 PT		130	120	<10	160	56.6
2011	7	12	8:45 AM	0	30.2	7.01	3.13 PT		5	145	<10	132	19.4
2011	7	6	8:00 AM	0	29.6	6.71	2.99 PT						13.3
2011	6	13	1:00 PM	0	29	6.98	5.4 PT		5*	5*	<10	159	6.73

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2013	4	16	9:30 AM	245.2	<0.02	<0.02		0.38	0.055	0.018	10.2	37.2	166	93	
2013	3	12	9:30 AM	242.8	<0.02	<0.02		0.31	0.033	0.01	12.1	37.5	194	103	
2013	2	4	8:30 AM	254.3	<0.02	<0.02		0.29	0.048	0.018	12.3	36.6	191	94	
2013	1	8	8:45 AM	284	<0.02	<0.02		0.51	0.061	0.03	13.6	27.1	202	133	
2012	11	26	8:45 AM	144.4	<0.02	<0.02		0.76	0.085	0.028	6.6	26.6	184	114	
2012	10	16	9:00 AM	160.3	<0.02	0.78		1.16	0.145	0.047	4.6	28	146	126	
2012	9	11	9:00 AM	286.7	<0.02	0.03	0.127	1.15	0.097	0.025	11.3	18.7	222	141	
2012	8	7	8:30 AM	296.7	<0.02	<0.02	0.161	1.01	0.081	0.029	11.7	14.2	159	120	
2012	7	9	8:45 AM	288.3	<0.02	<0.02	0.04	0.7	0.061	0.007	11.2	13.1	137	126	*Exceeded hold time.
2012	7	3	9:00 AM												
2012	5	30	9:00 AM	256.7	<0.02	<0.02		0.66	0.083	0.011	10.7	25.1	118	46	

2012	4	24	9:00 AM	277.9	<0.02	0.07		0.55	0.064	0.034	10.4	52.5	147	81	
2012	4	10	9:00 AM	285.1	<0.02	<0.02		0.42	0.049	0.02	10.6	52.35	122	79	
2012	1	9	9:00 AM	243.1	<0.02	<0.02		0.22	0.031	0.019	12.5	40.2		101	
2012	1	4	8:30 AM												
2011	12	6	8:30 AM	250.9	<0.02	0.1	0.019	0.46	0.045	0.03	12	47		58	
2011	10	25	9:30 AM	224.6	<0.02	0.04	0.025	0.87	0.06	0.011	6.2	528.4		94	
2011	9	20	9:30 AM	213.3	<0.02	0.06	0.196	0.94	0.062	0.021	5.8	28.1		75	
2011	9	7	9:30 AM												
2011	8	16	9:00 AM	179.9	0.05	0.84	0.162	1.29	0.121	0.047	4.6	29.6		52	Flow is slightly elevated.
2011	7	12	8:45 AM	251	<0.02	0.03	0.03	0.78	0.064	<0.005	10.3	14.2		145	
2011	7	6	8:00 AM	243.3										90	DO was 2.94 at PB.
2011	6	13	1:00 PM	251	<0.02	<0.02	<0.015	0.5	0.03	0.01	10.4	29.1		75	*Exceeded hold time.

IR WBID OK520700010120_00				OCC WBID OK520700-01-0120C				Deep Fork			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb Data)								County: Okmulgee			
Sampling Location: Latitude 35.5781944 Longitude -95.9943888 (DEE-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments	
2018	1	25	10:30 AM		5					Base flow.	
2017	2	16	11:30 AM		11					Base flow.	
2016	8	3	12:30 PM		31					Base flow.	
2009	3	7	9:30 AM		15					Base flow.	
2008	7	4	10:30 AM		29					Slightly elevated flow.	
2006	7	8	9:27 AM	12.94						Low flow.	
2006	1	9	11:30 AM	61.77	10					Base flow.	
2005	7	28	1:36 AM	87.56						Base flow.	

2004	9	13	12:20 PM	19.95						Base flow.
2004	1	14	10:30 AM	49.67						Low flow.

IR WBID OK520700010120_00				OCC WBID OK520700-01-0120F				Deep Fork River			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb Data)								County: Okmulgee			
Sampling Location: Latitude 35.5798333 Longitude -95.9845555 (DEE-2)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments	
2006	1	9	1:15 PM	11.2	10					Base flow.	
2005	7	28	10:59 AM	27.1						Base flow.	
2004	9	20	9:43 AM	30.01						Low flow.	
2004	9	13	2:52 PM	27.04						Low flow.	
2004	1	14	1:43 AM	61.23						Base flow.	

IR WBID OK520700010120_00				OCC WBID OK520700-01-0120L				Deep Fork River			
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb Data)								County: Okmulgee			
Sampling Location: Latitude 35.540833 Longitude -95.91225 (DEE-3)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments	
2004	1	15	9:45 AM	9.4							

IR WBID OK520700010170_00				OCC WBID OK520700-01-0170G				Wolf Creek						
Sampling Agency: Oklahoma Conservation Commission							County: Okmulgee							
Sampling Location: Latitude 35.442 Longitude -95.89776667 (WOL-1)														
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Turb. NTU	Cond. µS/cm	Alk. mg/L	Comments
2003	8	7	10:00 AM	0.358	26.3	6.59	1.81 R				50	123.9	26	
2003	7	17	7:30 AM	0										

IR WBID OK520700010220_00				OCC WBID OK520700-01-0220D				Montezumah Creek					
Sampling Agency: Oklahoma Conservation Commission							County: Okmulgee						
Sampling Location: Latitude 35.5359 Longitude -95.9521 (MON-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2015	4	13	12:30 PM	0	17.6	7.79	6.67 PT				50	220	74.8
2015	3	2	11:30 AM		1.3	7.81	13.77 R				<10	260	23.5
2015	2	9	12:30 PM	0									
2015	1	27	11:15 AM	0	5.8	7.31	10.9 PT				<10	190	27.9
2014	12	16	7:00 AM		9.1	7.32	9.15 R				43	260	147
2014	11	18	11:45 AM	0	4.1	7.53	2.66 PT				20	230	13.2
2014	9	30	11:30 AM	0	19	7.65	3.2 PT				21	230	95
2014	8	26	12:15 PM	0	27.3	7.51	2.32 PT		20		17	230	18.3
2014	8	12	11:00 AM	0									
2014	7	22	10:15 AM	0	22.8	7.19	4.15 PT		40		<10	270	70.3
2014	6	30	1:45 PM						160				44.2

2014	6	17			25.9	7.37	8.08 R		290		16	210	48.2
2014	5	13	11:15 AM	50	18.2	7.25	5.63 R		>2,000		200	300	235
2014	4	8	1:00 PM		15.7	7.63	9.13 R				18	220	17.9
2014	3	4	12:30 PM		1.8	7.87	11.76 R				<10	320	11.5
2014	1	27	12:00 PM		2.5	7.9	12.46 R				<10	250	22.4
2013	12	17	12:00 PM	2.5	2.9	6.88	11.56 R				<10	250	12.4
2013	11	13	12:30 PM	0	7.9	6.5	6.43 PT				15	220	44.5
2013	10	8	11:50 AM	0	14.4	6.6	3.25 PT				14	230	81.6
2013	9	4	9:30 AM	0	22.4	6.89	2.1 PT		20		15	253	43.9
2013	7	30	10:00 AM	0	25.5	7.11	3.95 PT		1,000		23	318	147
2013	7	12	6:15 AM	0	25.2	6.96	1.57 PB						21.1
2013	7	5	3:45 PM	0									
2013	7	1	1:15 PM						10*				20.7
2013	6	25	12:00 PM		27.1	6.89	3.5 R		40		17	208	35.7
2013	5	21	2:30 PM		20.4	6.65	5.54 R		1,200		43	231	125

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	4	13	12:30 PM	364.4	<0.02	0.02		0.78	0.1	0.034	57.4	24.3	121	59	
2015	3	2	11:30 AM	436.9	<0.02	<0.02		1.05	0.042	0.013	78.7	31	197	56	Flow slightly elevated.
2015	2	9	12:30 PM												
2015	1	27	11:15 AM	344.6	<0.02	<0.02		0.48	0.045	0.017	55.3	26.5	163	51	
2014	12	16	7:00 AM	286.4	<0.02	0.04		1.19	0.139	0.045	48.5	19	102	52	Flow is elevated.
2014	11	18	11:45 AM	447	<0.02	<0.02		1.39	0.283	0.209	75.3	2.5	175	97	
2014	9	30	11:30 AM	234.1	<0.02	<0.02		1.13	0.193	0.098	29	4.5	119	92	
2014	8	26	12:15 PM	432.2	<0.02	<0.02	<0.015	1.08	0.067	0.013	60.4	8.3	163	158	
2014	8	12	11:00 AM												
2014	7	22	10:15 AM	37503	<0.02	<0.02	0.027	93	0.081	0.026	54.2	14.2	140	91	

2014	6	30	1:45 PM												Flow slightly elevated.
2014	6	17		321.4	0.04	0.16	0.04	0.84	0.07	0.029	47.5	18.3	102	61	Flow slightly elevated.
2014	5	13	11:15 AM	364.2	<0.02	0.16		1.45	0.198	0.032	59.8	25.5	153	64	
2014	4	8	1:00 PM	410.1	<0.02	<0.02		0.49	0.035	0.006	75.1	29.6	111	45	
2014	3	4	12:30 PM	532	<0.02	<0.02		0.43	0.037	0.005	104.2	40.3	178	58	Base flow.
2014	1	27	12:00 PM	415.3	<0.02	<0.02		0.39	0.04	0.006	78.5	32.2	102	49	Base flow.
2013	12	17	12:00 PM	419	<0.02	<0.02		0.29	0.036	0.01	69.8	32.5	176	99	
2013	11	13	12:30 PM	294.3	<0.02	<0.02		0.86	0.097	0.033	42.5	17.5	172	63	
2013	10	8	11:50 AM	258.7	<0.02	<0.02		1.28	0.169	0.055	32.4	11.3	103	84	
2013	9	4	9:30 AM	160.4	<0.02	<0.02	0.022	0.84	0.107	0.03	26.5	12.4	86	85	
2013	7	30	10:00 AM	262	0.07	0.11	0.107	1.16	0.155	0.053	36.8	12.3	117	95	
2013	7	12	6:15 AM	324									155	113	
2013	7	5	3:45 PM												
2013	7	1	1:15 PM												*Exceeded hold time. Base flow.
2013	6	25	12:00 PM		<0.02	0.03	0.046	0.84	0.072	0.012	41.9	17.9	110	92	
2013	5	21	2:30 PM	263.1	<0.02	0.09		1.15	0.123	0.042	34.3	17.1	89	66	Elevated flow.

IR WBID OK520700020010_10				OCC WBID OK520700-02-0010R				Deep Fork River		
Sampling Agency: Oklahoma Conservation Commission (Blue Thumb Data)							County: Okmulgee			
Sampling Location: Latitude 35.6132222 Longitude -96.0238055 (DEE-4)										
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	Comments
2018	1	25	3:00 PM		6					Base flow.
2017	2	16	2:45 PM		11					Base flow.
2016	8	3	10:30 AM		31					Base flow.
2011	6	23	8:47 AM		28					Base flow.
2010	9	8	9:30 AM	49.6	27					

2009	3	7	12:15 PM	87.3						
2008	7	23	9:30 AM	133.18	30					
2007	2	23	10:30 AM	121.2						
2006	8	11	8:45 AM	1.5	29					
2006	7	10	11:45 AM	40.11						
2006	1	9	9:25 AM	41.45	9					
2005	7	28	9:15 AM	42.3						
2004	9	13	9:43 AM	28.1						
2004	1	14	3:00 PM	58.39						

IR WBID OK520700020080_00				OCC WBID OK520700-02-0080G			Adams Creek			
Sampling Agency: Oklahoma Conservation Commission							County: Okmulgee			
Sampling Location: Latitude 35.69688889 Longitude -96.041 (ADA-1)										
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	10	7	1:30 PM	1						
1997	7	14	1:45 AM	1.05						Flow at 12:00 pm was 0.91.
1997	6	16	12:00 PM	0.583						Flow at 12:15 pm was 1.078.

IR WBID OK520700020080_00				OCC WBID OK520700-02-0080K			Adams Creek			
Sampling Agency: Oklahoma Conservation Commission							County: Okmulgee			
Sampling Location: Latitude 35.71158333 Longitude -96.05 (ADA-2)										
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	7	14	12:00 PM	1.06						Flow at 2:00 am was 0.49.

1997	6	12	2:40 PM	0.281						Flow at 3:00 pm was 0.284
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IR WBID OK520700020080_00				OCC WBID OK520700-02-0080P				Adams Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Okmulgee			
Sampling Location: Latitude 35.72625 Longitude -96.05938889 (ADA-3)											

Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1999	3	25	10:15 AM	6.827						
1999	2	24	10:15 AM	5						
1998	12	17	10:30 AM	7.432						
1998	3	3	9:30 AM	1.269						
1997	12	17	10:15 AM	1.46						
1997	7	15	10:00 AM	0.26						
1997	7	14	9:00 AM	1						
1997	6	13	12:25 PM	0.368						
1997	6	12	1:00 AM	0.754						

IR WBID OK520700020150_00				OCC WBID OK520700-02-0150G				Salt Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Okmulgee			
Sampling Location: Latitude 35.72625 Longitude -96.124 (SAL-1)											

Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1999	3	25	11:00 AM	5.041						
1998	12	17	9:15 AM	3.242						
1998	6	23	8:30 AM	0.108						

1998	3	3	10:30 AM	1.523						
1997	12	17	11:15 AM	1.326						
1997	7	14	1:00 PM	0.2						
1997	7	11	2:15 AM	0.94						
1997	6	11	11:00 AM	0.079						
1997	5	16	5:45 PM	0.179						
1989	4	1	5:05 PM	5.044						

IR WBID OK520700020150_00				OCC WBID OK520700-02-0150J				Salt Creek		
Sampling Agency: Oklahoma Conservation Commission							County: Okmulgee			
Sampling Location: Latitude 35.74047222 Longitude -96.124 (SAL-2)										
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	7	14	10:00 AM	0.11						
1997	7	11	12:30 PM	0.5						
1997	6	11	9:30 AM	0.45						
1997	6	2	3:30 PM	1.179						

IR WBID OK520700020155_00				OCC WBID OK520700-02-0155G				Begger Creek		
Sampling Agency: Oklahoma Conservation Commission							County: Creek			
Sampling Location: Latitude 35.76938889 Longitude -96.10377778 (BEG-1)										
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	7	10	11:00 AM	33						Flow at 8:30 am was 1 cfs.

WBID OK520700020155_00 is assigned to Begger Creek in Okmulgee County, not the Little Deep Fork in Creek County.

IR WBID OK520700030040_00				OCC WBID OK520700-03-0040F				Sandy Creek				
Sampling Agency: Oklahoma Conservation Commission								County: Creek				
Sampling Location: Latitude 35.6683 Longitude -96.3587 (SAD-1)												
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2015	4	13	10:00 AM	4.231	17.1	7.73	6.8 R			19	230	33.9
2015	3	2	1:45 PM	0.755	2.1	7.76	12.92 R			<10	280	4.23
2015	1	27	8:30 AM	0.304	3.3	6.2	12.08 R			<10	240	3.94
2014	12	16	10:20 AM	0.639	6	7.7	11.49 R			<10	240	8.21
2014	11	18	9:45 AM	0								
2014	9	30	9:30 AM	0								
2014	8	26	2:30 PM	0								
2014	8	12	9:45 AM	0								
2014	7	22	8:30 AM	0								
2014	6	30	12:00 PM	0					120			32.9
2014	6	17	8:45 AM	0.198	24.3	7.92	10.73 R		160	<10	230	13.3
2014	5	13	8:30 AM	0.318	14.6	7.72	8.01 R		140	<10	340	7.5
2014	4	8	10:00 AM	1.292	12.2	7.95	9.63 R			<10	240	7.62
2014	3	4	10:15 AM		0.3	7.89	13.86 R			<10	300	7.63
2014	1	27	9:45 AM	<0.05	0.3	8.51	13.99 R			<10	250	7.88
2013	12	17	9:45 AM	0.035	4	7.12	13.16 R			<10	260	6.38
2013	11	13	10:00 AM	0.1	3.4	7.36	11.33 R			<10	190	21.6
2013	10	8	10:20 AM	0								
2013	9	4	7:30 AM	0								
2013	7	30	7:30 AM		23.3	7.25	6.59 R		>1,200	60	291	239

2013	7	5	2:30 PM	0										
2013	7	1	11:45 AM						120*					6.07
2013	6	25	6:45 AM	0.609	25	7.61	6.71 R		90	<10	198			4.86
2013	5	30	7:40 AM	1.397	21.3	7.99	7.72 R							10
2013	5	21	9:45 AM	3.394	19.9	7.23	7.46 R		760*	43	226			246

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	4	13	10:00 AM	367.5	<0.02	0.03		0.69	0.077	0.017	54.8	7.7	204	95	
2015	3	2	1:45 PM	493.7	<0.02	<0.02		0.31	0.01	<0.005	93.5	12.8	233	98	
2015	1	27	8:30 AM	470.9	<0.02	<0.02		0.26	0.011	<0.005	83.1	12.3	260	96	
2014	12	16	10:20 AM	432	<0.02	<0.02		0.49	0.024	0.007	79.3	9.8	213	111	
2014	11	18	9:45 AM												Dry
2014	9	30	9:30 AM												Dry
2014	8	26	2:30 PM												Dry
2014	8	12	9:45 AM												Dry
2014	7	22	8:30 AM												Dry
2014	6	30	12:00 PM												No flow.
2014	6	17	8:45 AM	400.9	0.04	0.09	0.042	0.78	0.037	0.008	44	10	160	131	
2014	5	13	8:30 AM	571	0.08	0.03		0.86	0.041	0.011	119	4.7	247	138	
2014	4	8	10:00 AM	465.7	<0.02	<0.02		0.4	0.023	<0.005	80.6	12.6	173	103	
2014	3	4	10:15 AM	545	<0.02	<0.02		0.24	0.013	<0.005	97.3	15.5	242	98	Base flow.
2014	1	27	9:45 AM	473	<0.02	<0.02		0.28	0.019	<0.005	76.3	15.6	141	103	Low flow.
2013	12	17	9:45 AM	447	<0.02	0.11		0.19	0.016	<0.005	79.3	12.8	257	81	
2013	11	13	10:00 AM	310.3	<0.02	<0.02		0.61	0.058	0.02	42.5	12.3	246	87	
2013	10	8	10:20 AM												Dry
2013	9	4	7:30 AM												Dry
2013	7	30	7:30 AM	254.1	<0.02	<0.02	0.134	1.31	0.16	0.026	24.5	6.8	185	143	Flow is trace.

2013	7	5	2:30 PM												No flow.
2013	7	1	11:45 AM												*Exceeded holding time. Base flow.
2013	6	25	6:45 AM	336	<0.02	0.06	0.019	0.67	0.031	<0.005	32	15	145	130	
2013	5	30	7:40 AM	369.5									197	112	
2013	5	21	9:45 AM	227	<0.02	0.22		1.47	0.139	0.037	24.3	10.6	102	90	*Exceeded holding time.

IR WBID OK520700030040_00				OCC WBID OK520700-03-0040C				Sandy Creek, Lower			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.66825 Longitude -96.359 (SAD-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1998	2	9	11:30 AM	7.84							Flow at 1:00 PM was 0.87.
1997	9	26	10:20 AM	1.4							
1997	6	4	10:00 AM	1.344							
1997	5	21	2:30 PM	3.282							

IR WBID OK520700030040_00				OCC WBID OK520700-03-0040K				Sandy Creek, Propst					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 35.69508 Longitude -96.35695 (SAD-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
2010	7	29	8:20 AM		25								
2010	1	6	12:30 PM	3.81	0								
2009	3	10	10:45 AM	2.05	19								

IR WBID OK520700030040_00				OCC WBID OK520700-03-0040E				Sandy Creek, Upper			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.69711111 Longitude -96.357 (SAD-3)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1998	2	9	10:02 AM	9.5							Flow at 9:00 AM was 1.8.
1997	6	26	3:00 AM	4.11							
1997	6	4	1:31 PM	1.082							
1997	5	21	12:00 PM	2.281							

IR WBID OK520700030100_00				OCC WBID OK520700-03-0100B				Salt Creek				
Sampling Agency: Oklahoma Conservation Commission								County: Creek				
Sampling Location: Latitude 35.6962 Longitude -96.4765 (SAT-1)												
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2015	4	13	9:00 AM	3.309	17.7	7.67	8.36 R			<10	480	11.1
2015	3	2	8:45 AM	1.575	1	7.37	14.89 R			<10	470	8.76
2015	1	26	1:45 PM	0.916	8.2	7.1	11.9 R			<10	480	5.23
2014	12	16	11:00 AM	2.516	7.5	7.62	8.63 R			<10	500	9.15
2014	11	17	8:45 AM	0.1	0.2	7.5	9.74 R			<10	340	4.98
2014	9	30	8:30 AM	0	18.4	6.92	4.44 PT			19	300	18.7
2014	8	26	8:30 AM	0								
2014	7	22	7:15 AM	0.262	24.9	8.1	7.1 R	10		<10	390	4.61
2014	6	30	11:30 AM					50				10.3

2014	6	17	7:30 AM	3.419	25.8	7.8	7.98R	240		<10	550	13.6
2014	5	13	7:30 AM	<0.1	16.3	7.35	2.15 R	25		<10	650	9.39
2014	4	8	8:30 AM	4.964	12.9	7.88	7.99 R			<10	790	16.8
2014	3	4	9:00 AM		0.5	7.84	14.14 R			<10	540	14.2
2014	1	27	9:00 AM		0.5	8.24	13.19 R			<10	520	17.6
2013	12	17	8:00 AM	1.581	1.6	7.58	11.21 R			<10	360	9.7
2013	11	13	8:30 AM	0.369	4.2	7.3	6.92 R			<10	300	45.7
2013	10	8	8:30 AM	0	12.1	7.28	4.6 PT			<10	930	5.92
2013	9	3	2:30 PM	0.1	29.4	7.7	7.05 R	130		<10	498	8.17
2013	7	29	2:00 PM		29.7	8.01	9.01 R	75		<10	400	15.9
2013	7	10	7:00 AM	0.249	25.7	7.62	3.7 R					17.3
2013	7	1	11:15 AM					70*				15.9
2013	6	24	1:45 PM	2.081	31.1	7.82	7.33 R	340		<10	320	24.4
2013	5	21	8:30 AM		21.5	7.22	5.65 R	820*		57	366	116
2010	5	5	2:15 PM	4.995	24.4	7.82	9.65 R	60	30			6.41
2010	3	23	2:15 PM	98.978	11.2	7.53	11.84 R					48.6
2010	2	17	2:45 PM	19.351	5.4	7.84	14.38 R					14.2
2010	1	12	1:45 PM		0.4		14.9 R					6.32
2009	12	1	1:30 PM	6.664	8.4	8.41	11.8 R			<10	385	7.86
2009	10	10	1:30 PM	1.093	17.9	7.64	8.65 R			<10	329	9.59
2009	9	15	1:00 PM	3.576	22.6	8.04	9 R	60	140	<10	292	9.92
2009	8	11	12:30 PM	0.65	28.4		7.69 R	10	210	<10	449	8.79
2009	7	7	1:00 PM	0.469				10	60	<10	709	2.89
2009	6	2	12:00 PM	2.62	24.6	7.8	8.22 R	<100	<10	<10	436	5.08
2009	4	28	1:45 PM	6.863	18.3	7.49	8.15 R	120	20	<10	359	14.3
2009	3	24	1:00 PM	5.433	19.8	7.94	9.97 R			<10	425	20.2
2009	2	18	1:00 PM	3.489	13.3	7.91	12.01 R			<10	446	10.9
2009	1	6	1:30 PM	2.692	4.3	8.05	13.22 R			<10	405	12.7
2008	12	2	1:15 PM	1.563	6.8	7.88	12.55 R			<10	430	7.99
2008	10	21	7:45 AM	0.936	14.7	7.37				<10	471	6.1

2008	10	9	7:30 AM	0.63	14.2	7.95	7.04 R					4.32
2008	9	16	7:30 AM	2.714	16.5	7.52	7.25 R	180	160	<10	343	6.67
2008	8	12	7:15 AM	3.483	23.4	7.6	6.73 R	180	400	<10	442	7.6
2008	7	8	7:30 AM	5.435	26.5	7.66	6.05 R	190	130	<10	486	8.22
2008	7	2	6:30 AM	12	25	7.32	6.53 R	260	80			11.4
2008	6	23	7:00 AM					260	80			
2008	6	3	7:00 AM	22.236	25.2	7.32	7.03 R	310	330	25	286	26.6
2005	5	25	7:45 AM	1.495	23.2	7.77	4.9 R	280	140	24	666	18.2
2005	4	19	8:00 AM	3.973	18.3	7.76	6.85 R	395	130	<10	520	9.73
2005	3	15	8:00 AM	6.734	10.2	7.94	9.61 R			<10	390	8.93
2005	2	8	8:00 AM	37.714	6.5	8.1	11.17 R			55	251	102
2005	1	3	9:00 AM	4.876	12.2	7.98	8.26 R			11	417	10
2004	12	6	9:30 AM	7.175	7.2	8.96	11.18 R			<10	252	50
2004	10	25	10:30 AM	0.178	18.1	7.5	6.92 R			<10	484	7.77
2004	9	20	2:00 PM	0	25.3	7.2	1.4 PT	25	40	<10	543	13.8
2004	8	16	3:00 PM	2.362	25.8	7.83	7.16 R	430	650	15	398	26.8
2004	7	12	2:30 PM	39.838	29.9	7.52	7.14 R	165	300	27	118	30.5
2004	6	14	2:45 PM	4.572	29.2	7.4	4.8 R	170	205	13	258	28.3
2004	5	3	3:00 PM	12.33	17.8	7.14	8.86 R	210	480	48	395	49.4
2004	3	30	12:30 PM	54.249	15.8	6.94	9.61 R			70	330	84.1
2004	2	24	2:30 PM	6.468	8.1	7.76	12.25 R			16	449	20.1
2004	1	21	2:30 PM	10.436	6	7.4	13.08 R			19	220	55.3
2003	12	15	2:30 PM	4.103	6.9	7.73	12.53 R			<10	348	11.4
2003	11	3	10:30 AM	2.264	18.7	7.37	6.57 R			11	406	15.7
2003	9	29	10:00 AM	0.169	16.1	7.48	8.9 R	1,000	250	15*	180	35.6
2003	8	25	9:15 AM	0	25.2	7.1	2.36 PT	<10	30	19*	389*	15.1
2003	7	21	9:15 AM	0.153	27.8	7.7	5023 R	70	255.3	19*	606*	6.83
2003	6	11	9:30 AM	12.466	21.9	7.62	6.82 R					184

Year	Month	Date	Time	Cond. $\mu\text{S}/\text{cm}$	NO_2^- mg/L	NO_3^- mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2015	4	13	9:00 AM	706	<0.02	<0.02		0.56	0.052	0.023	185	16.4	302	167	
2015	3	2	8:45 AM	815.3	<0.02	<0.02		0.38	0.029	0.017	146	24.3	340	188	
2015	1	26	1:45 PM	836	<0.02	<0.02		0.4	0.023	0.014	164	27.4	295	183	
2014	12	16	11:00 AM	874	<0.02	<0.02		0.74	0.083	0.046	191	26.7	318	147	
2014	11	17	8:45 AM	634.4	<0.02	<0.02		0.63	0.049	0.026	88.4	12.8	388	177	
2014	9	30	8:30 AM	556	<0.02	<0.02		1.57	0.163	0.012	85.8	12	199	123	
2014	8	26	8:30 AM												
2014	7	22	7:15 AM	710	<0.02	<0.02	<0.015	0.64	0.028	0.012	124	15	237	186	
2014	6	30	11:30 AM												Base flow.
2014	6	17	7:30 AM	959	<0.02	0.06	0.063	0.71	0.042	0.023	195.2	22.1	266	185	
2014	5	13	7:30 AM	1,123	0.24	<0.02		0.7	0.053	0.023	278.2	14.7	350	231	
2014	4	8	8:30 AM	1,383	0.61	<0.02		0.57	0.049	0.015	347.9	21.7	369	174	
2014	3	4	9:00 AM	922	0.04	<0.02		0.52	0.047	0.012	177	30.3	365	196	Base flow.
2014	1	27	9:00 AM	934	0.09	<0.02		0.45	0.041	0.013	194	28.5	292	166	Base flow.
2013	12	17	8:00 AM	645	<0.02	<0.02		0.31	0.048	0.015	106.8	21	310	172	
2013	11	13	8:30 AM	433.1	<0.02	<0.02		0.08	0.091	0.041	57.5	15.9	233	110	
2013	10	8	8:30 AM	1,578	<0.02	<0.02		0.91	0.051	0.019	431.4	42.9	346	191	
2013	9	3	2:30 PM	525	<0.02	<0.02	0.017	0.77	0.05	0.011	185.2	18.8	215	150	
2013	7	29	2:00 PM	305	<0.02	<0.02	<0.015	0.85	0.08	0.024	57.8	7.9	176	174	
2013	7	10	7:00 AM	794									261	177	
2013	7	1	11:15 AM												*Exceeded holding time.
2013	6	24	1:45 PM	622	<0.02	<0.02	<0.015	1.22	0.103	0.023	97.7	15.9	190	163	
2013	5	21	8:30 AM	612	<0.02	0.04		1.34	0.148	0.056	99	14	193	149	*Exceeded holding time.
2010	5	5	2:15 PM	877	<0.02			<0.11						202	
2010	3	23	2:15 PM	310.1	<0.02			0.89						102	
2010	2	17	2:45 PM	495.4	<0.02			0.34						142	

2010	1	12	1:45 PM	1,007	<0.02		0.3							213	
2009	12	1	1:30 PM	567	<0.02	<0.02	<0.015	0.46		0.01	117.8	19.5	240	187	
2009	10	10	1:30 PM	540	<0.02	<0.02	<0.015*	0.41*	0.061*	0.027*	81.9	16.6	158	152	*Exceeded holding time.
2009	9	15	1:00 PM	515	<0.02	<0.02	0.043*	0.39*	0.037*	0.022*	81.9	11.1	153	150	*Exceeded holding time.
2009	8	11	12:30 PM	802	<0.02	<0.02	0.027	0.5*	0.031*	0.019	154.8	13.3	185	143	*Exceeded holding time.
2009	7	7	1:00 PM	<0.02	<0.02		0.074	0.66	0.091	0.041	351.6	21.9			
2009	6	2	12:00 PM	767	<0.02	0.08	0.07	0.78	0.044	0.013	124.2	21.4	245	198	
2009	4	28	1:45 PM	555	<0.02	0.03	0.099	1.04	0.071	0.021	99.4	14.3	202	165	
2009	3	24	1:00 PM	788	<0.02	<0.02	<0.015	0.63	0.019	0.015	125.4	18.9	239	212	
2009	2	18	1:00 PM	762	<0.02	<0.02	<0.015	0.59	0.056	0.013	143.8	24.3	236	188	
2009	1	6	1:30 PM	760	<0.02	<0.02	<0.015	0.37	0.037	0.008	115.7	31.2	249	206	
2008	12	2	1:15 PM	738	<0.02	<0.02	<0.015	0.35	0.022	0.01	106.5	22.5	280	230	
2008	10	21	7:45 AM	859	<0.02	<0.02	<0.015	0.17	0.025	<0.005	125.3	24	256	177	
2008	10	9	7:30 AM	798										220	
2008	9	16	7:30 AM	499.3	<0.02	0.21	0.049	0.36	0.038	<0.005	75.9	21.7	212	151	
2008	8	12	7:15 AM	692	<0.02	<0.02	<0.015	<0.11	0.029	0.016	117.5	24.3	261	246	
2008	7	8	7:30 AM	847	<0.02	<0.02	0.019	0.21	0.039	0.013	140.5	26	302	236	
2008	7	2	6:30 AM	590										311	
2008	6	23	7:00 AM												
2008	6	3	7:00 AM	490	<0.02	0.14	0.059	0.11	0.101	0.06	68.2	17.1	189.3	166	
2005	5	25	7:45 AM	1,120	<0.02	0.15	<0.015	0.6	0.122	0.035	216.4	17.5	306.3	214	
2005	4	19	8:00 AM	925	<0.02	<0.02	<0.015	0.52	0.035	0.009	145.5	23.4	289.6	215	
2005	3	15	8:00 AM	694	<0.02	<0.02	<0.015	<0.11	0.052	0.011	103.7	24.4	54.2	173	
2005	2	8	8:00 AM	330.3	<0.02	0.25	<0.015	1.45	0.162	0.042	31.7	14.1	102	93	
2005	1	3	9:00 AM	764	<0.02	0.07	0.058	<0.11	0.048	0.013	108.7	24.2	233.2	176	
2004	12	6	9:30 AM	477.4	<0.02	0.17	0.166	0.24	0.12	0.076	59.7	17.1	143.4	110	
2004	10	25	10:30 AM	974	<0.02	<0.02	<0.015	0.37	0.096	0.03	170.4	31.9	227.7	187	
2004	9	20	2:00 PM	961	<0.02	<0.02	<0.015	0.6	0.148	0.027	175.5	12.1	250.1	214	
2004	8	16	3:00 PM		<0.02	0.08	<0.015	0.16	0.093	0.046	90.3	18.2	202.4	139	
2004	7	12	2:30 PM	255	<0.02	0.1	<0.015	<0.11	0.109	0.074	17.2	9.6	102.8	81	

2004	6	14	2:45 PM	512	<0.02	0.24	0.073	<0.11	0.12	<0.005	66.2	16	164.3	133	
2004	5	3	3:00 PM	485	<0.02	0.2	0.132	0.483	0.157	0.068	82.6	14	172.9	129	
2004	3	30	12:30 PM	571	<0.02	0.19	0.066	0.981	0.134	0.061	89.2	16.8	177.9	117	
2004	2	24	2:30 PM	794	<0.02	0.07	0.04	0.403	0.088	0.029	107	23.4	233.4	171	
2004	1	21	2:30 PM	408.6	<0.02	0.23	0.087	0.487	0.14	0.049	51.7	15.6	125	122	
2003	12	15	2:30 PM	694	<0.02	0.07	0.016	0.178	0.072	<0.005	16.9	22.3	213.1	161	
2003	11	3	10:30 AM	747	<0.02	<0.02	0.022	0.549	0.079	<0.005	103.2	19.9	223.4	168	
2003	9	29	10:00 AM	424.8	<0.02	0.06	0.042	0.673	0.094	0.025	64.3	11.4	109.1	78	*Exceeded holding time.
2003	8	25	9:15 AM	722	0.02*	0.02*	0.172	1.653	0.092	0.009	120.5	13.5	157	125	*Exceeded holding time.
2003	7	21	9:15 AM	1,097	0.2*	0.2*	0.084	0.497	0.075	0.011	214.1	24.3	255.3	196	*Exceeded holding time.
2003	6	11	9:30 AM	375										94	

IR WBID OK520700030100_00				OCC WBID OK520700-03-0100C				Salt Creek			
Sampling Agency: Oklahoma Conservation Commission							County: Creek				
Sampling Location: Latitude 35.69636111 Longitude -96.477 (SAT-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	6	25	10:00 AM	1.22							Flow at 12:15 PM was 0.84
1997	5	20	8:00 AM	4.065							Flow at 9:00 AM was 2.236
1997	11	6	9:00 AM	1.97							
1997	6	25	2:00 AM	1.24							Flow at 9:30 AM was 0.73
1997	5	20	8:00 AM	5.532							Flow at 7:45 AM was 2.652
1997	11	6	10:40 AM	2.11							
1997	7	15	1:30 AM	1							
1997	6	25	3:30 AM	2.52							
1997	5	30	8:00 AM	2.682							
1997	5	27	8:00 AM	5.178							
1997	11	6	12:15 PM	1.39							

1997	6	26	11:30 AM	2.48								Flow at 11:50 AM was 2
1997	6	10	8:00 AM	4.686								
1997	5	23	2:30 PM	8.343								

IR WBID OK520700030100_00				OCC WBID OK520700-03-0100G				Salt Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.71158333 Longitude -96.513 (SAT-2)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	11	6	10:40 AM	2.11							
1997	7	15	1:30 AM	1							
1997	6	25	3:30 AM	2.52							
1997	5	30	8:00 AM	2.682							
1997	5	27	8:00 AM	5.178							

IR WBID OK520700030100_00				OCC WBID OK520700-03-0100K				Salt Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.73963889 Longitude -96.565 (SAT-3)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	11	6	9:00 AM	1.97							
1997	6	25	2:00 AM	1.24							At 9:30 AM flow was 0.73.
1997	5	20	8:00 AM	5.532							At 7:45 AM flow was 2.652.

IR WBID OK520700030100_00				OCC WBID OK520700-03-0100M				Salt Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.74644444 Longitude -96.583 (SAT-4)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	6	25	10:00 AM	1.22							At 12:15 PM flow was 0.84.
1997	5	20	8:00 AM	4.065							At 9:00 AM flow was 2.236.

IR WBID OK520700030220_00				OCC WBID OK520700-03-0220D				Camp Creek				
Sampling Agency: Oklahoma Conservation Commission								County: Creek				
Sampling Location: Latitude 35.766 Longitude -96.583 (CAM-1)												
Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2016	6	7	8:00 AM	9	21.3	8.06	7.18 R					14.2
2010	5	5	12:45 PM	0.572	21.8	7.48	7.33 R	30	430			24.7
2010	3	23	12:45 PM	35.203	10.1	7.9	12.69 R					14.9
2010	2	17	1:30 PM	6.681	3.8	7.99	15.04 R					5.71
2010	1	12	12:45 PM	0.01	2.6		10.35 PT					11.2
2009	12	1	12:15 PM	0	8.5	7.95	8.65 PT			< 10	293	5.66
2009	10	20	12:15 PM	0.081	16	7.52	6.55 R			< 10	438	8.09
2009	9	15	11:30 AM	0.088	24.1	7.56	6.73 R	< 20	> 2000	< 10	319	5.3
2009	8	26	12:30 PM	0								
2009	8	11	10:45 AM	0.32	24.7		5.19 R	10	700	< 10	298	9.79
2009	7	7	11:15 AM	0.01	23.4	7.54	6.16 R	< 10	60	< 10	399	3.58
2009	6	2	10:30 AM	0.452	23	7.46	5.99 R	120	150	< 10	280	9.99
2009	4	28	12:15 PM	0.478	18.5	7.73	7.44 R	80	240	< 10	460	9.92

2009	3	24	11:30 AM	0.169	16.9	8.04	9.26 R			< 10	519	11.9
2009	2	18	11:30 AM	0.299	11.4	7.79	11.59 R			< 10	523	8.1
2009	1	23	11:30 AM	0.01								
2009	1	6	12:00 PM	0	3.8	7.79	12.95 PT			< 10	516	7.6
2008	12	2	11:45 AM	0	6.6	7.94	12.3 PT			< 10	490	7.14
2008	10	21	11:45 AM	0.107	16	8.01				< 10	459	5.57
2008	10	8	7:30 AM	0.06	12	8.04	7.97 R					6.62
2008	9	16	11:00 AM	0.212	16.6	7.69	8.12 R	200	100	< 10	451	5.41
2008	8	12	10:15 AM	0.307	23.8	7.67	7.39 R	80	1,440	30	492	8.3
2008	7	8	9:45 AM	0.531	25.5	7.45	5.61 R	240	130	< 10	388	4.4
2008	6	26	6:30 AM	11.194		7.58	6.23 R					22

Year	Month	Date	Time (24 H)	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2016	6	7	8:00 AM	397.6									179	159	
2010	5	5	12:45 PM	510	< 0.02			0.2						198	
2010	3	23	12:45 PM	244.6	< 0.02			< 0.11						91	
2010	2	17	1:30 PM	277.3	< 0.02			0.28						127	
2010	1	12	12:45 PM	717	< 0.02			0.3						228	Sampled through ice.
2009	12	1	12:15 PM	539	< 0.02	< 0.02	< 0.015	0.27		< 0.005	57.4	10.5	227	204	
2009	10	20	12:15 PM	749	< 0.02	< 0.02	0.027*	0.31*	0.009*	0.005*	127.9	8.6	241	185	*Exceeded holding time.
2009	9	15	11:30 AM	631	< 0.02	< 0.02	0.04*	0.4*	0.027*	< 0.005*	79.3	4.9	216	178	*Exceeded holding time.
2009	8	26	12:30 PM												
2009	8	11	10:45 AM	385.6	< 0.02	< 0.02	0.043	< 0.11*	0.406*	0.016	73.6	4	183	155	*Exceeded holding time.
2009	7	7	11:15 AM	725	< 0.02	< 0.02	0.03	0.65	0.037	0.006	98.4	5.8	275	216	
2009	6	2	10:30 AM	529	< 0.02	0.07	0.139	0.44	0.025	0.012	41.8	12	225	192	
2009	4	28	12:15 PM	717	< 0.02	< 0.02	0.093	0.77	0.044	0.009	115.4	12.1	314	249	
2009	3	24	11:30 AM	999	< 0.02	< 0.02	< 0.015	0.74	0.057	< 0.005	146.1	12.6	380	304	

2009	2	18	11:30 AM	1032	< 0.02	< 0.02	< 0.015	0.38	0.033	0.008	185.2	20.6	354	2.61	
2009	1	23	11:30 AM												
2009	1	6	12:00 PM	994	< 0.02	< 0.02	< 0.015	0.43	0.021	< 0.005	132.1	20.2	415	304	No flow.
2008	12	2	11:45 AM	958	< 0.02	< 0.02	< 0.015	0.27	0.018	0.006	108.6	17.1	389	322	No flow.
2008	10	21	11:45 AM	860	< 0.02	< 0.02	< 0.015	< 0.11	0.02	< 0.005	107.5	11.3	353	282	
2008	10	8	7:30 AM	792										277	
2008	9	16	11:00 AM	793	< 0.02	0.08	< 0.015	0.19	0.022	< 0.005	108.5	12.9	298	260	
2008	8	12	10:15 AM	893	< 0.02	0.06	0.049	< 0.11	0.022	0.006	125.2	14.6	364	287	
2008	7	8	9:45 AM	627	< 0.02	0.15	0.052	< 0.11	0.018	0.005	80.8	16.5	288	246	
2008	6	26	6:30 AM	268.3									25.3	103	DO 6.4 PT; 6.38 PB

IR WBID OK520700030220_00	OCC WBID OK520700-03-0220G	Camp Creek
Sampling Agency: Oklahoma Conservation Commission		County: Creek

Sampling Location: Latitude 35.75586667 Longitude -96.57228333 (CAM-2)

Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2008	6	23	6:30 AM					< 20	20			
2008	6	3	9:30 AM	7.236	24.2	6.92	6.8 R	140	390	<10	167	20.6
2005	5	24	8:00 AM	0.218	22.8	7.75	4.95 R	70	200	12	609	8.96
2005	4	18	8:00 AM	0.517	16.7	7.44	5.97 R	155	230	27	681	6.31
2005	3	14	8:00 AM	43.596	7.3	7.73	11.36 R			< 10	309	7.52
2005	2	7	8:00 AM	11.323	7.5	8.09	10.94 R			28	218	99
2005	1	3	10:30 AM	0.351	10.1	8	8.04 R			< 10	577	5.96
2004	12	6	8:00 AM	1.062	6.8	9.01	11.36 R			< 10	313	32.5
2004	10	25	9:00 AM		17	7.57	4.11 R			< 10	526	2.2
2004	9	20	8:30 AM	0								
2004	8	16	9:15 AM	6.422	19.6	7.54	6.55 R	> 500	>1,000	82	577	110
2004	7	12	8:40 AM	26.473	25.6	7.84	7.08 R	105	490	15	131	11

2004	6	14	8:30 AM	1.1	23.6	7.33	6.83 R	135	325	< 10	164	10.6
2004	5	3	9:15 AM	3.437	13.1	7.06	8.4 R	270	590	18	241	28.5
2004	3	29	10:00 AM	14.234	14.8	7.25	10.2 R			32	151	54.4
2004	2	23	10:15 AM	0.628	9.6	7.85	9.99 R			< 10	584	9.94
2004	1	20	9:00 AM	1.119	1.3	7.19	13.77 R			24	231	48.6
2003	12	15	9:00 AM	0.401	4.6	7.8	11.3 R			< 10	492	8.13
2003	11	3	9:30 AM	0.184	17.9	7.32	4.82 R			< 10	415	2.86
2003	9	29	9:00 AM	0	13.2	7.5	6.82 PB	615	505	15*	248*	18.5
2003	8	25	8:15 AM	0	25.4	7.11	0.65 PT	< 10	340	22*	361*	15.1
2003	7	21	8:30 AM	0	27	7.38	1.15 PT	80	> 1,000	36*	303*	17.8
2003	7	17	8:30 AM	0								
2003	6	9	10:00 AM	2.909	20	7.55	8.12 R					11.7
1997	6	25	2:00 AM	0.64								
1997	5	20	2:30 PM	1.757								

Year	Month	Date	Time (24 H)	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2008	6	23	6:30 AM												Slightly elevated.
2008	6	3	9:30 AM	328.7	< 0.02	0.1	0.12	< 0.11	0.034	0.012	22.8	10.4	131.2	127	
2005	5	24	8:00 AM	1,003	< 0.02	0.07	0.292	0.46	0.03	0.015	196.8	6.4	371.8	262	
2005	4	18	8:00 AM	1,235	< 0.02	0.05	< 0.015	0.13	0.014	0.006	199.6	404.9	419.1	288	
2005	3	14	8:00 AM	636	< 0.02	0.05	< 0.015	0.11	0.045	0.013	95.3	11	239	170	
2005	2	7	8:00 AM	263.9	< 0.02	0.22	< 0.015	0.87	0.118	0.032	22.3	10.3	89.7	91	
2005	1	3	10:30 AM	1,125	< 0.02	0.05	0.062	< 0.11	0.044	0.005	180	11.7	386.2	285	
2004	12	6	8:00 AM	626	< 0.02	0.07		< 0.11	0.07	0.018	97	12.8	191	135	
2004	10	25	9:00 AM	710	< 0.02	< 0.02	< 0.015	< 0.11	0.07	0.018	61.3	6.3	277.6	251	Base flow.
2004	9	20	8:30 AM												Dry.
2004	8	16	9:15 AM		< 0.02	0.21	< 0.015	0.94	0.177	0.079	221.6	5.8	295.9	143	

2004	7	12	8:40 AM	192.8	< 0.02	0.05	0.018	< 0.11	0.058	0.038	8.8	7.4	93	95	
2004	6	14	8:30 AM	325.2	< 0.02	0.17	0.058	< 0.11	0.077	0.013	26.4	6.6	150.4	139	
2004	5	3	9:15 AM	283	< 0.02	0.09	0.055	0.384	0.091	0.006	33.5	9.4	154.1	110	
2004	3	29	10:00 AM	263.8	< 0.02	0.1	0.017	0.643	0.088	0.008	22.1	9.3	115.2	92	
2004	2	23	10:15 AM	1,213	< 0.02	0.17	0.054	0.251	0.065	0.018	184.6	14.4	404.5	271	
2004	1	20	9:00 AM	420	< 0.02	0.15	0.048	0.41	0.096	0.022	43.7	11.3	142.4	113	
2003	12	15	9:00 AM	967	< 0.02	< 0.02	< 0.015	0.243	0.05	0.01	49.2	12.3	358.4	262	
2003	11	3	9:30 AM	745	< 0.02	< 0.02	< 0.015	0.476	0.064	< 0.005	84.7	8.3	272.7	223	
2003	9	29	9:00 AM	505	< 0.02	< 0.02	0.016	0.472	0.101	0.009	36.4	6.7	223.4	187	*Exceeded holding time.
2003	8	25	8:15 AM	662	0.02*	0.02*	0.19	0.877	0.101	0.025	59.6	0.45	254.7	238	*Exceeded holding time.
2003	7	21	8:30 AM	611	0.02*	0.06*	0.233	0.962	0.104	0.01	36.4	6.8	250	244	*Exceeded holding time.
2003	7	17	8:30 AM												
2003	6	9	10:00 AM	178										87	
1997	6	25	2:00 AM												Flow at 12:00 PM was 0.54.
1997	5	20	2:30 PM												Flow at 3:30 PM was 2.098.

IR WBID OK520700060010_00				OCC WBID OK520700-06-0010C				Little Deep Fork					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 35.698 Longitude -96.20994444 (LDF-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Comments
1998	5	20	12:30 PM	20									
1997	8	5	8:45 AM	32.83									
1997	7	10	10:20 AM	1									

1997	6	9	2:00 PM	9.994									
1997	6	6	2:00 PM	9.994									
1997	5	23	1:30 PM	22.955									
1997	4	23	1:30 PM	16.922									

IR WBID OK520700060010_00				OCC WBID OK520700-06-0010D				Little Deep Fork					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 35.6996 Longitude -96.2104 (LDF-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2015	4	13	1:45 PM	5.821	17.2	7.83	7.45 R				30	340	44.2
2015	3	2	10:30 AM	0	1.7	7.9	12.26 PT				< 10	640	5.08
2015	2	9	10:30 AM	0									
2015	1	27	12:45 PM	0	7.1	6.82	12.61 PT				< 10	600	4.51
2014	12	16	9:10 AM	0	6	7.37	10.33 PT				<10	460	17.1
2014	11	18	1:15 PM	0	4.8	5.9	5.5 PT				<10	300	4.27
2014	9	30	1:15 PM	0	22.3	7.59	7.9 PT				81	380	41.9
2014	8	26	10:15 AM	0	29.4	7.08	4.8 PT		10		13	330	14.8
2014	8	12	12:15 PM	0									
2014	7	22	12:00 PM	0.916	31.6	8.69	13.25 R		30		<10	560	5.42
2014	6	30	12:00 PM						10				8.35
2014	6	17	1:00 PM	2.658	30	8.45	13.68 R		270		<10	250	14.2
2014	5	13	12:30 PM	1.243	19.3	8.2	9.81 PT		140		<10	560	4.97
2014	4	8	2:15 PM	4.539	18.3	8.78	11.53 R				<10	420	4.42
2014	3	4	2:00 PM	0	2.6	7.88	14.09 PT				<10	520	4.18
2014	1	27	1:00 PM	0	2.5	8.6	12.02 PT				<10	480	3.27
2014	1	21	1:00 PM	0									
2013	12	17	1:45 PM	0	5.5	7.22	13.86 PT				<10	540	8.78

2013	11	13	1:45 PM	0	8.9	7.48	11.83 PT						<10	250	45.5
2013	10	8	1:15 PM	0	18.5	8.09	11.44 PT						<10	510	4.19
2013	9	4	11:30 AM	1.337	30	8.09	8.35 R			130			<10	361	6.55
2013	7	30	11:30 AM	1.505	32.3	8.26	8.85 R			560			<10	480	17.1
2013	7	5	4:30 PM	0											
2013	7	1	2:15 PM							15*					12.7
2013	6	27	6:30 AM	2.069	27.1	7.88	5.95 R								17.7
2013	6	25	8:15 AM		27.2	8.03	7.33 R			370			<10	332	15.1
2013	5	21	11:00 AM	19.902	20.7	7.51	5.04 R						12	375	30.5

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2015	4	13	1:45 PM	643	< 0.02	0.04		1.12	0.143	0.172	144	8.5	251	135	
2015	3	2	10:30 AM	1,212	< 0.02	0.95		0.87	0.055	0.008	308	17.6	344	125	
2015	2	9	10:30 AM												
2015	1	27	12:45 PM	1,248	< 0.02	0.95		0.94	0.04	0.009	281	16.7	298	143	
2014	12	16	9:10 AM	851	<0.02	<0.02		0.67	0.053	0.019	191	15.8	206	146	
2014	11	18	1:15 PM	614	<0.02	<0.02		0.78	0.06	0.031	83.3	13.3	209	134	
2014	9	30	1:15 PM	738	<0.02	<0.02		3.1	0.338	0.074	165	2.4	169	185	
2014	8	26	10:15 AM	670	<0.02	<0.02	<0.015	2.24	0.269	0.061	141.7	2	126	126	
2014	8	12	12:15 PM												
2014	7	22	12:00 PM	1,079	<0.02	<0.02	<0.015	0.91	0.049	0.013	268.4	7.7	207	119	
2014	6	30	12:00 PM												
2014	6	17	1:00 PM	477	0.18	0.23	0.074	0.98	0.08	0.048	80.4	11	132	100	
2014	5	13	12:30 PM	1,035	0.24	<0.02		0.69	0.042	0.016	249.1	5.7	251	153	
2014	4	8	2:15 PM	750	0.31	<0.02		0.58	0.036	0.007	195.9	13	226	125	
2014	3	4	2:00 PM	942	<0.02	<0.02		0.57	0.045	0.016	190.2	16.8	325	156	
2014	1	27	1:00 PM	946	<0.02	<0.02		0.45	0.027	0.005	214.2	17.8	265	137	

2014	1	21	1:00 PM												
2013	12	17	1:45 PM	936	<0.02	0.42		0.48	0.045	0.019	212.1	15.7	301	144	
2013	11	13	1:45 PM	394	<0.02	<0.02		0.78	0.114	0.064	63.9	10	148	92	
2013	10	8	1:15 PM	900	<0.02	<0.02		0.65	0.03	<0.005	207.1	14.2	208	136	
2013	9	4	11:30 AM	510	<0.02	<0.02	<0.015	0.74	0.037	0.006	133.5	13.5	156	109	
2013	7	30	11:30 AM	576	<0.02	<0.02	<0.015	0.98	0.061	0.006	213.8	10.7	211	122	
2013	7	5	4:30 PM												
2013	7	1	2:15 PM												*Exceeded holding time. Base flow.
2013	6	27	6:30 AM	530									154	163	
2013	6	25	8:15 AM		<0.02	<0.02	<0.015	0.89	0.062	0.011	115	11.9	174	99	Base flow.
2013	5	21	11:00 AM	398	<0.02	0.07		0.81	0.073	0.031	137.4	13.9	175	135	

IR WBID OK520700060010_00				OCC WBID OK520700-06-0010F				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.76611111 Longitude -96.268 (LDF-3)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1998	3	3	10:47 AM	0.61							
1997	7	10	10:00 AM	31							Flow at 9:00 AM was 1
1997	5	22	1:30 PM	16.371							Flow at 3:00 PM was 40.919

IR WBID OK520700060050_00		OCC WBID OK520700-06-0050G		Browns Creek	
Sampling Agency: Oklahoma Conservation Commission				County: Creek	
Sampling Location: Latitude 35.74058333 Longitude -96.221 (BRO-1)					
Year	Month	Date	Time (24 H)	Flow	Notes
1997	11	6	2:00 PM	0.24 cfs	
1997	7	16	3:30 AM	0.44 cfs	Flow at 10:00 AM was 1
1997	6	16	8:00 AM	1.089 cfs	Flow at 8:30 AM was 0.433

IR WBID OK520700060050_00		OCC WBID OK520700-06-0050K		Browns Creek	
Sampling Agency: Oklahoma Conservation Commission				County: Creek	
Sampling Location: Latitude 35.75513889 Longitude -96.21 (BRO-2)					
Year	Month	Date	Time (24 H)	Flow	Notes
1997	7	17	8:30 AM	0.05 cfs	
1997	7	16	7:30 AM	1 cfs	
1997	6	11	8:00 AM	0.07 cfs	
1997	5	20	7:10 AM	0.259 cfs	

IR WBID OK520700060050_00		OCC WBID OK520700-06-0050L		Browns Creek	
Sampling Agency: Oklahoma Conservation Commission				County: Creek	
Sampling Location: Latitude 35.77692 Longitude -96.1923 (BRO-3)					
Year	Month	Date	Time (24 H)	Flow	Notes
1999	7	17	4:20 PM	4.212 cfs	
1999	2	18	9:00 AM	3 cfs	

1998	12	17	8:15 AM	4.737 cfs	
1998	3	3	11:15 AM	1.104 cfs	
1997	12	17	12:00 PM	1.101 cfs	
1997	9	4	9:45 AM	0 cfs	
1997	7	17	10:20 AM	1 cfs	
1997	7	11	3:00 AM	0.06 cfs	
1997	6	16	8:30 AM	0.264 cfs	
1997	6	9	1:00 AM	0.003 cfs	Flow was 0.003 at 8:00 AM.

IR WBID OK520700060060_00					OCC WBID OK520700-06-0060G					Turkey Creek	
Sampling Agency: Oklahoma Conservation Commission										County: Creek	
Sampling Location: Latitude 35.75877778 Longitude -96.255 (TUR-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1998	3	3	8:30 AM	0.12							
1997	7	15	9:30 AM	1							Flow at 9:35:00 was 1
1997	7	11	11:30 AM	0.57							
1997	7	10	5:00 PM	0.1							
1997	6	5	11:30 AM	0.036							
1997	6	2	12:30 PM	0.22							

IR WBID OK520700060080_00				OCC WBID OK520700-06-0080G				Skull Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.81316667 Longitude -96.293 (SKU-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	7	11	10:15 AM	1							
1997	7	10	1:00 AM	0.12							
1997	6	3	1:01 AM	0.228							Flow at 3:30 PM was 0.107.

IR WBID OK520700060100_00				OCC WBID OK520700-06-0100H				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.796068 Longitude -96.353 (LDF-4)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1999	3	25	9:45 AM	150.674							
1999	2	17	8:45 AM	35.396							
1999	1	20	9:35 AM	29.717							
1998	12	16	2:30 PM	42.624							
1998	11	29	10:45 AM	30.156							
1998	10	27	9:00 AM	24.706							
1998	9	15	2:15 PM	4.058							
1998	8	18	9:15 AM	2.345							
1998	7	8	1:45 PM	8.045							
1998	6	23	10:15 AM	8.2							

1998	5	19	8:45 AM	53.705							
1998	4	9	9:20 AM	87.648							
1998	3	4	8:45 AM	32.139							
1998	2	18	9:00 AM	59.234							
1998	1	29	2:45 AM	109.4							
1997	12	18	2:15 AM	38.426							
1997	11	17	8:40 AM	23.794							
1997	10	23	12:15 PM	17.66							
1997	9	4	11:00 AM	10.304							

IR WBID OK520700060110_00					OCC WBID OK520700-06-0110G				Sand Creek		
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.82808333 Longitude -96.375 (SAA-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1999	3	25	3:30 PM	6.018							
1998	12	16	3:45 PM	1.898							
1998	9	15	11:30 AM	0.167							
1998	6	23	9:30 AM	0.371							
1998	3	3	12:15 PM	1.608							
1997	12	17	1:50 PM	1.501							
1997	9	4	12:00 PM	0.188							
1997	8	5	2:30 PM	0.1							
1997	6	5	9:30 AM	0.401							
1997	6	2	3:00 PM	0.548							
1997	5	29	4:00 PM	0.484							

IR WBID OK520700060120_00				OCC WBID OK520700-06-0120G				Rock Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.81938889 Longitude -96.35127778 (ROC-2)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	11	5	3:50 PM	0.75							
1997	7	8	12:50 PM	1							
1997	6	27	12:15 PM	0.21							
1997	6	10	8:00 AM	0.458							Flow at 10:00:00 was 0.458 and flow at 12:00 PM was 0.458
1997	6	9	8:00 AM	0.458							Flow at 10:00:00 was 0.458 and flow at 12:00 pm was 0.458
1997	6	3	10:30 AM	0.804							
1997	6	2	8:00 AM	0.458							Flow at 10:00 AM was 0.458 and flow at 12:00 PM was 0.458

IR WBID OK520700060130_00				OCC WBID OK520700-06-0130F				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission, Blue Thumb								County: Creek			
Sampling Location: Latitude 35.80311111 Longitude -96.38661111 (LDF-5)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2011	7	29	2:00 PM	0.7806	35						
2011	3	11	9:30 AM	4	6						
2010	8	27	8:10 AM	2.24	22						

2010	1	6	11:00 AM	15.2	0						
2009	8	25	9:30 AM	0	25						
2009	2	3	9:30 AM	12.02							
2008	8	4	12:15 PM	5.849	2.6						
2005	2	1	11:20 AM	18.018							
2004	6	17	2:45 PM	24.1							
2004	1	12	12:45 PM	6.112							
2003	7	30	11:45 AM	1.271							
2002	9	5	9:30 AM	1.044							
2002	7	15	9:30 AM	3.827							

IR WBID OK520700060130_10				OCC WBID OK520700-06-0010T				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission							County: Creek				
Sampling Location: Latitude 35.8279 Longitude -96.5341 (LDF-6)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	11	5	10:00 AM	1.01							
1997	8	5	11:30 AM	24.467							
1997	6	23	2:45 AM	1.44							At 6:23 AM flow was 1.44
1997	6	20	1:30 PM	0.758							
1997	6	19	12:25 PM	0.606							
1997	6	16	5:25 PM	5.758							
1997	6	5	12:00 PM	8.84							At 11:30 AM flow was 3.307
1997	5	28	3:30 PM	0.21							At 10:30 AM flow was 9.551
1997	5	23	12:30 PM	4.661							
1997	5	22	3:00 PM	10.818							At 12:40 PM flow was 6.141
1997	5	21	3:05 PM	3.131							At 12:06 PM flow was 1.767

IR WBID OK520700060130_10				OCC WBID OK520700-06-0010X				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.853431 Longitude -96.597 (LDF-7)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	6	24	9:52 AM	1.99							Flow at 11:45 AM was 1.99
1997	6	19	12:25 PM	0.611							
1997	5	21	12:06 PM	17.3							

IR WBID OK520700060130_10				OCC WBID OK520700-06-0130S				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.8118889 Longitude -96.512 (LDF-8)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	11	5	11:30 AM	3.15							
1997	6	24	3:30 AM	1.81							Flow at 10:00 AM was 1.7

IR WBID OK520700060130_10				OCC WBID OK520700-06-0130T				Little Deep Fork					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 35.8279 Longitude -96.5341 (LDF-6)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	Turb. NTU	Comments
2001	3	26	3:45 PM	20.974	11.1	7.93	11.03 R	400	335	400	30	22.1	

2001	2	21	8:00 AM	29.71	6.6	7.66	11.13 R	100	121	200	10	45.6	
2001	1	16	4:30 PM	27.834	3.8	7.47	12.39 R	40	85	300	10	25.5	
2000	12	4	4:00 PM	10.018	6.5	7.57	12.15 R	600	637	550	38	32.9	
2000	10	30	7:30 AM		19.5	7.63	7.44 R	300	364	6,000	16	60.8	
2000	9	25	3:45 PM	0.037	16.3	7.86	7.29 RI	300	697	3,000		6.83	
2000	8	21	1:15 PM	0.779	27	8.28	7.04 R	560	>24,192		18	12.2	DO was 7.09 in a riffle
2000	7	17	3:00 PM	5.118	27.2	8.01	6.49 R				6	13.2	DO was 6.66 in a riffle
2000	6	13	7:45 AM	3.45	23.4	7.46	7.14 R	8,500			14.1	13.1	DO was 7.27 in a riffle
2000	5	9	1:30 PM	28.263	20.4		11.2 R	5,200			76	124	
2000	3	28	12:20 PM	12.592	18		9.38 R	200			18	23.2	DO was 9.56 in a riffle
2000	2	23	2:00 PM	12.214	15.8		9.3 R	4,200			124	150	
2000	1	19	1:30 PM	1.141	7.7		10.41 R	200			12	13.2	DO was 10.45 in a riffle
1999	12	14	2:00 PM	13.817				600					
1999	11	9	11:45 AM	0.261				500					
1999	10	4	1:45 PM	0.277				300					
1999	8	24	1:05 PM	0				200					
1999	7	20	7:00 AM	2.964				300					
1999	6	21	3:30 PM	15.357				1,500					
1999	5	24	3:15 PM	28.585				400					
1999	4	26	4:30 PM					2,000					High flow.
1999	2	19	1:00 PM	7									Flow at 1:00 PM is also listed as 4

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	26	3:45 PM	419			0.11	<0.05	0.62	0.036	0.02	50	34.5	148	121	
2001	2	21	8:00 AM	289.4			0.22	0.05	0.46	0.061	0.028	28.4	20.2	125	110	

2001	1	16	4:30 PM	244.4			0.26	0.05	0.54	0.046	0.013	59.6	23.8	123	92	
2000	12	4	4:00 PM	263.6			0.13	<0.05	0.44	0.057	0.022	56.1	17	141	89	
2000	10	30	7:30 AM	150.3			0.08	<0.05	0.6	0.088	0.048	13.9	21.2	54.2	39	
2000	9	25	3:45 PM	462			<0.05	<0.05	0.33	0.061	0.036	13.2	5.4	200		
2000	8	21	1:15 PM	466			0.26	<0.05	0.52	0.104	0.038	12.6	<5	243	84	DO was 7.09 in a riffle
2000	7	17	3:00 PM	367			0.42	0.05	0.37	0.113	0.017	<5	7.6	134	175	DO was 6.66 in a riffle
2000	6	13	7:45 AM	559	0.008	0.2		0.088	0.42	0.067	0.008	81	2.45	158	94	DO was 7.27 in a riffle
2000	5	9	1:30 PM	480	0.016	0.221		0.05	1.32	0.1778	0.009	80	<1	144	96	
2000	3	28	12:20 PM	588	<0.003	<0.01		<0.032	0.48	0.049	<0.001	115	16.6	184	128	DO was 9.56 in a riffle
2000	2	23	2:00 PM	462	0.008	0.182		<0.023	0.87	0.201	0.03	58	5.8	152	119	
2000	1	19	1:30 PM	568	<0.022	0.533		<0.01	0.29	0.027	0.011	79.5	15.1	200	135	DO was 10.45 in a riffle
1999	12	14	2:00 PM													
1999	11	9	11:45 AM													
1999	10	4	1:45 PM													
1999	8	24	1:05 PM													
1999	7	20	7:00 AM													
1999	6	21	3:30 PM													
1999	5	24	3:15 PM													
1999	4	26	4:30 PM													High flow.
1999	2	19	1:00 PM													Flow at 1:00 PM is also listed as 4

IR WBID OK520700060130_10				OCC WBID OK520700-06-0130U				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.83169444 Longitude -96.548 (LDF-9)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	6	24	3:00 AM	1.79							Flow at 2:00 AM was 0.96

1997	5	28	10:30 AM	2.205							
1997	5	22	3:30 PM	2.839							
1997	5	21	3:30 PM	2.853							

IR WBID OK520700060130_10				OCC WBID OK520700-06-0130V				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.83677778 Longitude -96.565 (LDF-10)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	6	24	1:30 AM	2							Flow at 12:06 PM was 0.8
1998	5	28	1:30 PM	0.102							

IR WBID OK520700060130_10				OCC WBID OK520700-06-0010P				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission and Blue Thumb (BT)								County: Creek			
Sampling Location: Latitude 35.81188889 Longitude -96.512 (LDF-8)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2005	2	1	9:00 AM	8.427							
2004	7	27	12:30 PM	33.666							
2004	1	27	1:30 PM	20.566							
2003	8	15	11:30 AM	2.591							
2003	7	30	9:15 AM	0							
2003	2	3	9:30 AM	2.46							
2002	7	13	8:15 AM	2.76							
1999	3	25	1:30 PM	52.305							
1999	2	17	12:45 PM	9.09							

1999	1	20	2:15 PM	5.55							
1998	12	16	10:15 AM	9.622							
1998	11	29	12:15 PM	6.095							
1998	10	27	12:00 PM	13.387							
1998	7	8	12:30 PM	3.763							
1998	6	23	2:45 PM	2.091							
1998	5	19	1:00 PM	15.343							
1998	4	9	2:00 PM	18.999							
1998	3	4	1:30 PM	10.666							
1998	2	18	12:30 PM	16.778							
1998	1	29	11:00 AM	37.182							
1997	12	18	10:45 AM	8.7							
1997	10	23	8:15 AM	5.023							
1997	9	4	2:15 PM	3.592							

IR WBID OK520700060130_10					OCC WBID OK520700-06-0130M				Little Deep Fork		
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.81311111 Longitude -96.458 (LDF-11)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1999	3	25	2:15 PM	56.822							
1999	2	17	2:45 PM	13.353							
1999	1	20	1:15 PM	7.951							
1998	12	16	11:00 AM	12.264							
1998	11	29	1:15 PM	7.728							
1998	10	27	11:15 AM	19.143							
1998	9	16	10:00 AM	0.074							
1998	8	18	11:45 AM	0.075							

1998	7	8	12:10 PM	4.912							
1998	6	23	2:15 PM	2.827							
1998	5	19	12:10 PM	17.108							
1998	4	9	1:00 PM	24.62							
1998	3	4	12:00 PM	12.029							
1998	2	18	11:00 AM	24.09							
1998	2	17	10:00 AM	0.66							
1998	1	29	12:30 PM	38.631							
1997	12	18	11:30 AM	11.038							
1997	11	17	12:55 PM	5.774							Flow at 12:00 PM was 6.856
1997	10	23	9:15 AM	7.321							
1997	9	4	3:00 PM	4.398							
1997	7	15	12:15 PM	1							
1997	7	9	1:00 AM	4.3							
1997	5	27	3:00 om	5.781							

IR WBID OK520700060130_10				OCC WBID OK520700-06-0130J				Little Deep Fork			
Sampling Agency: Oklahoma Conservation Commission							County: Creek				
Sampling Location: Latitude 35.8138 Longitude -96.408 (LDF-12)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1999	3	25	11:00 AM	111.38							
1999	2	17	10:00 AM	26.325							
1999	1	20	10:45 AM	17.336							
1998	12	16	1:00 PM	28.266							
1998	11	29	2:00 PM	12.246							
1998	10	27	9:45 AM	24.431							
1998	9	15	1:15 PM	0.365							

1998	8	18	9:45 AM	0.051							
1998	7	8	10:00 AM	4.322							
1998	6	23	12:15 PM	5.719							
1998	5	19	10:00 AM	33.987							
1998	4	9	10:30 AM	41.049							
1998	3	4	9:45 AM	21.928							
1998	2	18	10:15 AM	40.922							
1998	1	29	1:30 PM	79.637							
1997	12	18	12:15 PM	29.237							
1997	11	17	11:00 AM	22.865							
1997	10	23	11:15 AM	14.361							
1997	9	4	3:45 PM	8.528							

IR WBID OK520700060140_00				OCC WBID OK520700-06-0140G				Catfish Creek			
Sampling Agency: Oklahoma Conservation Commission							County: Creek				
Sampling Location: Latitude 35.82819444 Longitude -96.419 (CAF-1)											
Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1999	3	25	12:45 PM	13.66							
1999	2	17	11:00 AM	4.383							
1999	1	30	2:00 PM	333							
1999	1	20	12:15 PM	2.605							
1998	12	16	12:00 PM	5.007							
1998	11	29	12:45 PM	4.802							
1998	10	27	10:40 AM	1.944							
1998	9	16	9:15 AM	0.119							
1998	8	18	10:30 AM	0.086							

1998	7	8	10:45 AM	1.755							
1998	6	23	1:30 PM	0.785							
1998	5	19	11:15 AM	8.396							
1998	4	9	12:30 PM	9.109							
1998	3	4	10:45 AM	4.081							
1998	2	18	1:40 PM	7.054							
1998	1	29	10:00 AM	10.968							
1997	12	18	9:15 AM	2.831							
1997	11	17	10:15 AM	3.219							
1997	10	23	10:15 AM	1.283							
1997	9	4	1:15 PM	0.696							
1997	6	27	10:00 AM	0.47							
1997	6	26	3:00 AM	0.45							
1997	5	27	8:00 AM	1.867							

IR WBID OK520700060140_00					OCC WBID OK520700-06-0140C					Catfish Creek	
Sampling Agency: Oklahoma Conservation Commission (Some data from Blue Thumb)										County: Creek	
Sampling Location: Latitude 35.82016667 Longitude -96.412 (CAF-2)											
Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2005	2	1	10:00 AM	4.096							Hwy 66
2004	6	17	8:00 AM	2.565							
2004	1	12	2:30 PM	0.867							
2003	2	3	1:30 PM	1.12							
2002	7	15	8:00 AM	0.26							
1997	6	27	11:00 AM	0.67							
1997	6	26	2:00 AM	1.76							
1997	5	29	1:30 PM	1.874							

1997	5	23	9:30 AM	1.969							
1997	5	21	1:00 AM	2.073							

IR WBID OK520700060190_00				OCC WBID OK520700-06-0190C				Spring Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.84236111 Longitude -96.536 (SPG-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	7	17	8:00 AM	1.33							
1997	7	16	9:00 AM	3.5							
1997	6	19	3:15 PM	0.348							
1997	6	10	12:30 PM	0.735							

IR WBID OK520700060200_00				OCC WBID OK520700-06-0200B				East Spring Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 36.85686111 Longitude -96.534 (ESC-1) (Lat/long coordinates don't align with creek)											
Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	11	5	8:30 AM	1							
1997	6	23	12:30 PM	1.52							
1997	6	23	12:16 PM	0.33							
1997	6	5	1:00 AM	26.518							
1997	5	22	1:00 AM	1.936							

INCOG assigned a sampling location to put a marker on East Spring Creek, but the actual sampling site is unknown.

IR WBID OK520700060210_00				OCC WBID OK520700-06-0210B				West Spring Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.85511111 Longitude -96.537 (WSC-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
1997	7	8	10:00 AM	1.2							
1997	6	19	3:30 AM	0.11							
1997	6	5	3:45 PM	0.555							
1997	5	22	4:30 PM	0.767							

IR WBID OK620900010180_00				OCC WBID OK620900-01-0180J				Lagoon Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 36.12597222 Longitude -96.5745833 (LAG-1)													
Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	4	30	11:00 AM		20.6	8.41	10.08 R				< 10	480	6.57
2018	3	26	11:00 AM	0.778	14.7	7.95	6.99 R				< 10	270	14.6
2018	2	19	11:00 AM	0.5**	13.1	8.19	10.16 R				< 10	310	5.44
2018	1	23	11:00 AM	0.143	3.7	7.85	10.26 R				< 10	240	6.74
2017	12	12	11:30 AM	0.2	5.6	7.86	10.3 R				< 10	260	5.5
2017	11	7	12:15 PM	0.397	10.8	7.83	8.35 R				< 10	190	17.5
2017	10	3	11:15 AM	0	22.1	7.78	4.2 PT				< 10	610	5.32
2017	8	29	11:30 AM	0.081	27.5	8.56	9.3 R		< 1		< 10	220	22.4
2017	7	31	9:00 AM	0					20				8.7

2017	7	25	9:45 AM	0	26.5	7.59	4.13 PT		20		< 10	580	9.61
2017	6	20	7:30 AM	0.191	23.4	8.25	4.51 R						8.41
2017	6	20	11:15 PM	0.191	30.5	7.94	8.08 R		240		29*	360*	29
2017	5	16	11:15 PM	0					90				27.8
2017	3	15	11:15 AM	0.1									
2014	4	28	11:15 AM	0	21	7.82	7.47 PT				< 10	1,000	9.45
2014	3	25	12:30 PM	0	11.1	8.03	10.6 PT				< 10	890	3.23
2014	3	7	12:15 PM	0									
2014	2	18	12:30 PM	0	9.5	7.59	12.65 PT				< 10	740	3.23
2014	1	13	12:15 PM	0	9.1	7.71	16.7 PT				< 10	930	0.83
2013	12	2	12:30 PM	0	10.2	7.86	10.61 PT				< 10	390	3.73
2013	10	21	12:00 PM	0	12.9	7.98	10.25 {T				< 10	280	9.72
2013	9	16	12:30 PM	0	25.1	8.23	7.56 PT		20		29	190	35.3
2013	8	12	12:15 PM	0	27.8	7.42	8.32 PT		300		19	178	44.5
2013	7	9	11:00 AM	0	31.4	8.04	8.4 PT		65		< 10	360	16.4
2013	7	2	6:45 AM						140				8.55
2013	6	3	12:30 PM	0	24.6		5.88 PT		120		17	180	59.2
2013	4	29	1:00 PM	< 0.25	29.8	9.15	17.6 R				< 10	300	24.5
2013	3	25	1:00 PM	0	10.1	7.15	11.7 PT				< 10	728	4.61
2013	3	19	1:15 PM	0									
2013	2	19	1:00 PM	0	9.9	7.68	11.54 PT				< 10	771	7.93
2013	1	23	1:15 PM	0	6.9	7.54	14.3 PT				< 10	1,216	0.81
2012	12	10	9:15 AM	0	7.8	7.26	7.01 PT				< 10	456	13.4
2012	10	30	8:15 AM	0	8.6	6.83	7.15 PT				< 10	285	6.92
3012	9	24	8:00 AM	0	20.4	7.5	6.65 PT		< 5*		14	406	24.4
2012	8	21	8:00 AM	0	22	7.65	5.73 PT		< 5		19	361	28.3
2012	8	14	7:30 AM	0					< 5				
2012	7	24	7:15 AM	0	28.6	7.5	4.34 PT		< 5		33	354	31.8
2012	7	5	7:30 AM	0									

2012	6	12	7:15 AM	0	21.3	7.64	5.78 PT		110		< 10	643	9.87
2012	5	14	7:30 AM	0.148	18.3	7.49	12.76 R						12.4
2009	4	14	12:30 PM	43.15	12.2	7.93	10.4 R				14	187	71.5
2009	3	2	12:30 PM	0.273	8.9	8.45	13.77 R				< 10	451	3.44
2009	2	2	12:30 PM	0.784	4.9	7.98	12.24 R					348	5.18
2008	12	15	9:00 AM	0	2.8	7.4	9.12 PT				< 10	301	12
2008	11	3	12:15 PM	0.035	20.8	7.81	9.28 R				< 10	338	1.62
2008	9	30	7:30 AM	0.16	16.3	7.26	5.4 R		70	70	< 10	331	4.6
2008	8	26	12:00 PM	0.399	28.1	8.07	9.1 R		10	20	< 10	288	9.87
2008	7	22	10:15 AM	1.117	29.6	7.66	6.14 R		< 10	60	< 10	246	9.84
2008	6	24	11:00 AM	0					< 20	160			
2008	6	17	11:15 AM		20.9	7.2	7.42 R		3,100	> 10,000	69	140	133
2008	5	12	1:00 PM		20.6	7.7	8.22 R		60	60	17	247	18
2008	4	7	12:45 PM	10.899	17	8.08	8.87 R		40	10	< 10	426	6.44
2008	3	3	12:30 PM		8.3	7.32	10.42 R				621	230	761
2008	1	22	12:45 PM	2.107	3.6	7.68	12.04 R				< 10	417	11
2007	12	17	8:36 AM	13.284	2.2	7.77	13.13 R				< 10	207	40.6
2007	11	13	8:15 AM	0	15.2		7.37 PT				< 10	417	8.48
2007	10	15	8:30 AM	1.27	18.8		6.31 R				15	281	21.1
2007	9	10	8:30 AM	24.912	24.4	7.54	5.75 R		580	720	46	167	120
2007	8	7	10:00 AM		28.8	7.46	4.06 PT		< 10	20	43	438	34.9
2007	7	3	10:00 AM	0					800	980			
2007	6	25	8:20 AM	24.394	25.1	7.72	5.92 R		200	220	13	185	24.6
2007	5	29	8:15 AM	49.102	21	6.62	6.78 R		640	380	37	171	99
2007	5	21	12:00 PM	2.141	23.5	7.83	6.81 R						7.32
2004	6	8	8:30 AM	3.944	23.6	7.52	6.5 R		95	85	22	282	57.1
2004	4	20	8:00 AM	2.9	19.2	7.55	7.32 R		25	110	< 10	408	8.53
2004	3	16	8:00 AM	5.518	10.4	7.85	10.42 R				19	348	15.6
2004	2	10	8:45 AM	48.27	2	8.04	14.93 R				20	316	46

2004	1	6	3:00 PM	0.722	3.7	8.06	12.17 R				< 10	402	9.42
2003	12	2	8:30 AM	0.057	6	7.74	10.59 R				< 10	273	6.12
2003	10	21	8:15 AM	0.606	15.6	7.24	7.2 R		40	110	13	209	22.4
2003	9	15	12:15 PM	12.539	19.4	7.47	7.14 R		605	670	74	150	205
2003	8	12	8:15 AM	0	23.6	7.42	4.27 PT		80	40	26*	595*	34.2
2003	7	15	9:00 AM	0									
2003	7	8	7:30 AM	0.016	26	7.57	3.97 R		1,070	1,810	31*	261*	30.1
2003	6	3	7:30 AM	0.48	22.2	7.23	4.83 R		980	830	17	220	24
2003	4	29	9:00 AM	0.787	19.5	7.93	6.19 RI		40	160	< 10*	434*	5.2
2003	3	25	8:30 AM	5.754		7.36	7.6 R				16*	262*	45.3
2003	2	19	1:00 PM	0.542	8.7	8.15	12 R				< 10*	427	10.1
2003	1	14	8:00 AM	0.197	3.7	7.04	10.71 R				10	420	26.8
2002	12	3	7:40 AM		5.8	7.32	11.07 PT				< 10*	797*	3.49
2002	11	5	8:10 AM	0.06	8.6	7.47	8.93 R				< 10	355	12.2
2002	10	1	9:00 AM	0.007	21.3	7.49	5.58 PT		< 20	< 20	< 10*	167*	16.1
2002	8	27	8:15 AM	9.248	25.2	7.96	5.27 R		1,267	380	61	172	182
2002	7	23	8:00 AM	0	25.8		4.44 PT		> 800	1,590	< 10	369	9.72
2002	6	11	8:15 AM	2.614	26.5	6.96	5.52 RI						19.5
2001	3	27	8:30 AM	2.166	9.1	8.07	9.3 R	40	41	10	36		17.9
2001	2	20	9:15 AM	0.831	5.6	7.66	11.07 R				26		45
2001	1	16	9:00 AM	1.288	2.2	7.05	12.29 R				6		10.4
2000	12	4	8:15 AM	0.142	1.9	8.07	12.13R	< 10	< 10	500	5		4.33
2000	10	30	9:15 AM	0.116	19	7.8	5.04 R				< 1		5.23
2000	9	25	8:40 AM	0	14.1	8	6.25 PT				6		3.22
2000	8	21	10:00 AM	0	24.6	8.14	5.35 PT				8		9.45
2000	7	17	8:00 AM	0.451	28.4	8.09	5.43 R				2		8.85
2000	7	11	8:00 AM	0.45									
2000	6	12	9:45 AM	17.242	24.5	7.97	6.08 R	3,000			85.7		91.8
2000	5	8	8:15 AM	19.689	21.8	7.49	7.57 R	200			18		27.8

2000	3	28	8:50 AM	10.039	16.1		8.44 R	100			35		48.4
2000	2	23	9:00 AM	68.025	11.8		11.06 R	100			117		57.2
2000	1	19	9:00 AM	1.566	6.8		10.98 R	< 100			7.5		11.4
1999	12	14	9:00 AM	11.641				600					
1999	11	9	8:30 AM	1.887				200					
1999	10	4	9:00 AM	0.76				< 100					
1999	8	24	9:05 AM	0				< 100					
1999	7	19	9:30 AM	1.938				< 100					
1999	6	21	9:15 AM	75.695				400					
1999	5	24	8:40 AM					400					
1999	4	26	9:45 AM	25				2,000					
1999	2	19	9:00 AM	7									
1998	2	18	11:00 AM	1.09									

Year	Month	Date	Time (24 H)	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2018	4	30	11:00 AM	818	< 0.04	< 0.02			0.44*	0.023	< 0.005	110	30.8	262	183	*Exceeded holding time. Dense stand of filamentous
2018	3	26	11:00 AM	461.4	< 0.02	< 0.02			0.69*	0.045	0.009	38	23.6	234	187	*Exceeded holding time.
2018	2	19	11:00 AM	499.6	< 0.02	< 0.02				0.021*	0.006*	32.7	33.4	225	186	*Exceeded holding time. **Unable to measure, obstructions, split channel, shallow.
2018	1	23	11:00 AM	344.4	< 0.02	< 0.02			0.5	0.023	0.009	24.8	25.7	288	156	
2017	12	12	11:30 AM	400.7	< 0.02	< 0.02			0.57	0.031	0.015	19.6	20.5	217	149	
2017	11	7	12:15 PM	271.2	< 0.02	< 0.02			0.84	0.071	0.031	13.7	13.2	155	104	

2017	10	3	11:15 AM	1,008	< 0.04*	0.12			0.67	0.048	0.006	158	38.6	361	241	*NO ₂ ⁻ reporting limit adjusted due to high chloride content.
2017	8	29	11:30 AM	362	< 0.02	< 0.02		0.017	0.51	0.043	0.007	44.7	10	150	118	
2017	7	31	9:00 AM													
2017	7	25	9:45 AM	1,148	< 0.1*	< 0.02		< 0.015	0.82	0.046	0.006	192	37.6	419	245	*NO ₂ ⁻ reporting limit adjusted due to high chloride content.
2017	6	20	7:30 AM	590										247	194	
2017	6	20	11:15 PM	539	< 0.02	< 0.02		0.023	0.85	0.057	0.015	55.9	18.9	253	216	*Exceeded holding time.
2017	5	16	11:15 PM													
2017	3	15	11:15 AM	1,042												
2014	4	28	11:15 AM	1,734	< 0.02	< 0.02			0.62	0.026	< 0.005	452.2	55.4	507	184	
2014	3	25	12:30 PM	1,574	< 0.02	< 0.02			0.52	0.027	< 0.005	415	60.1	417	187	Noticed salt crusted rocks under bridge; not normal for site. Likely explains elevated cond. Remnants of white substance appears to have been the site of something dumped before last rain (brine truck, honey wagon).
2014	3	7	12:15 PM													
2014	2	18	12:30 PM	1,356	0.32	< 0.02			0.3	0.021	< 0.005	298.4	50.5	468	187	
2014	1	13	12:15 PM	2,414	0.05	< 0.02			0.23	0.015	< 0.005	382.1	69.5	608	238	
2013	12	2	12:30 PM	684	< 0.02	< 0.02			0.48	0.033	0.01	113.1	30	269	160	
2013	10	21	12:00 PM	467.2	< 0.02	< 0.02			0.62	0.035	0.007	62.6	22	206	120	
2013	9	16	12:30 PM	347.1	< 0.02	< 0.02		< 0.015	0.86	0.085	0.006	26.5	11.5	136	134	
2013	8	12	12:15 PM	259.7	< 0.02	0.28		< 0.015	1.02	0.098	0.014	16	7.9	108	91	
2013	7	9	11:00 AM	326.9	< 0.02	< 0.02		< 0.015	0.84	0.058	0.008	64.2	19.2	195	163	
2013	7	2	6:45 AM													
2013	6	3	12:30 PM	258.3	< 0.02	0.28		0.078	1.32	0.129	0.056	21.6	13.5	92	78	
2013	4	29	1:00 PM	493	< 0.02	< 0.02			1.01	0.058	0.015	82.4	27.6	175	114	
2013	3	25	1:00 PM	1,283	< 0.02	< 0.02			0.43	0.021	< 0.005	249.8	77.8	397	162	

2013	3	19	1:15 PM													
2013	2	19	1:00 PM	1,447	< 0.02	< 0.02			0.45	0.027	< 0.005	292.9	82.8	452	188	
2013	1	23	1:15 PM	2,382	< 0.02	< 0.02			0.18	0.011	< 0.005	527.2	153.4	757	257	
2012	12	10	9:15 AM	864	< 0.02	< 0.02			0.05	0.047	0.016	140.2	60.3	322	160	
2012	10	30	8:15 AM	508	< 0.02	< 0.02			0.81	0.037	< 0.005	68.1	32.7	196	112	
3012	9	24	8:00 AM	748	< 0.02	< 0.02			1.13	0.047	< 0.005	111.2	70.6	242	152	*Exceeded holding time.
2012	8	21	8:00 AM	674	< 0.02	< 0.02		< 0.015	1.37	0.077	0.006	119.1	27.2	180	154	
2012	8	14	7:30 AM													
2012	7	24	7:15 AM	625	< 0.02	< 0.02		< 0.015	1.35	0.079	0.01	73.7	25.6	196	175	
2012	7	5	7:30 AM													
2012	6	12	7:15 AM	847	< 0.02	< 0.02		< 0.015	0.89	0.042	< 0.005	207.4	57.1	317	192	
2012	5	14	7:30 AM	290.4										167	112	
2009	4	14	12:30 PM	169.1	< 0.02	0.07		< 0.015	1.39	0.127	0.026	13.5	10.4	100	86	
2009	3	2	12:30 PM	789	< 0.02	< 0.02		< 0.015	0.66	0.047	0.006	144.7	38.5	275	218	
2009	2	2	12:30 PM	361.4	< 0.02	< 0.02		< 0.015	0.32	0.034	0.007	58.9	38.3	236	191	
2008	12	15	9:00 AM	286.2	< 0.02	< 0.02		< 0.015	0.43	0.015	0.013	56.1	29.9	270	132	
2008	11	3	12:15 PM	594	< 0.02	< 0.02		< 0.015	0.35	0.022	0.006	46.5	37.9	235	215	
2008	9	30	7:30 AM	560	< 0.02	< 0.02		< 0.015	< 0.11	0.029	< 0.005	35.7	31.9	245	189	
2008	8	26	12:00 PM	490	< 0.02	< 0.02		< 0.015	< 0.11	0.04	< 0.005	31.3	24.2	188	170	
2008	7	22	10:15 AM	393.2	< 0.02	< 0.02		< 0.015	0.55	0.036	0.007	28.1	18.8	170	164	
2008	6	24	11:00 AM													
2008	6	17	11:15 AM	145.8	< 0.02	0.1		< 0.015	0.11	0.138	0.04	8.2	5.5	112	139	
2008	5	12	1:00 PM	399	< 0.02	< 0.02		< 0.015	< 0.11	0.045	0.013	29.9	20.2	180.9	137	
2008	4	7	12:45 PM	6.17	< 0.02	< 0.02		< 0.015	< 0.11	0.014	0.006	75.4	33.6	295.7	244	
2008	3	3	12:30 PM	282.2	< 0.02	0.51		0.049	1.55	0.461	0.145	25.6	20.2	98.9	84	
2008	1	22	12:45 PM	724	< 0.02	< 0.02		< 0.015	< 0.11	0.03	0.007	76.8	36	273.9	224	
2007	12	17	8:36 AM	315.6	< 0.02	0.33		< 0.015	< 0.11	0.102	0.051	27.1	17.2	109.2	94	
2007	11	13	8:15 AM	743	0.17	< 0.02		< 0.015	0.22	0.048	0.017	72.9	32.8	273.5	217	
2007	10	15	8:30 AM	404.7	0.12	0.04		< 0.015	< 0.11	0.049	0.012	41.3	20	199.5	165	
2007	9	10	8:30 AM		< 0.02	0.2		< 0.015	0.49	0.109	0.041	15.6	12.2	84.7	78	

2007	8	7	10:00 AM		< 0.02	< 0.02		< 0.015	0.47	0.068	0.013	73.3	30	303.6	370	Flow is elevated.
2007	7	3	10:00 AM													
2007	6	25	8:20 AM	255	< 0.02	0.08		< 0.015	< 0.11	0.07	0.025	13.3	8	110.5	105	
2007	5	29	8:15 AM	201.7	< 0.02	0.11		< 0.015	1.06	0.107	0.035	10.5	6.81	89	82	
2007	5	21	12:00 PM	463.5											217	
2004	6	8	8:30 AM	501	< 0.02	0.21		0.049	< 0.11	0.125	0.015	75.4	13.9	157.6	101	
2004	4	20	8:00 AM	6.86	< 0.02	< 0.02		0.024	0.673	0.059	< 0.005	62.6	35.1	253.9	209	
2004	3	16	8:00 AM	598	< 0.02	< 0.02		0.018	0.564	0.09	0.017	46.5	28.2	225.5	187	
2004	2	10	8:45 AM	512	< 0.02	0.13		0.054	0.592	0.102	0.012	44.9	25.1	172.8	149	
2004	1	6	3:00 PM	677	< 0.02	< 0.02		< 0.015	0.277	0.068	0.011	87.9	27.1	225.9	172	
2003	12	2	8:30 AM	509	< 0.02	< 0.02		< 0.015	0.528	0.06	< 0.005	49.7	19.9	178.3	149	
2003	10	21	8:15 AM	346	< 0.02	< 0.02		0.034	0.573	0.091	0.011	26.6	13.4	132.1	91	
2003	9	15	12:15 PM	178.4	< 0.02	0.22		0.032	0.919	0.187	0.093	8.8	6.4	66.8	82	
2003	8	12	8:15 AM	906	0.02*	0.16*		0.053	1.08	0.093	0.017	187.9	43.2	274.3	114	*Exceeded holding time.
2003	7	15	9:00 AM													
2003	7	8	7:30 AM	535	0.01*	0.07*		0.017	0.285	0.099	0.011	59.5	16.1	162.7	148	*Exceeded holding time.
2003	6	3	7:30 AM	424.5	0.02*	0.19*		0.03	1.163	0.096	0.012	42.7*	15.4*	158.9*	129	*Exceeded holding time.
2003	4	29	9:00 AM	754	< 0.02*	0.1*		0.013	0.368	0.051	< 0.005	83.7*	34.4*	278*	192	*Exceeded holding time.
2003	3	25	8:30 AM	333.6	< 0.02*	0.45*		< 0.015	< 0.11*	0.032	0.022	22.2*	16*	119.3*	102	*Exceeded holding time.
2003	2	19	1:00 PM	522	< 0.01*	0.09		< 0.015	0.271	0.014	< 0.005	114*	36.5	239	142	*Exceeded holding time.
2003	1	14	8:00 AM	738	< 0.01	0.11		< 0.015	0.351	0.018	< 0.005	118.5	28.8	210.2	104	DO: 10.81 PT, 10.75 PB
2002	12	3	7:40 AM	1,552	< 0.01*	0.21*		< 0.005*	0.308*	0.018*	< 0.005*	285.3*	48.31*	435.2*	222	*Exceeded holding time.
2002	11	5	8:10 AM	638	< 0.01	0.57		0.018	0.7	0.033	0.008	91.36	21.16	214.5	130	
2002	10	1	9:00 AM	374.5	< 0.01*	0.66*		0.032*	0.416*	0.033*	0.011*	48.44*	13.65*	169.2*	110	*Exceeded holding time.
2002	8	27	8:15 AM	164.3	0.2	0.75		0.257	1.229	0.114	< 0.005	10.07	5.35	64.08	60	
2002	7	23	8:00 AM	655	< 0.01	< 0.01		0.214	0.699	0.096	0.029	78.3	29.12	216.1	152	
2002	6	11	8:15 AM	359.5											112	
2001	3	27	8:30 AM	520			0.05	< 0.05	0.84	0.043	0.017	49.3	36.6	178	130	

2001	2	20	9:15 AM	397.3			0.62	< 0.05	0.76	0.089	0.031	46.5	32.4	138	111	
2001	1	16	9:00 AM	289.2			0.07	< 0.05	0.29	0.04	0.008	45.3	34.6	178	137	
2000	12	4	8:15 AM	285			< 0.05	< 0.05	0.43	0.03	< 0.005	25.2	24.5	201	138	
2000	10	30	9:15 AM	630			< 0.05	< 0.05	0.41	0.104	0.02	107	37	285	158	
2000	9	25	8:40 AM	1,055			< 0.05	< 0.05	0.38	0.038	< 0.005	153	72.1	419	206	DO: 6.23 PB
2000	8	21	10:00 AM	566			< 0.05	< 0.05	0.36	0.041	0.006	60.2	20.8	223	121	DO: 5.32 PB
2000	7	17	8:00 AM	424			0.07	< 0.05	0.41	0.053	0.007	22.4	17.7	152	187	
2000	7	11	8:00 AM													
2000	6	12	9:45 AM	422.3	0.006	0.112		0.097	0.64	0.169	0.017	44	4.12	146	138	
2000	5	8	8:15 AM	329.7	0.009	0.06		< 0.01	1.17	0.085	0.009	28	< 1	122	98	
2000	3	28	8:50 AM	396	< 0.004	< 0.01		< 0.023	0.76	0.065	0.008	27	3.44	166	120	DO: 8.91 RI
2000	2	23	9:00 AM	1,190	< 0.001	< 0.01		< 0.05	0.52	0.103	< 0.001	220	46.2	184	201	
2000	1	19	9:00 AM	5.31	< 0.005	0.012		< 0.01	0.39	0.031	< 0.005	49.5	37.9	204	153	DO: 11.14 RI
1999	12	14	9:00 AM													
1999	11	9	8:30 AM													
1999	10	4	9:00 AM													
1999	8	24	9:05 AM													
1999	7	19	9:30 AM													
1999	6	21	9:15 AM													
1999	5	24	8:40 AM													
1999	4	26	9:45 AM													
1999	2	19	9:00 AM													
1998	2	18	11:00 AM													

IR WBID OK620900010220_00				OCC WBID OK620900-01-0220G				Buckeye Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Creek					
Sampling Location: Latitude 36.09142 Longitude -96.51052 (BUE-1)													
Year	Month	Date	Time (24 H)	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	4	30	12:00 PM		19.4	8.07	9				< 10	320	8.43
2018	3	26	11:30 AM	2.128	14.3	7.88	8.76				< 10	310	4.45
2018	2	19	11:45 AM	1	13.5	7.34	11.13				< 10	270	6.26
2018	1	23	12:00 PM	1.169	4.7	6.54	11.73				< 10	350	5.12
2017	12	12	12:30 PM	1.202	5.5	7.84	12.46				< 10	280	4.55
2017	11	7	1:15 PM	1.046	11.3	7.12	8.62				<10	190	5.06
2017	10	3	12:00 PM	0.331	22.4	7.32	8.28				< 10	220	5.97
2017	8	29	12:30 PM	0.406	25.8	7.18	7.5		80		< 10	190	17.8
2017	7	31	9:45 AM						30				23.7
2017	7	26	7:00 AM	0.414	27.4	7.3	5.85						20.9
2017	7	25	10:30 AM	0.429	27.3	7.16	6.25		80		14	230	25.7
2017	6	20	12:00 PM	1.638	26.9	7.25	6.65		60		18*	360*	29.1
2017	6	14	7:00 AM	1.259	25.8	7.78	5.79						36.9
2017	5	16	11:45 AM	0					80				14.9
2017	3	15	12:15 PM										
2001	3	27	7:15 AM	3.094	8.6	7.99	9.56	70	173	180	16		7.23
2001	2	20	8:00 AM	3.884	6.4	7.95	11.57				4		11.6
2001	1	16	8:00 AM	3.033	2.4	6.95	12.27				12		15.9
2000	12	4	7:15 AM	1.574	2.9	8.62	11.64	70	98	900	10		11.6
2000	10	30	8:00 AM	3.36	18.9	7.65	6.35				60		109
2000	9	25	7:40 AM	0.637	14.4	7.61	8.19				16		12.9
2000	8	21	9:00 AM	0.596	23.2	7.56	6.68				6		9.01
2000	7	17	7:00 AM	1.564	27.1	7.87	5.27				4		6.66

2000	6	12	8:45 AM	3.105	24.3	8.1	6.87	400			20.1		13.8
2000	5	8	7:00 AM	10.406	21.9	7.2	7.35	200			33		50.9
2000	3	28	8:00 AM	3.151	13.7		7.74	200			14		26.4
2000	2	23	8:00 AM	2.908	12.4		9.93	300			21		19.8
2000	2	10	2:45 PM	4									
2000	1	19	8:00 AM	1.317	7.2		11.27	200			6.5		10.9
1999	12	14	8:00 AM	1.75				600					
1999	11	9	7:30 AM	0.312				< 100					
1999	10	4	7:45 AM	0.668				100					
1999	8	24	8:00 AM	0.113				< 100					
1999	7	19	8:00 AM	2.555				< 100					
1999	6	21	8:00 AM	2.157				400					
1999	5	24						1,700					
1999	4	26						2,000					
1999	2	10	3:45 PM	3									
1998	8	5	8:05 AM	0.531									
1998	2	18	1:05 PM	0.24									

Year	Month	Date	Time (24 H)	Cond. $\mu\text{S}/\text{cm}$	NO_2^- mg/L	NO_3^- mg/L	$\text{NO}_3^-/\text{NO}_2^-$ mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2018	4	30	12:00 PM	539.2	< 0.02	0.02			0.44*	0.023	0.008	32.8	69.9	265	166	*Exceeded holding time.
2018	3	26	11:30 AM	510.5	< 0.02	0.03			0.23*	0.021	0.008	30	66.2	261	171	*Exceeded holding time.
2018	2	19	11:45 AM	451.8	< 0.02	0.04			0.22	0.022*	0.007*	23.1	67.5	166	128	*Exceeded holding time.
2018	1	23	12:00 PM	620.3	< 0.02	0.08			0.17	0.017	0.008	22.3	97.9	290	135	

2017	12	12	12:30 PM	348	< 0.02	0.17			0.2	0.018	0.011	20.2	57.5	209	136	
2017	11	7	1:15 PM	310.9	< 0.02	0.15			0.41	0.029	0.011	13.1	32.7	152	92	
2017	10	3	12:00 PM	360.5	< 0.02	0.24			0.32	0.026	0.011	16.9	35.3	140	111	
2017	8	29	12:30 PM	363	< 0.02	0.14		0.02	0.38	0.035	0.013	19.8	37	165	110	
2017	7	31	9:45 AM													
2017	7	26	7:00 AM	387.4										171	208	
2017	7	25	10:30 AM	441.3	< 0.02	0.17		0.036	0.54	0.045	0.007	31.1	36.5	179	143	
2017	6	20	12:00 PM	634	< 0.02	0.07		0.053	0.55	0.042	0.009	33	97.6	288	172	*Exceeded holding time.
2017	6	14	7:00 AM	691										289	193	
2017	5	16	11:45 AM													
2017	3	15	12:15 PM	495.7												
2001	3	27	7:15 AM	422			0.05	< 0.05	28	0.01	0.01	25.3	57.4	205	164	
2001	2	20	8:00 AM	370.2			0.22	< 0.05	0.25	0.033	0.01	18.6	57.3	189	133	
2001	1	16	8:00 AM	204.3			0.39	< 0.05	0.1	0.042	0.01	18.9	71.9	184	116	
2000	12	4	7:15 AM	125			0.19	< 0.05	0.42	0.035	0.008	19.3	38.9	164	88.8	
2000	10	30	8:00 AM	136.7			0.06	0.06	0.46	0.048	0.039	9.6	59.2	135	65	
2000	9	25	7:40 AM	546			< 0.05	< 0.05	0.09	0.122	0.013	26.2	79.6	226	98	
2000	8	21	9:00 AM	469.5			0.23	< 0.05	0.25	0.042	0.016	16.9	124	359	119	
2000	7	17	7:00 AM	455			0.16	< 0.05	0.23	0.056	0.009	29.4	34.5	180	225	
2000	6	12	8:45 AM	284.8	< 0.005	0.119		0.075	0.23	0.063	0.006	21	43	186	142	
2000	5	8	7:00 AM	144.7	0.009	0.159		< 0.01	1.14	0.112	0.013	15	< 1	104	77	
2000	3	28	8:00 AM	387	< 0.004	< 0.01		< 0.024	0.44	0.046	0.005	26	31.8	60	122	
2000	2	23	8:00 AM	309	0.005	0.188		< 0.05	0.46	0.03	0.009	29	46.8	174	109	
2000	2	10	2:45 PM													
2000	1	19	8:00 AM	580	< 0.003	0.232		< 0.031	0.16	0.021	< 0.005	32.4	71.4	246	109	
1999	12	14	8:00 AM													
1999	11	9	7:30 AM													

1999	10	4	7:45 AM																
1999	8	24	8:00 AM																
1999	7	19	8:00 AM																
1999	6	21	8:00 AM																
1999	5	24																	High Flow
1999	4	26																	Elevated Flow
1999	2	10	3:45 PM																
1998	8	5	8:05 AM																
1998	2	18	1:05 PM																

IR WBID OK620900010250_00				OCC WBID OK620900-01-0250M				Tiger Creek			
Sampling Agency: Oklahoma Conservation Commission								County: Creek			
Sampling Location: Latitude 35.986034 Longitude -96.5992 (TIG-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2016	6	29	9:00 AM		25						Base flow. No place to measure flow.
2016	3	2	3:30 PM		15						Base flow. No place to measure flow.
2015	8	12	3:30 PM		27						Low flow.
2015	3	12	8:00 AM		8						Base flow. No place to measure flow.

IR WBID OK621200010400_00				OCC WBID OK621200-01-0400B				Gray Horse Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.4924 Longitude -96.6912 (GHC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	6	26	8:15 AM		24.9	7.68	4.53 R		<1		25	280	61.2
2018	5	30	8:00 AM		25.6	8.05	3.65 R		600		<10	370	7.5
2018	4	23	9:45 AM		11.7	7.81	10.07 R				30	320	58.2
2018	3	19	10:00 AM	5.112	12.7	7.89	8.45 R				<10	420	9.09
2018	2	13	9:00 AM	0.1	3.4	8.23	10.42 R				<10	420	5.84
2018	1	16	10:00 AM		2.7	7.73	11.51 R				<10	410	6.95
2018	1	9	9:30 AM										3.14
2017	12	11	9:30 AM	1.424	3.1	7.47	12.12 R				<10	340	3.53
2017	10	30	10:00 AM	11.414	10.4	7.47	9.31 R				<10	190	20.2
2017	9	25	10:00 AM	0	24.1	7.34	2.61 PT		600*		<10	200	9.77
2017	9	11	9:45 AM	0					820				13.2
2017	8	21	10:00 AM	8.394	28		4.99 R		100		17	230	25.1
2017	8	7	10:00 AM						220				72.1
2017	8	17	7:15 AM	0.2	27.2	6.22	3.15 R						37.6
2017	7	17	10:00 AM	0.817	27.8	7.45	3.66 R		80		11	160	38
2017	6	13	8:45 AM	0.721	25.8	7.84	5.39 R		200		12	320	24.6
2017	5	15							90*				
2017	3	20	11:00 AM										

Year	Month	Date	Time	Cond. μS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	6	26	8:15 AM	456.1	<0.02	0.05	<0.015	0.115	0.205	0.076	34.9	32.7	177	162	High flow.
2018	5	30	8:00 AM	621	<0.02	<0.02		0.64	0.083	0.041	41	57.4	258	222	Base flow.
2018	4	23	9:45 AM	448.2	<0.02	0.15		1.31*	0.104	0.045	45.4	58.1	198	123	*Exceeded hold time. Elevated flow.
2018	3	19	10:00 AM	66.2	<0.02	<0.02		0.35	0.041	0.022	49.4	59.3	414	225	
2018	2	13	9:00 AM	687.9	<0.02	<0.02		0.15	0.03*	0.02*	25.8	61.3	502	224	*Exceeded hold time.
2018	1	16	10:00 AM	661.5	<0.02	<0.02		0.22	0.036	0.024	22.4	54.5	408	252	Base flow.
2018	1	9	9:30 AM												Base flow.
2017	12	11	9:30 AM	563.1	<0.02	<0.02		0.31	0.058	0.046	18.9	47.3	482	224	
2017	10	30	10:00 AM	291.3	<0.02	0.16		0.56	0.09	0.059	11.3	21	139	116	
2017	9	25	10:00 AM	414.1	<0.02	<0.02	<0.015	0.6	0.056	0.024	28.2	20.3	176	181	*Exceeded hold time.
2017	9	11	9:45 AM												
2017	8	21	10:00 AM	388.4	<0.02	<0.02	<0.015	0.64	0.073	0.02	40.8	26.4	185	140	
2017	8	7	10:00 AM												Elevated flow.
2017	8	17	7:15 AM	258.4									110	114	
2017	7	17	10:00 AM	277.7	<0.02	<0.02	0.057	0.8	0.098	0.044	11	16	132	147	
2017	6	13	8:45 AM	312.2	<0.02	<0.02	<0.015	0.73	0.101	0.038	25.9	43.5	210	198	
2017	5	15													*Exceeded hold time. Elevated flow.
2017	3	20	11:00 AM	608											Low flow.

IR WBID OK621200010400_00				OCC WBID OK621200-01-0400C				Gray Horse Creek					
Sampling Agency: Oklahoma Conservation Commission							County: Osage						
Sampling Location: Latitude 36.502 Longitude -96.6914 (GHC-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2009	4	13	7:30 AM		9.9	7.88	10.15 R				269	199	419
2009	3	2	8:00 AM	0.311	4.1	7.87	9.66 R				15	286	31.2
2009	2	2	7:30 AM	0.084	2.5	7.94	16.82 R				<10	326	7.31
2008	12	16	8:00 AM	0.437	2	8.02	12.17 R				<10	296	11.4
2008	11	3	7:30 AM	0.444	14.2	7.51	6.13 R				<10	273	7.72
2008	9	29	9:00 AM	4.17	20.2	7.66	6.48 R		30	30	<10	337	15.4
2008	8	26	8:00 AM	0.214	25.1	7.12	5.62 R		20	10	<10	425	11.1
2008	7	22	7:30 AM	0.609	28	7.39	5.49 R		100	<5	11	451	5.61
2008	6	24	3:45 PM						140	80			
2008	6	17	12:00 PM		21	6.92	7.92 R		3,500	6,200	77	166	120
2008	5	13	12:30 PM		20.1	7.5	9.34 R		60	40	10	312	13.3
2008	4	8	1:30 PM		11.2	7.45	10.06 R		>2,000	1,120	620	208	575
2008	3	4	12:30 PM	57.003	6.3	7.84	11.55 R				62	242	187
2008	1	23	1:00 PM	3.552	3.8	7.7	13.66R				<10	437	15.6
2007	12	18	1:30 PM		4.8	7.68	12.19 R				<10	321	23.7
2007	11	14	12:30 PM	0.46	15.2		9.5 R				11	289	12.2
2007	10	16	12:45 PM	0.588	19.9		8.5 R				16	174	28.6
2007	9	11	10:00 AM	9.716	22.1	6.53	5.49 R		1,680	>2,000	73	128	138
2007	8	14	6:30 AM	0.368	27.2	7.82	4.5 R						17.8
2007	8	6	11:00 AM	7.066	30	8.06	6.99 R		10	10	13	401	13.8
2007	7	3	3:30 PM	0					230	330			
2007	6	26	9:45 AM	26.721	26.5	7.29	5.14 R		580	560	29	246	56.5
2007	5	30	9:15 AM	47.262	22.4		6.89 R		280	120	28	202	57.8

2004	6	1	9:30 AM	0.613	23.1	8.04	6.87 RI		110	30	12	306	31.2
2004	4	27	8:30 AM	5.963	16.6	8.01	7.2 RI		150	240	50	250	48.8
2004	3	16	8:30 AM	1.208	10.1	8.28	10.02 RI				<10	413	10.6
2004	2	10	9:00 AM	12.712	1.6	8.16	13.58 RI				<10	388	31.7
2004	1	6	3:00 PM	2.031	3.6		9.59 RI				11	209	78.3
2003	12	1	7:45 AM	0.234	5.5	8.06	8.66 RI				<10	205	30.5
2003	10	20	7:45 AM	0.45	15.1	8.48	5.22 RI		220	80	16	216	44.2
2003	9	22	8:00 AM	0.455	17.8	5.83	6.08 RI		970	275	23*	144*	51.1
2003	8	11	7:30 AM	0.064	24.6	9.23	4.13 RI		80	<20	15*	160*	43.5
2003	7	7	8:00 AM	0	25.6	6.85	1.36 PT		30	10	21*	225*	21.1
2003	6	2	8:00 AM	0.413	22.5	8.19	6.51 RI		2,170	1,220	43	214	36.8
2003	4	29	8:30 AM	1.171	20.7	8.4	5.12 RI		20	20	14*	423*	15.1
2003	3	25	2:30 PM	5.422	16.3	8.15	8.41 RI				16*	305*	36.4
2003	2	18	7:30 AM	0.731	5.1	7.93	8.73 RI				10	544	14.4
2003	1	15	2:30 PM	0.723	3.8	8.06	6.05 RI				52	427	16.5
2002	12	2	7:30 AM	0.294	4.5	8.49	9.88 RI				15	221	22.2
2002	11	5	3:00 PM	0.821	9.6	7.98	8 RI				<10	183	19
2002	10	1	12:30 PM	0.131	26.8	8.2	9.19 RI		140	40	24	160	50.5
2002	8	27	1:10 PM	0.626	26.6	8.93	4.9 RI		1,700	480	24	259	84.2
2002	7	23	2:00 PM	0	35.6	7.41	6.25 PT		435	390	<10	336	23.8
2003	7	3	9:00 AM	0.161	25	6.98	5.43 RI						25
1997	12	15	9:35 AM	3.11									

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2009	4	13	7:30 AM	208.4	<0.02	0.1	0.021	1.85	0.263	0.057	13.4	20.1	134	89	High flow.
2009	3	2	8:00 AM	413.1	<0.02	0.26	<0.015	0.45	0.088	0.019	26.1	34.6	270	167	
2009	2	2	7:30 AM	385.9	<0.02	<0.02	<0.015	0.22	0.053	0.011	29.1	39.8	359	189	

2008	12	16	8:00 AM	278.3	<0.02	<0.02	<0.015	0.35	0.055	0.014	26.2	27.6	311	170	
2008	11	3	7:30 AM	474	<0.02	<0.02	<0.015	0.36	0.051	0.024	22.8	34	226	174	
2008	9	29	9:00 AM	519	<0.02	<0.02	<0.015	<0.11	0.059	0.011	41.9	41.6	178	165	
2008	8	26	8:00 AM	740	<0.02	<0.02	<0.015	<0.11	0.039	<0.005	76.3	59.6	238	197	
2008	7	22	7:30 AM	838	<0.02	<0.02	<0.015	0.38	0.034	0.007	116.8	51.9	227	200	
2008	6	24	3:45 PM												Base flow.
2008	6	17	12:00 PM	224.1	<0.02	0.11	<0.015	<0.11	0.131	0.034	10.8	11.9	98	93	High flow.
2008	5	13	12:30 PM	499	<0.02	<0.02	<0.015	<0.11	0.06	0.012	28.1	37.8	228	176	
2008	4	8	1:30 PM	282.3	<0.02	0.23	0.043	1.26	0.405	0.096	29.8	24.1	99.7	78	Elevated flow.
2008	3	4	12:30 PM	298.7	<0.02	0.34	0.024	0.63	0.148	0.048	24.7	26.6	104.1	101	
2008	1	23	1:00 PM	719	<0.02	0.09	<0.015	0.37	0.045	0.017	67	63.5	261.1	202	
2007	12	18	1:30 PM	509	<0.02	0.16	<0.015	<0.11	0.071	0.03	44	37	179.9	147	Flow slightly elevated.
2007	11	14	12:30 PM	412.2	<0.02	<0.02	<0.015	0.2	0.068	0.022	15	28.7	182.5	174	
2007	10	16	12:45 PM	280.5	0.09	0.04	<0.015	<0.11	0.073	0.019	17.6	17.8	132.8	131	
2007	9	11	10:00 AM		<0.02	0.16	0.031	0.71	0.132	0.042	10.9	13.8	66.7	76	
2007	8	14	6:30 AM	733										209	DO was 4.55 at PT.
2007	8	6	11:00 AM	700	<0.02	<0.02	<0.015	0.19	0.065	0.009	55.3	37.8	247	201	
2007	7	3	3:30 PM												
2007	6	26	9:45 AM	370	<0.02	0.11	<0.015	<0.11	0.08	0.031	28.5	20.4	142.6	129	
2007	5	30	9:15 AM	310.3	<0.02	0.1	<0.015	1.01	0.077	0.02	20.9	17.7	118.3	91	
2004	6	1	9:30 AM	471	<0.02	0.05	<0.015	0.46	0.097	0.016	29.6	27	183.6	114	
2004	4	27	8:30 AM	347.6	<0.02	0.09	0.034	0.576	0.119	0.025	20.1	33.8	165.3	145	
2004	3	16	8:30 AM	459	<0.02	<0.02	0.015	0.336	0.082	0.013	66.3	49.5	254.7	228	
2004	2	10	9:00 AM		<0.02	0.1	0.016	0.346	0.098	0.021	95.6	47.2	214.4	201	
2004	1	6	3:00 PM	396.6	<0.02	0.12	0.048	0.447	0.141	0.045	27	29.7	135	101	
2003	12	1	7:45 AM	330.3	<0.02	0.15	0.042	0.569	0.114	0.03	24.3	19.2	103	83	
2003	10	20	7:45 AM	364.5	<0.02	0.07	0.046	0.343	0.128	0.028	45.6	12.5	98.8	50	
2003	9	22	8:00 AM	209.3	<0.02	0.14	0.016	0.677	0.126	0.026	99.6	21.5	131	66	*Exceeded hold time.
2003	8	11	7:30 AM	298.1	0.02*	0.03	0.041	0.785	0.155	0.02	15.7	16.8	105.6	103	*Exceeded hold time.

2003	7	7	8:00 AM	369.5	0.16*	0.09*	0.068	0.715	0.113	0.02	25.5	16.8	158.2	148	*Exceeded hold time. DO was 0.96 at PB.
2003	6	2	8:00 AM	363.7	0.02*	0.31*	0.103	1.001	0.14	0.032	30.6*	25*	142.3*	84	*Exceeded hold time.
2003	4	29	8:30 AM	700	<0.02*	0.2*	0.019	0.532	0.09	0.007	72*	54.4*	256*	101	*Exceeded hold time.
2003	3	25	2:30 PM	506	<0.02*	0.41*	<0.015	0.445*	0.019	<0.005	50.2*	36.1*	171.4*	114	*Exceeded hold time.
2003	2	18	7:30 AM	1,062		0.15	<0.015	0.423	0.039	<0.005	26.2*	51.4	280.6	166	*Exceeded hold time.
2003	1	15	2:30 PM	769	<0.02	0.19	<0.015	<0.491	0.056	0.021	123.1	32.2	215.7	104	
2002	12	2	7:30 AM	224	<0.01*	0.21	<0.015*	0.446	0.085	0.06	17.02*	22.55	145.7	89	*Exceeded hold time.
2002	11	5	3:00 PM	295.1	<0.01	0.66	<0.015	0.027	0.062	0.037	13.5	14.85	106.8	111	
2002	10	1	12:30 PM	267.6	0.01	0.78	0.059	0.564	0.076	0.035	20.01	12.84	90.51	76	
2002	8	27	1:10 PM	164.7	<0.01	<0.01	0.158	0.842	0.164	<0.005	41.25	15.19	164.5	83	
2002	7	23	2:00 PM	584	<0.01	0.55	0.151	0.734	0.056	0.018	81.9	35.41	154.5	94	DO was 6.1 at PB.
2003	7	3	9:00 AM	575										115	DO was 4.65 at PT and 4.52 at PB.
1997	12	15	9:35 AM												

IR WBID OK621200010400_00				OCC WBID OK621200-01-0400T				Gray Horse Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.55207 Longitude -96.61503 (GHC-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	1:00 PM	0.992	9.4	8.33	11.45 R	<10	<10	400	22		11.8
2001	2	12	1:30 PM	1.303	4.5	7.62	12.07 RI	4,000	3,448	7,000	74		123
2001	1	8	2:10 PM	1.589	0.8	8.05	11.11 R	1,000	1,607	8,000	24		25
2000	11	27	1:00 PM	0	7.5	7.99	10.7 PT	<10	31	<10	11		9.72
2000	10	23	1:15 PM	0	21.3	8.07	6.68 PT	4,000	6,488	10,000	5		25
2000	9	18	12:30 PM	0	22.4		7.6 PT	20	<10	<10	4		16.7
2000	8	14	1:15 PM	0	27.5	8.18	7.94 PT	10	20		2		8.35

2000	7	13	3:30 PM	0												
2000	7	10	11:45 AM	0.064	26.9	8	6.71 R	<100				4				8.18
2000	6	5	12:30 PM	0.194	22.2	7.73	8.33 RI	100				14				8.72
2000	5	1	1:45 PM	5.909	18.3	7.83	8.65 R	5,000				14				18.2
2000	3	20	7:30 AM	0.784	6.9		10.49 R	100				65				53.2
2000	2	14	7:30 AM	0.053	2		12.44 R	<100				5				6.08
2000	1	10	8:00 AM	0.202	3.3		11.1 R	100				21				21.1
1999	12	6	10:45 AM	1.849				3,400								
1999	11	1	10:30 AM	0.316				300								
1999	9	27	11:30 AM	0.723				1,800								
1999	8	16	10:00 AM	0				<100								
1999	7	12	11:45 AM	0.891				100								
1999	6	14	11:30 AM	1.831				500								
1999	5	17	1:30 PM	19.8				>4,000								
1999	4	19	12:30 PM	2.42				5,400								
1999	2	23	12:30 PM	10												
1998	9	23	9:00 AM	0.152												
1997	12	15	10:30 AM	0.7												

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	19	1:00 PM	407.8				<0.05	0.3	0.021	0.01	17.7	69	178	143	
2001	2	12	1:30 PM	248.6			0.33	<0.05	0.85	0.149	0.109	9.5	62.9	105	61	
2001	1	8	2:10 PM	199.1			0.65	<0.05	0.79	0.132	0.076	<5	30.8	169	116	
2000	11	27	1:00 PM	219.7			<0.05	<0.05	0.36	0.054	0.011	5.1	24.4	130	111	
2000	10	23	1:15 PM	323.2			0.09	<0.05	0.74	0.057	0.015	8.9	33.1	139	86	
2000	9	18	12:30 PM	415.2			<0.05	0.08	0.54	0.059	0.009	18.1	34.9	159	130	
2000	8	14	1:15 PM	435.4			0.06	<0.05	0.41	0.048	0.011	9.7	29.2	168	166	

2000	7	13	3:30 PM													
2000	7	10	11:45 AM	507			<0.05	<0.05	0.41	0.025	0.005	11.3	31.5	203	213	
2000	6	5	12:30 PM	511	<0.005	<0.047		<0.01	0.38	0.084	0.005	17	39.2	192	183	
2000	5	1	1:45 PM	546	<0.004	<0.009		<0.01	0.54	0.058	<0.005	30	63.2	218	182	
2000	3	20	7:30 AM	299	<0.004	<0.01		0.052	0.76	0.107	<0.004	13	78.4	146	121	DO was 10.93 in a RI.
2000	2	14	7:30 AM	559	<0.001	0.053		0.026	0.21	0.02	<0.005	24	92.5	304	70	DO was 12.4 in a RI.
2000	1	10	8:00 AM	482	<0.005	0.073		<0.01	0.39	0.043	<0.003	14	45.4	200	135	DO was 11.09 in a RI.
1999	12	6	10:45 AM													
1999	11	1	10:30 AM													
1999	9	27	11:30 AM													
1999	8	16	10:00 AM													
1999	7	12	11:45 AM													
1999	6	14	11:30 AM													
1999	5	17	1:30 PM													
1999	4	19	12:30 PM													
1999	2	23	12:30 PM													
1998	9	23	9:00 AM													
1997	12	15	10:30 AM													

IR WBID OK621200020020_00				OCC WBID OK621200-02-0020C				Doga Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.56469444 Longitude -96.79588889 (DOA-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO (Run) mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	6	26	9:00 AM		23.6	7.72	6.28 R		<1		84	220	267
2018	5	30	8:45 AM	0	26.2	8.06	2.42 PT		40		<10	310	11.9
2018	4	23	11:00 AM		12.6	7.81	9.31 R				86	300	811
2018	3	19	11:00 AM	0.1	12.3	8.29	9.21 R				<10	340	2.37
2018	2	13	9:45 AM	0.1	4.6	8.25	10.96 R				<10	360	5.32
2018	1	16	11:00 AM	0	1.7	7.55	12.54 PT				<10	340	5.31
2018	1	9	10:30 AM	0									
2017	12	11	10:30 AM	0.1	3.7	7.51	13.86 R				<10	250	3.68
2017	10	30	11:00 AM	9.8	7.56		10.01 R				<10	170	34.9
2017	9	25	11:00 AM	0	25.3	7.71	4.42 PT		380*		36	720	27.6
2017	9	11	10:30 AM	0					300				39.4
2017	8	21	11:00 AM	0	27.9	7.81	4.91 PT		<1		21	300	24.8
2017	8	7	10:30 AM						100				31.6
2017	7	17	9:00 AM	0	27.1	8.07	5.65 PT		140		24	230	30.7
2017	7	17	7:30 AM	0	27.2	7.55	4.75 PT						30.7
2017	6	13	9:30 AM	0	26.5	7.78	6.62 PT		280		12*	200*	21.4
2017	5	15	10:30 AM	0					60*				19.4
2017	3	20	12:30 PM	0									
2014	4	29	4:15 PM	0.1	16.7	8.29	10.08 R				<10	320	3.49
2014	3	24	3:45 PM		15.6	8.28	9.97 R				<10	340	5.25
2014	2	19	3:30 PM		9.6	7.74	10.82 R				<10	350	9.77

2014	1	14	2:00 PM	1.168	5.7	7.51	12.3 R				<10	350	5.05
2013	3	12	8:00 AM	1.325	7.1	7.39	9.66 PT				<10	250	27.3
2013	10	22	1:15 PM	0.2	13.7	8.33	9.68 R				<10	180	22.9
2013	9	17	2:30 PM	6.371	23	6.98	3.35 R		>5,000		140	180	309
2013	8	13	1:15 PM	0	27.2	7.08	4.02 PT		10		<10	329	26.6
2013	7	8	3:15 PM	0	29.4	7.72	9.71 PT		<5		<10	568	13.1
2013	7	2	11:15 AM	0					5				9.03
2013	6	4	2:15 PM	6.124	26		9.1 R		20		<10	166	36.9
2013	4	30	12:30 PM	0	28.1	7.34	7.04 PT				23	200	30.7
2013	3	25	1:45 PM	0	10.6	7.29	4.49 PT				<10	337	8.24
2013	2	19	1:30 PM	0	11.4	7.51	8.24 PT				<10	513	11.1
2013	1	23	8:30 AM	0	2.3	6.98	3.64 Pt				43*	373*	6.67
2012	12	11	8:00 AM	0	3.2	7.03	4.51 PT				68	415	9.41
2012	10	30	8:00 AM		7.8	7.09	5.02 PT				<10	324	12.6
2012	9	25	8:00 AM	0	20.6	8.05	6.34 PT		40		31	278	51.2
2012	8	21	12:15 PM	0	23.5	8.08	6.49 Pt		5		38	285	41.4
2012	8	14	8:00 AM	0					10				
2012	7	24	8:30 AM	0	27.3	7.56	3.64 PT		30		11	229	5.79
2012	7	5	9:00 AM	0									
2012	6	19	9:00 AM	0	28.1	7.9	5.77 PT						18.4
2012	6	12	1:30 PM	0	28.8	8.18	6.09 PT		520		10	265	9.65
2009	4	13	9:30 AM		10.1	7.79	9.85 R				304	187	513
2009	3	2	10:30 AM		6	7.85	10.19 R				<10	386	10.2
2009	2	2	9:00 AM	0.136	4.1	7.77	14.33 R				<10	388	6.95
2008	12	16	9:30 AM	0.155	1.4	8.04	12.2 R				<10	394	8.41
2008	11	3	9:30 AM	3.652	14.7	7.67	7.34 R				<10	418	13.5
2008	9	29	11:00 AM	0	22.7	7.63	8.11 PT		30	60	42	441	71.6
2008	8	26	9:15 AM	0.182	23.9	7.8	7.51 R		140	<10	<10	347	10.8
2008	7	22	9:30 AM	0	28.5	7.61	7.59 PT		25	10	<10	294	12.1
2008	6	24	3:00 PM	0					20	80			

2008	6	17	10:30 AM	0	20.8	7.08			5,500	>10,000	50	176	137
2008	5	13	9:30 AM	0	18.5	7.71	8.11 PT		200	240	17	315	41.5
2008	4	8	11:00 AM		10.5	7.98	10.47 R		>2,000	>2,000	725	183	393
2008	3	4	9:45 AM	28.209	5.3	7.13	10.66 R				87	229	254
2008	1	23	10:15 AM	1.888	2.5	8.02	14.85 R				<10	413	5.42
2007	12	18	10:45 AM	1.944	3	7.91	12.23 R				<10	367	11.5
2007	11	14	9:30 AM	0.855	14		8.83 R				<10	346	4.86
2007	10	16	10:30 AM	0.511	17.5		7.17 R				<10	379	6.96
2007	9	17	8:00 AM	0.704	22	7.46	6.98 R						20.5
2007	9	11	12:30 PM	2.923	23	6.7	4.48 R		620	360	26	204	48.6
2007	9	7	1:00 PM	0									
2007	8	6	8:30 AM	0	28.7	7.83	6.28 PT		<10	<10	11	395	14.1
2007	7	3	3:00 PM	0									
2007	6	26	12:45 PM	0	26.1	7.79	7.93 PT		240	200	<10	299	15.6
2007	5	30	12:00 PM	0	21.6	7.45	6.9 R		460	100	29	182	58.8
2004	4	27	10:00 AM	0	17.2	7.89	6.91 PT		80	110	24	216	56.5
2004	3	16	10:00 AM	0	10.6	8.33	9.81 PT				<10	406	14.3
2004	2	10	10:00 AM	19.556	1.6	8.41	13.43 RI				43	266	99.8
2004	1	6	12:15 PM	0.858	2.6		11.87 RI				24	306	19.8
2003	12	1	9:00 AM	2.234	5.6	8.18	10.33 RI				<10	184	29.7
2003	10	20	9:00 AM	1.281	15.5	7.95	5.01 RI		160	80	12	161	40.7
2003	9	22	9:30 AM	2.732	18.8	7.29	6.85 RI		230	220	70*	242*	71.3
2003	8	11	9:00 AM	0	25.1	9.01	3.91 PT		60	<20	24	146*	61.1
2003	7	7	9:00 AM	0.792	27.2	7.99	6.06 RI		50	40	62*	165*	50.3
2003	6	2	9:30 AM	0	23.1	8.13	4.91 PT		210	290	23	221	38.4
2003	4	29	9:40 AM	0	20	8.48	5.19 PT		80	280	13*	289*	48.4
2003	3	25	12:00 PM	0	15.3	8.49	9.33 PT				<10*	298*	29.3
2003	3	18	8:45 AM	4.978	4.8	8.53	9.79 RI				<10*	330	12.8
2003	1	15	12:00 PM	0.56	3.2	8.12	6.42 RI				<10	212	20.4
2002	12	2	8:45 AM	0.146	4.3	8.81	9.63 RI				12	286	7.29

2002	11	5	12:00 PM	0.675	8.8	8.94	5.16 RI				24	227	35.6
2002	10	1	11:00 AM	0.047	23.6	8.19	7.61 RI		320	80	113	164	69.8
2002	8	30	9:15 AM	0.131	24.4	8.1	7.21 RI						56.7
2002	8	27	10:45 AM	0.979	26.6	7.21	6.49 RI		>1,600	740	53	152	116
2002	7	23	12:15 PM	0	29.3	7.37	3.38 PT		260	130	<10	245	17.2
1997	11	17	2:00 PM	3									

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	6	26	9:00 AM	257.2	0.04	0.14	0.152	1.381	0.214	0.094	9.4	9	136	159	High flow.
2018	5	30	8:45 AM	515	<0.02	<0.02		1.15	0.136	0.063	46.5	20.2	213	201	
2018	4	23	11:00 AM	305.4	<0.02	0.37		1.84*	0.242	0.125	14.9	14.2	223	136	*Exceeded hold time. Elevated flow.
2018	3	19	11:00 AM	550.3	<0.02	<0.02		0.32	0.034	0.018	19.6	14.4	374	272	
2018	2	13	9:45 AM	597.1	<0.02	<0.02		0.19	0.043*	0.031*	21.6	14.6	410	303	*Exceeded hold time.
2018	1	16	11:00 AM	594.9	<0.02	<0.02		0.25	0.05	0.037	21.4	15	347	279	
2018	1	9	10:30 AM												
2017	12	11	10:30 AM	428.5	<0.02	<0.02		0.4	0.105	0.089	14	10.2	301	209	
2017	10	30	11:00 AM	234.6	<0.02	0.14		0.71	0.185	0.137	7.3	5.1	178	117	Trace flow.
2017	9	25	11:00 AM	1,353	<0.1	0.18	<0.015	1.68	0.261	0.047	273	73.9	336	233	Exceeded hold time.
2017	9	11	10:30 AM												
2017	8	21	11:00 AM	521	<0.02	<0.02	<0.015	0.93	0.123	0.03	56.3	22.8	214	193	
2017	8	7	10:30 AM												Low flow.
2017	7	17	9:00 AM	438.8	<0.02	0.07	<0.015	0.68	0.078	0.022	20.2	10.1	190	188	
2017	7	17	7:30 AM	557									190	188	

2017	6	13	9:30 AM	367.7	<0.02	<0.02	<0.015	0.82	0.098	0.034	13.5	10.4	145	153	*Exceeded hold time.
2017	5	15	10:30 AM												*Exceeded hold time.
2017	3	20	12:30 PM	414.1											
2014	4	29	4:15 PM	530	<0.02	<0.02		0.62	0.032	0.006	25	17.2	281	242	
2014	3	24	3:45 PM	575	<0.02	<0.02		0.33	0.038	0.012	21.4	21.5	325	280	
2014	2	19	3:30 PM	605	0.06	<0.02		0.32	0.044	0.012	19.8	21.5	294	282	Elevated flow.
2014	1	14	2:00 PM	566	0.03	<0.02		0.18	0.039	0.013	15.2	22.1	289	278	
2013	3	12	8:00 AM	426.1	<0.02	0.06		0.54	0.103	0.06	12.8	13.5	268	197	
2013	10	22	1:15 PM	280.1	<0.02	0.05		0.68	0.08	0.036	7.8	7.4	192	142	
2013	9	17	2:30 PM	136.7	0.02	0.38	<0.015	1.72	0.354	0.181	2.5	3.3	69	62	
2013	8	13	1:15 PM	558	<0.02	0.39	0.067	0.87	0.261	0.219	70.4	39.7	152	111	
2013	7	8	3:15 PM	906	<0.02*	<0.02*	<0.015	0.69	0.06	0.007	195.2	56.9	208	156	*Exceeded hold time.
2013	7	2	11:15 AM												
2013	6	4	2:15 PM	269.9	<0.02	0.27	<0.015	0.7	0.082	0.038	8.8	12.9	137	112	
2013	4	30	12:30 PM	341.9	<0.02	<0.02		0.8	0.102	0.039	17.1	15.2	151	135	
2013	3	25	1:45 PM	4.78	<0.02	<0.02		0.87	0.038	<0.005	30.3	38.6	224	179	
2013	2	19	1:30 PM	975	<0.02	<0.02		0.49	0.038	0.005	87.2	68.8	249	189	
2013	1	23	8:30 AM	715	<0.02	<0.02		1.05	0.072	0.013	47.8	27.2	381	238	*Exceeded hold time.
2012	12	11	8:00 AM	697	<0.02	<0.02		1.05	0.127	0.067	54.4	28	437	266	
2012	10	30	8:00 AM	436.1	<0.02	<0.02		1.08	0.122	0.068	43.9	25.4	292	187	No flow.
2012	9	25	8:00 AM	525	<0.02	<0.02		1.43	0.085	0.01	43.9	21	199	188	
2012	8	21	12:15 PM	456.3	<0.02	<0.02	<0.015	1.03	0.133	0.024	34.7	18.2	164	178	
2012	8	14	8:00 AM												
2012	7	24	8:30 AM	460	<0.02	<0.02	<0.015	0.97	0.073	0.009	29.3	17.9	173	187	
2012	7	5	9:00 AM												
2012	6	19	9:00 AM	492									210	227	
2012	6	12	1:30 PM	226.8	0.16	0.11	0.022	0.6	0.043	0.009	24.3	21.2	191	165	

2009	4	13	9:30 AM	273.9	<0.02	0.11	0.015	1.9	0.238	0.069	13.4	9.4	179	143	High flow.
2009	3	2	10:30 AM	653	<0.02	<0.02	<0.015	0.19	0.066	0.012	36.9	20.6	344	294	Trace flow.
2009	2	2	9:00 AM	646	<0.02	<0.02	<0.015	0.13	0.035	0.01	29.9	22.1	408	235	
2008	12	16	9:30 AM	369.9	<0.02	<0.02	<0.015	0.28	0.05	0.018	19.9	22.4	329	243	
2008	11	3	9:30 AM	729	<0.02	<0.02	<0.015	0.29	0.077	0.043	32.1	26.7	378	240	
2008	9	29	11:00 AM	776	<0.02	0.21	<0.015	1.77	0.326	0.097	123	34.9	179	140	DO was 7.21 at PB.
2008	8	26	9:15 AM	574	<0.02	<0.02	<0.015	<0.11	0.034	<0.005	23.9	23.6	269	154	
2008	7	22	9:30 AM	525	<0.02	<0.02	0.025	0.51	0.061	0.009	34.2	21.9	188	184	DO was 5.63 at PB.
2008	6	24	3:00 PM												
2008	6	17	10:30 AM	236.3	<0.02	0.13	<0.015	<0.11	0.133	0.039	7.3	4.8	111	96	
2008	5	13	9:30 AM	502	<0.02	0.14	<0.015	<0.11	0.056	0.026	20	17.1	241.8	214	
2008	4	8	11:00 AM	274.1	<0.02	0.22	0.023	0.55	0.367	0.138	10.3	12.8	114.1	123	Elevated flow.
2008	3	4	9:45 AM	141.4	<0.02	0.42	0.035	0.93	0.221	0.083	13.1	13	88.4	87	
2008	1	23	10:15 AM	716	<0.02	0.1	<0.015	<0.11	0.024	0.013	42.6	24.3	301.8	297	
2007	12	18	10:45 AM	622	<0.02	0.1	<0.015	<0.11	0.069	0.038	27.2	19.8	260	261	
2007	11	14	9:30 AM	447.7	0.1	<0.02	<0.015	0.2	0.1	0.046	18	17.5	249.6	244	
2007	10	16	10:30 AM	413.9	0.08	0.03	<0.015	<0.11	0.05	0.017	23.3	19.3	271.2	265	
2007	9	17	8:00 AM	518										161	
2007	9	11	12:30 PM		<0.02	0.2	0.022	0.57	0.132	0.06	16	12.3	122.5	134	
2007	9	7	1:00 PM												
2007	8	6	8:30 AM	716	<0.02	0.15	<0.015	0.31	0.065	0.008	47.5	137.6	290.2	268	DO was 4.43 at PB.
2007	7	3	3:00 PM												
2007	6	26	12:45 PM	479.5	<0.02	<0.02	<0.015	<0.11	0.049	0.017	19.4	15.9	214.6	211	
2007	5	30	12:00 PM	255.2	<0.02	0.11	<0.015	0.72	0.126	0.043	6.8	7	113.5	96	
2004	4	27	10:00 AM	288.2	<0.02	0.1	0.023	0.932	0.134	0.049	11.8	8.6	138.7	113	DO was 6.05 at PB.
2004	3	16	10:00 AM	572	<0.02	0.04	0.019	0.334	0.096	0.01	39.3	21.5	285	131	DO was 8.44 at PB.

2004	2	10	10:00 AM		<0.02	0.26	0.141	0.363	0.151	0.026	13	13.6	172.3	179	
2004	1	6	12:15 PM	593	<0.02	0.03	<0.015	<0.11	0.086	0.02	17.2	15.7	242.4	131	
2003	12	1	9:00 AM	324.8	<0.02	0.12	0.015	0.678	0.151	0.073	10.8	8.2	124.5	92	
2003	10	20	9:00 AM	266.4	<0.02	<0.02	0.055	0.515	0.141	0.047	8.2	5	104.4	63	
2003	9	22	9:30 AM	241.8	<0.02	0.19	<0.015	0.984	0.156	0.035	5.54	4.9	101.2	79	*Exceeded hold time.
2003	8	11	9:00 AM	313.3	0.03*	0.05*	0.042	0.823	0.153	0.067	4.7	7.2	102.6	111	*Exceede hold time. DO was 3.45 at PB.
2003	7	7	9:00 AM	258	0.1*	0.06*	0.032	0.585	0.11	0.025	5.9	5.4	120	76	*Exceeded hold time.
2003	6	2	9:30 AM	379.1	0.02*	0.32*	0.082	0.847	0.076	0.019	13.4*	7.6*	155.9*	94	*Exceeded hold time. DO was 4.6 at PB.
2003	4	29	9:40 AM	451.3	<0.02*	0.27*	0.018	0.495	0.011	0.011	17.1*	13.7*	205.8*	169	*Exceeded hold time. DO was 3.75 at PB.
2003	3	25	12:00 PM	481.8	<0.02*	0.46*	<0.015	0.171*	0.054*	<0.005*	17.1*	16.1*	201.2*	133	*Exceeded hold time. DO was 7.01 at PB.
2003	3	18	8:45 AM	620	<0.01*	0.1	<0.015	0.217	0.024	<0.005	21.8*	21.4	248.4	236	*Exceeded hold time.
2003	1	15	12:00 PM	475.2	<0.01	0.13	<0.015	<0.316	0.027	<0.005	14.9	16	196.9	141	
2002	12	2	8:45 AM	297	<0.01*	0.05	<0.015*	0.24	0.132	0.082	18.18*	14.29	211.7	104	*Exceeded hold time.
2002	11	5	12:00 PM	381.1	<0.01	0.66	<0.015	0.374	0.078	0.058	8.55	12.4	154	132	
2002	10	1	11:00 AM	242.6	<0.01	0.92	0.042	0.698	0.079	0.047	5.42	6.04	105.6	105	
2002	8	30	9:15 AM	246.4										78	DO was 5.5 at PT. DO was 5.6 at PB.
2002	8	27	10:45 AM	239	<0.01	0.51	0.315	1.303	0.092	<0.005	4.37	4.34	103.3	104	
2002	7	23	12:15 PM	412.1	<0.01	<0.01	0.183	0.837	0.076	0.05	22.44	22.25	150.1	121	DO was 3.21 at PB.
1997	11	17	2:00 PM												

IR WBID OK621200020020_00				OCC WBID OK621200-02-0020M				Doga Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.59512 Longitude -96.82592 (DOA-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	27	12:30 PM	2.862	9.2	8.56	12.7 R	400	246	30	26		5.55
2001	2	20	1:00 PM	1.721	6.6	8.19	12.07 R	100	100	100	10		29.7
2001	1	16	11:30 AM	0.78	1.4	7.25	13.92 R	70	110	300	6		7.78
2000	12	4	11:00 AM	0.063	3.7	6.37	14.47 R	300	189	120	6		5.12
2000	10	30	12:30 PM	0.311	19.9	7.61	3 R	300	158	1,200	<1		13.1
2000	9	25	10:45 AM	0	13	7.9	7.3 PT	600	860	260	32		7.68
2000	8	21	11:15 AM	0	26	6.3 PT		860	341		20		19.6
2000	7	17	10:30 AM	0.467	26.6	8.14	5.65 R				2		10.8
2000	6	12	11:30 AM	3.364	24.5	8.14	8.65 R	600			8		7.17
2000	5	8	11:20 AM	4.105	23	7.91	8.02 R	<100			12		11.6
2000	3	20	8:45 AM	17.669	7.3		10.95 R	100			18		26
2000	2	14	8:40 AM	1.204	3.9		10.89 R	<100			5		13
2000	1	10	9:00 AM	3.354	4.6		11.39 R	100			6		7.73
1999	12	6	11:50 AM	15.518				4,800					
1999	11	1	11:35 AM	4.023				2,300					
1999	9	27	12:30 PM	3.11				1,500					
1999	8	16	11:00 AM	0.296				100					
1999	7	12	1:00 PM	7.789				100					
1999	6	14	1:00 PM	8.861				900					
1999	5	17	2:45 PM	38.198				7,500					
1999	4	19	1:45 PM	9.485				4,200					

1999	2	23	11:30 AM	19												
1998	9	22	1:00 PM	0.103												
1997	11	18	12:00 PM	3.5												

Year	Month	Date	Time	Cond. μ S/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2001	3	27	12:30 PM	519			0.05	<0.05	0.45	0.014	0.01	10.8	22.9	212	207	
2001	2	20	1:00 PM	355.1			0.56	<0.05	0.67	0.063	0.019	7.5	25.9	167	158	
2001	1	16	11:30 AM	235.2			0.54	<0.05	0.64	0.05	0.008	12.2	20.8	8	181	
2000	12	4	11:00 AM	298.5			0.11	<0.05	0.36	0.051	0.005	10.1	13.2	220	190	
2000	10	30	12:30 PM	434.5			<0.05	<0.05	0.51	0.118	0.033	18.9	15.4	192	192	
2000	9	25	10:45 AM	557			<0.05	0.07	0.42	0.097	0.019	25.3	17.6	185		DO was 7.19 at PB.
2000	8	21	11:15 AM	507			0.08	<0.05	0.31	0.072	0.021	14.7	10.1	197	202	
2000	7	17	10:30 AM	517			0.13	<0.05	0.32	0.053	0.008	<5	13	210	252	DO was 5.72 in a RI.
2000	6	12	11:30 AM	523	<0.003	0.014		0.058	0.29	0.074	<0.003	12	20.9	236	285	
2000	5	8	11:20 AM	528	0.015	0.16		<0.01	0.76	0.061	0.007	13.5	2.63	232	260	
2000	3	20	8:45 AM	394	<0.003	<0.01		<0.015	0.56	0.05	0.008	10	5.82	178	149	DO was 11.47 in a RI.
2000	2	14	8:40 AM	637	<0.004	0.174		0.024	0.17	0.025	<0.005	17	26.5	264	228	DO was 11.19 in a RI.
2000	1	10	9:00 AM	615	<0.001	0.27		<0.01	0.27	0.023	0.006	12.5	20.6	286	145	DO was 11.44 in a RI.
1999	12	6	11:50 AM													
1999	11	1	11:35 AM													
1999	9	27	12:30 PM													
1999	8	16	11:00 AM													
1999	7	12	1:00 PM													

1999	6	14	1:00 PM													
1999	5	17	2:45 PM													
1999	4	19	1:45 PM													
1999	2	23	11:30 AM													
1998	9	22	1:00 PM													
1997	11	18	12:00 PM													

IR WBID OK621200010320_00				OCC WBID CCA12-052				Bug Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.4178 Longitude -96.54 (BUG-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	E. coli cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2012	4	18	11:30 AM	0	26.4	7.51	4.01 PT		5		22	656	25.9
2012	6	22	7:15 AM	0	23	7.16	4.06 PT						4.52

Bug Creek in Osage County is WBID # OK621200010320_00, not WBID # OK621200030320_00 as reported in the OCC data tables.

The lat/long coordinates reported here align with OK621200010320_00

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2012	4	18	11:30 AM	1,227	<0.02	<0.02	0.093	1.31	0.121	0.022	271.6	78.6	264	177	
2012	6	22	7:15 AM	675									209	209	

IR WBID OK621200040010_00				OCC WBID CCA12-024				Salt Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.6348 Longitude -96.7005 (SAC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2012	7	24	9:30 AM	0	29.7	7.54	4 PT		<5		<10	239	6.01
2012	6	18	8:00 AM	8.182	27.7	7.78	6.57 R						15.4

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2012	7	24	9:30 AM	428.2	<0.02	<0.02	<0.015	0.45	0.046	0.009	25.3	16.4	207	186	
2012	6	18	8:00 AM	400.3									136	164	

IR WBID OK621200040010_00				OCC WBID OK621200-04-0010F				Salt Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.56488889 Longitude -96.68883333 (SAC-2)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2014	4	29	5:00 PM	8.127	17.7	8.21	8.79 R				22	380	19.2
2014	3	24	5:00 PM	17.565	13.2	8.21	10.85 R				<10	360	13.4
2014	2	19	4:00 PM	16.869	8.4	7.87	13.69 R				<10	350	6.13
2014	1	14	3:00 PM	53.022	4.4	8.05	14.02 R				<10	360	4.27

2013	12	3	9:30 AM	71.431	7	7.64	11.09 R				<10	330	11.1
2013	10	13	2:15 PM	13.352	14.1	7.98	6.61 R				<10	300	12.9
2013	9	17	3:45 PM	13.703	24.2	7.64	5.71 R		520		37	250	39.8
2013	8	13	2:00 PM		26.2	7.64	6.75 R		>2,500		375	425	465
2013	7	8	4:15 PM		29.8	7.97	9.59 PT		15		<10	260	11.6
2013	7	2	11:45 AM						95				17.9
2013	6	4	3:30 PM	221.89	24.7		8.25 R		20		24	223	40.3
2013	4	30	1:00 PM	41.182	21.3	8.01	9.77 R				19	257	44.9
2013	3	25	3:00 PM	5.774	8.7	7.81	13.38 R				<10	359	4.39
2013	2	19	2:30 PM	0	10.5	7.43	11.75 PT				<10	421	15.6
2013	1	23	9:30 AM	0	3.1	6.88	9.92 PT				<10*	236*	4.94
2012	12	11	9:00 AM		3	7.8	11.79 R				<10	427	8.05
2012	10	30	9:00 AM		9.3	7.48	7.11 PT				<10	373	6.68
2012	9	25	9:00 AM	0	21.2	7.93	8.61 PT		5		<10	220	21.6
2012	8	21	1:00 PM	0	26.4	8.07	11.77 PT		5		36	272	41.3
2012	8	14	8:30 AM	0					10				
2012	7	24	7:30 AM	0	27.9	7.41	3.87 PT		<5		27	305	5.99
2012	6	20	8:00 AM	7.061	27	7.69	5.7 R						22.8
2012	6	12	2:30 PM	7.698	27.4	8.04	8.58 R		35		15	232	19.7
2009	4	13	10:30 AM		10.8	8.02	8.49 R				362	260	362
2009	3	2	11:30 AM	15.755	6.3	8.2	11.17 R				<10	302	14.6
2009	2	2	10:00 AM	8.171	3.4	8	12.93 R				<10	311	5.79
2008	12	16	11:00 AM	9.948	1.9	8.02	11.97 R				<10	431	4.03
2008	11	3	10:30 AM	21.034	15	7.86	9.14 R				<10	249	11.5
2008	9	29	11:30 AM	0	22	7.84	6.9 PT		60	20	<10	205	8.9
2008	8	26	10:30 AM	7.581	24.1	7.69	6.18 R		20	100	<10	167	10.3
2008	7	22	10:30 AM	19.608	29.6	7.19	7.12 R		10	<5	<10	236	5.18
2008	6	24	3:15 PM						40	40			
2008	6	17	11:00 AM		21.3	7.2	7.09 R		6,800	9,600	249	149	137
2008	5	13	10:15 AM	200.81	19	7.81	8.37 R		220	220	30	281	109

2008	4	8	12:30 PM		13.2	8.16	9.78 R		1,560	>2,000	<10	518	119
2008	3	4	11:00 AM		6.1	7.43	11.49 R				196	216	222
2008	1	23	11:45 AM	58.876	0.7	8.13	14.65 R				<10	340	4.73
2007	12	18	12:30 PM	89.562	2.4	8.17	14.34 R				<10	312	5.73
2007	11	14	10:30 AM	35.319	14.5		9.9 R				10	333	6.07
2007	10	16	11:15 AM	5.984	18.9		7.2 R				<10	667	14.3
2007	9	19	9:00 AM	8.566	23.8	7.69	7.65 R						193
2007	9	11	1:45 AM	48.748	24.2	8.01	8.55 R		60	160	39	273	22.5
2007	8	6	9:30 AM	26.915	29	8.01	6.12 R		<10	10	22	430	13.6
2007	7	3	2:30 PM	0					380	130			
2007	6	26	1:30 PM		26.7	7.57	6.44 R		1,480	>2,000	263	28	30
2007	5	30	12:30 PM		22	7.52	7.3 R		420	180	39	241	38
2004	6	1	10:30 AM	16.846	24.4	8.12	7.68 RI		10	40	22	317	29.5
2004	4	27	11:00 AM	0	17.9	8.08	7.76 PT		360	180	47	239	55.5
2004	3	16	10:45 AM	0	11.5	8.39	8.02 PT				<10	334	14.7
2004	2	10	11:30 AM	44.023	1.6	8.33	11.81 RI				27	373	165
2004	1	6	1:30 PM	15.086	3.1		12.48 RI				<10	291	9.09
2003	12	1	10:00 AM	15.501	5.6	8.15	13.22 RI				12	284	10.6
2003	10	20	10:00 AM	12.066	16.7	7.99	8.18 RI		120	90	24	238	22.6
2003	9	22	10:30 AM	9.644	20.8	7.79	7.35 RI		130	70	17*	260*	33
2003	8	11	9:30 AM	1.973	27.2	8.48	5.4 RI		<20	<20	49*	164*	66.9
2003	7	7	10:30 AM	13.942	29.1	8.25	5.9 RI		<10	<10	41*	199*	39.3
2003	6	2	10:35 AM	3.797	22.4	8.19	6.31 RI		>3,000	>3,000	358	117	21.1
2003	4	29	10:30 AM	0	19.4	8.28	5.39 PT		40	20	10*	281*	51.9
2003	3	25	1:00 PM	0	15.8	8.5	7.93 PT				21*	288*	29.9
2003	2	18	10:00 AM	7.658	5.3	8.49	9.64 RI				<10*	361	15.5
2003	1	15	10:00 PM	9.34	2.6	8.5	7.66 RI				10	321	6.36
2002	12	2	9:30 AM	4.446	5.5	7.98	11.9 RI				10	374	3.29
2002	11	5	1:30 PM	10.89	9.1	8.04	7.49 RI				<10	303	8.2
2002	10	1	11:30 AM	4.952	25.4	8.29	9.89 RI		80	<20	29	210	62.5

2002	9	18	10:30 AM	0.657	25.1	8.09	8.17 RI							40.5
2002	8	27	12:00 PM	2.032	28.3	7.07	6.96 RI		>1,600	190	33	124	80.1	
2002	7	23	1:00 PM	0.579	31.7	7.37	6.69 RI		50	10	11	301	23.2	
2002	7	17	10:00 AM											

Year	Month	Date	Time	Cond. $\mu\text{S/cm}$	NO_2^- mg/L	NO_3^- mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCO_3	Alk. mg/L	Comments
2014	4	29	5:00 PM	603	<0.02	<0.02		0.5	0.072	0.032	63.2	20.4	294	228	
2014	3	24	5:00 PM	548	<0.02	<0.02		0.35	0.053	0.016	49	20.2	345	241	
2014	2	19	4:00 PM	598	0.11	<0.02		0.37	0.038	0.006	49.7	20.7	293	281	
2014	1	14	3:00 PM	591	0.05	<0.02		0.21	0.023	<0.005	42.7	19.2	368	245	
2013	12	3	9:30 AM	559	<0.02	0.05		0.27	0.05	0.029	32.3	15.3	286	231	
2013	10	13	2:15 PM	475.5	<0.02	<0.02		0.38	0.04	0.02	34.4	18.3	239	186	
2013	9	17	3:45 PM	400.1	<0.02	0.18	0.017	0.66	0.11	0.058	19.2	12.6	189	177	
2013	8	13	2:00 PM	204.7	<0.02	0.1	<0.015	1.99	0.452	0.22	7.6	5.7	149	130	High flow.
2013	7	8	4:15 PM	336.4	<0.02*	<0.02*	0.015	0.42	0.048	0.005	31.4	16	212	174	*Exceeded hold time. Base flow.
2013	7	2	11:45 AM												Base flow.
2013	6	4	3:30 PM	367.4	<0.02	0.37	<0.015	0.56	0.082	0.049	17.7	12.9	198	63	
2013	4	30	1:00 PM	433.6	<0.02	<0.02		0.56	0.057	0.013	29.8	20	194	163	
2013	3	25	3:00 PM	527	<0.02	<0.02		0.57	0.056	0.011	37.8	21	288	196	
2013	2	19	2:30 PM	790	<0.02	0.03		0.77	0.055	0.008	74	34.8	303	211	
2013	1	23	9:30 AM	820	<0.02	0.09		0.73	0.052	0.005	80.4	18	411	301	*Exceeded hold time.
2012	12	11	9:00 AM	618	<0.02	<0.02		0.76	0.058	0.01	79.1	14.9	594	243	Trace flow.
2012	10	30	9:00 AM	647	<0.02	<0.02		0.87	0.077	0.007	39	20.3	380	260	No flow.
2012	9	25	9:00 AM	572	<0.02	<0.02		1.52	0.107	0.009	39.3	20.9	219	191	
2012	8	21	1:00 PM	467.1	<0.02	<0.02	<0.015	1.51	0.157	0.032	35.5	16.7	284	176	

2012	8	14	8:30 AM													
2012	7	24	7:30 AM	558	<0.02	<0.02	<0.015	0.6	0.056	0.013	33.5	18.3	248	208		
2012	6	20	8:00 AM	397									179	174		
2012	6	12	2:30 PM	350	0.25	<0.02	<0.015	0.87	0.063	0.01	14	10.8	141	112		
2009	4	13	10:30 AM	382.9	<0.02	0.39	<0.015	1.5	0.331	0.109	15.1	9.1	159	88	High flow.	
2009	3	2	11:30 AM	506	<0.02	<0.02	<0.015	0.38	0.053	0.01	30.8	17.9	259	196		
2009	2	2	10:00 AM	548	<0.02	0.04	<0.015	0.24	0.038	0.009	24.6	14.8	355	208		
2008	12	16	11:00 AM	2,962	<0.02	<0.02	<0.015	0.25	0.046	0.016	79	30.7	363	203		
2008	11	3	10:30 AM	448.9	<0.02	<0.02	<0.015	0.23	0.036	0.013	21.6	14.1	327	217		
2008	9	29	11:30 AM	360.4	<0.02	<0.02	<0.015	<0.11	0.044	0.018	12.8	10.7	191	133		
2008	8	26	10:30 AM	244	<0.02	<0.02	<0.015	<0.11	0.035	0.006	5.4	7.4	137	161		
2008	7	22	10:30 AM	419.6	<0.02	<0.02	<0.015	0.13	0.029	0.006	15.2	12	179	144		
2008	6	24	3:15 PM													Elevated flow.
2008	6	17	11:00 AM	205.7	<0.02	0.09	<0.015	<0.11	0.222	0.056	5.5	3.5	101	95	High flow.	
2008	5	13	10:15 AM	452.1	<0.02	0.27	<0.015	<0.11	0.061	0.034	17.2	14.2	241.6	128		
2008	4	8	12:30 PM	439.8	<0.02	<0.02	<0.015	<0.11	0.024	0.008	84	51.5	363.4	193		
2008	3	4	11:00 AM	201.3	<0.02	0.28	0.03	0.83	0.243	0.093	15.7	14.7	137.5	141	High flow.	
2008	1	23	11:45 AM	578	<0.02	0.13	<0.015	<0.11	0.025	0.012	30.9	20.9	264.7	252		
2007	12	18	12:30 PM	533	<0.02	0.09	<0.015	<0.11	0.032	0.014	24.5	19.1	239.8	223		
2007	11	14	10:30 AM	540	0.1	<0.02	<0.015	<0.11	0.051	0.011	18.6	17.8	253	238		
2007	10	16	11:15 AM	388.5	0.35	0.03	<0.015	<0.11	0.066	0.012	152.2	55.5	411.8	216		
2007	9	19	9:00 AM	277.2										187	DO was 7.78 in a RI and 1.43 at PB.	
2007	9	11	1:45 AM		<0.02	0.23	<0.015	0.28	0.073	0.017	24.7	19.9	208.1	196		
2007	8	6	9:30 AM	797	<0.02	<0.02	<0.015	0.17	0.053	0.008	72.6	42.6	264.2	205		
2007	7	3	2:30 PM													
2007	6	26	1:30 PM	433.5	<0.02	0.1	<0.015	<0.11	0.063	0.031	14.2	12.2	210.1	206	Elevated flow.	
2007	5	30	12:30 PM	389.5	<0.02	0.1	<0.015	0.35	0.017	0.071	16.3	11.8	179	166	Elevated flow.	
2004	6	1	10:30 AM	507	<0.02	<0.02	<0.015	0.35	0.095	0.018	23.7	14.6	223.1	103		
2004	4	27	11:00 AM	354.7	<0.02	0.22	0.027	0.573	0.14	0.014	17.8	10.2	180.3	121	DO was 6.96 at PB.	

2004	3	16	10:45 AM	445.2	<0.02	0.16	0.031	0.357	0.106	0.017	23.5	17.2	262.5	197	DO was 7.88 at PB.
2004	2	10	11:30 AM		<0.02	0.25	<0.015	0.376	0.089	0.014	99	31.3	212.7	183	
2004	1	6	1:30 PM	620	<0.02	0.04	<0.015	<0.11	0.069	0.014	29.9	16.7	259.2	184	
2003	12	1	10:00 AM	552	<0.02	0.06	<0.015	0.303	0.088	0.023	33.7	14.2	214.9	98	
2003	10	20	10:00 AM	451.4	<0.02	0.06	0.036	0.4	0.116	0.024	42.9	8	155.2	118	
2003	9	22	10:30 AM	450.4	<0.02	<0.02	<0.015	0.518	0.12	0.025	3.1	8.2	147.4	156	*Exceeded hold time.
2003	8	11	9:30 AM	303	0.02*	0.04*	0.105*	0.758*	0.178*	0.047*	13.1*	9.5*	118.4*	98	*pH was adjusted.
2003	7	7	10:30 AM	345.5	0.06*	0.03*	0.017	0.473	0.093	0.026	16	7.2	169.8	97	*Exceeded hold time.
2003	6	2	10:35 AM	341.8	0.02*	0.57*	0.031	1.264	0.318	0.128	1.9*	4.9*	63.2*	103	*Exceeded hold time.
2003	4	29	10:30 AM	391.6	0.02*	0.26*	<0.015	0.331	0.086	<0.005	23.5*	15*	233.1*	171	*Exceeded hold time. DO was 4.01 at PB.
2003	3	25	1:00 PM	497.8	<0.02*	0.72*	<0.015	0.257*	0.031	0.017	24.7*	16.7*	211.8*	101	*Exceeded hold time. DO was 7.1 at PB.
2003	2	18	10:00 AM	690	<0.01*	0.19	<0.015	0.121	0.035	<0.005	56.9*	25.1	228.7	181	*Exceeded hold time.
2003	1	15	10:00 PM	688	<0.01	0.13	<0.015	<0.173	0.016	<0.005	56	23.2	258.8	101	
2002	12	2	9:30 AM	406.2	<0.01*	0.09	<0.015*	0.166	0.05	0.024	56.54*	23.03	270.2	116	*Exceeded hold time.
2002	11	5	1:30 PM	540	<0.01	0.64	<0.015	0.244	0.023	0.017	38.05	18.79	211.3	146	
2002	10	1	11:30 AM	375.8	<0.01	0.84	0.06	0.494	0.084	0.035	27.31	12.19	143	118	
2002	9	18	10:30 AM	347										206	DO was 7.55 at PT and 5.46 at PB.
2002	8	27	12:00 PM	455.8	0.18	0.6	0.281	1.039	0.055	<0.005	3.9	9.44	65.11		
2002	7	23	1:00 PM	526	<0.01	<0.01	0.13	0.82	0.071	0.033	28.57	15.18	209.6	110	
2002	7	17	10:00 AM	495											Base flow.

IR WBID OK621200040010_10				OCC WBID CCA12-040				Salt Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.8332 Longitude -96.6385 (SAC-3)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2012	8	14	10:00 AM	0	24.2	7.39	4.61 PT		1,140		38	222	24.4
2012	7	30	8:30 AM	0	26.1	7.42	4.44 PT						30.1

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2012	8	14	10:00 AM	356.2	<0.02	<0.02	<0.015	0.76	0.089	0.015	4.5	7.4	187	184	
2012	7	30	8:30 AM	287.3									125	151	

IR WBID OK621200040010_10				OCC WBID OK621200-04-0010J				Salt Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.7519 Longitude -96.6725 (SAC-4)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	6	26	10:30 AM		24.2	7.81	6.89 R		<1		50	130	69.7
2018	5	30	10:00 AM		26.3	7.99	4.62 R		50		13	250	17.3
2018	4	23	1:00 PM		13.1	8.02	9.87 R				32	230	51.1
2018	3	19	1:00 PM	6.214	12	8.24	7.99 R				<10	300	5.1

2018	2	13	12:30 PM	1.034	4.3	8.27	13.04 R				<10	310	4.57
2018	1	16	1:00 PM		1.4	7.85	13.99 R				<10	330	3.01
2018	1	9	11:30 AM										4.91
2017	12	11	12:30 PM	10.231	4.6	7.71	12.81 R				<10	270	2.12
2017	10	30	1:00 PM	15.625	11	8.02	9.88 R				<10	230	5.57
2017	9	25	1:00 PM	0	26.1	8.07	5.49 PT		140		<10	170	12.6
2017	9	11	11:30 AM						20				8.64
2017	8	21	1:00 PM		28.8	8.22	6.65 R		20		10	170	12.8
2017	8	7	11:30 PM						2,000				85.1
2017	7	20	7:30 AM	0.1	29.5	8.35	6.35 PT						6.83
2017	7	17	12:00 PM	0.1	28.2	7.71	4.56 R		<1		<10	220	12.2
2017	6	13	11:00 AM	1.808	27.3	7.91	5.85 R		60		<10*	210*	6.39
2017	5	15	11:15 AM						60*				11.4
2017	3	20	2:30 PM										
2001	3	19	3:15 PM	83.404	10.4	8.41	12.02 R	70	30	130	42		22.7
2001	2	12	4:00 PM	96.969	4.6	8.05	11.6 R	1,900	3,076	4,000	36		50
2001	1	8	4:45 PM	91.96	0.4	8.85	13.29 R	800	1,259	31,000	12		11.3
2000	11	27	3:15 PM	2.492	7.3	7.91	12.12 RI	134	50	50	5		4.51
2000	10	23	3:30 PM	0	21.1	7.3	5.25 PT	800	860	7,000	<1		6.65
2000	9	18	3:00 PM	0	21.3		7.84 PT	90	20	150	6		7.17
2000	8	14	3:15 PM	0.144	31.2	6.9	9.45 R	<10	<10		2		7.37
2000	7	10	1:45 PM	8.901	30.1	8.09	7.33 RI	40			12		9.08
2000	6	9	9:00 AM	2.537	24.6	8.02	5.73 R						12
2000	6	5	2:30 om	10.369	25.6	8.03	8.24 RI	<100			18		9.97
2000	5	1	4:15 PM	149.04	19.5	8.03	7.56 R	7,000			33		22.2
2000	3	20	11:10 AM	87.311	8.6		11.28 R	1,000			40		31.1
2000	2	14	11:05 AM	4.045	5.4		11.06 R	<100			4.5		5.98
2000	1	10	11:00 AM	4.016	4.8		11.19 R	<100			15		5.91
1999	12	6	2:00 PM	106.94				8,000					

1999	11	1	1:30 PM	23.191					2,500							
1999	9	27	2:45 PM	10.543					300							
1999	8	16	1:00 PM	0.089					100							
1999	7	12	4:00 PM	47.865					300							
1999	6	14	3:55 PM	8.177					100							
1999	5	17	5:15 PM	106.63					400							
1999	4	19	4:30 PM	29.157					4,600							
1999	2	24	2:00 PM	15												
1997	11	19	8:30 AM	8												

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NO ₃ ⁻ /NO ₂ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	6	26	10:30 AM	226.8	<0.02	0.15		0.025	0.959	0.194	0.107	3.7	4.3	133	114	High flow.
2018	5	30	10:00 AM	427.2	<0.02	<0.02			0.6	0.062	0.023	9.8	9.2	227	265	Elevated flow.
2018	4	23	1:00 PM	329.7	<0.02	0.2			1.12*	0.138	0.081	10	12.8	212	168	*Exceeded hold time. High flow.
2018	3	19	1:00 PM	491.1	<0.02	<0.02			0.3	0.024	0.01	12.6	14.6	418	280	
2018	2	13	12:30 PM	504.4	<0.02	<0.02			0.21	0.022*	0.007*	15.9	13.2	476	278	*Exceeded hold time.
2018	1	16	1:00 PM	580.5	<0.02	<0.02			0.12	0.018	0.012	14.3	14.1	381	289	Base flow.
2018	1	9	11:30 AM													Base flow.
2017	12	11	12:30 PM	469.8	<0.02	<0.02			0.14	0.026	0.017	10.9	12.6	352	229	
2017	10	30	1:00 PM	438.3	0.12	0.13			0.32	0.046	0.028	7.4	8.3	288	249	
2017	9	25	1:00 PM	378.1	<0.02	<0.02		<0.015	0.54	0.044	0.009	9.2	6.8	210	199	
2017	9	11	11:30 AM													Low flow.
2017	8	21	1:00 PM	334.9	<0.02	<0.02		<0.015	0.52	0.054	0.013	5.5	9.5	223	196	Elevated flow.
2017	8	7	11:30 PM													High flow.
2017	7	20	7:30 AM	334.9											135	

2017	7	17	12:00 PM	372.8	<0.02	<0.02		<0.015	0.53	0.04	0.011	14.3	9.2	168	185	
2017	6	13	11:00 AM	408.7	<0.02	<0.02		<0.015	0.38	0.033	0.011	9.6	10.4	178	149	*Exceeded hold time.
2017	5	15	11:15 AM													*Exceeded hold time. Elevated flow.
2017	3	20	2:30 PM	481.4												Base flow.
2001	3	19	3:15 PM	363.8			0.09	<0.05	0.35	0.039	0.025	5.1	18.9	169	168	
2001	2	12	4:00 PM	303.6			0.77	0.08	0.61	0.121	0.074	5.5	26.4	144	116	
2001	1	8	4:45 PM	222.7			0.44	0.06	0.49	0.09	0.04	<5	16.6	257	173	
2000	11	27	3:15 PM	228.4			<0.05	<0.05	0.13	0.056	0.011	<5	17.1	164	148	
2000	10	23	3:30 PM	270.7			<0.05	<0.05	0.52	0.077	0.035	10.8	8.2	134	120	
2000	9	18	3:00 PM	323.1			<0.05	0.09	0.4	0.038	0.01	12.1	7.6	141	121	
2000	8	14	3:15 PM	422.7			<0.05	<0.05	0.34	0.05	0.012	6.8	11.8	182	38	
2000	7	10	1:45 PM	505			<0.05	<0.05	0.41	0.062	0.016	<5	11	217	232	
2000	6	9	9:00 AM	418.9											194	DO was 6.7 in a RI.
2000	6	5	2:30 om	625	<0.004	0.056		<0.007	0.41	0.103	0.017	11	2.24	210	207	
2000	5	1	4:15 PM	454.3	<0.004	0.05		<0.01	0.37	0.072	<0.005	29	4.34	230	232	
2000	3	20	11:10 AM	368	<0.004	0.129		<0.019	0.52	0.085	0.032	7.5	6.34	192	200	DO was 11.41 in a RI.
2000	2	14	11:05 AM	516	<0.001	<0.01		0.02	0.11	0.025	<0.005	11	20	254	181	DO was 11.03 in a RI.
2000	1	10	11:00 AM	490	<0.005	<0.05		<0.012	0.17	0.025	<0.005	10	15.7	250	196	DO was 11.49 in a RI.
1999	12	6	2:00 PM													
1999	11	1	1:30 PM													
1999	9	27	2:45 PM													
1999	8	16	1:00 PM													
1999	7	12	4:00 PM													
1999	6	14	3:55 PM													
1999	5	17	5:15 PM													
1999	4	19	4:30 PM													
1999	2	24	2:00 PM													
1997	11	19	8:30 AM													

IR WBID OK621200040070_00				OCC WBID OK621200-04-0070C				Little Chief Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.6515 Longitude -96.6991 (LCC-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2001	3	19	2:15 PM	15.657	9.5	8.29	11.42 R	10	10	80	20		8.3
2001	2	12	3:00 PM	28.592	5.5	8.27	11.88 R	8,000	3,654	4,000	22		35.6
2001	1	8	3:45 PM	25.192	0.8	7.4	13.45 R	22,000	24,192	561,000	26		28.8
2000	11	27	2:30 PM	0	7.5	7.88	13.52 PT	<10	<10	<10	3		3.13
2000	10	23	2:40 PM	0	22.4	8.28	10.72 PT	1,400	10	130	<1		11
2000	9	18	2:00 PM	0	25.8		10.95 PT	<10	<10	<10	2		
2000	8	14	2:30 PM	0	29.6	8.01	8.45 PT	20	20		2		4.26
2000	7	10	1:00 PM	2.002	30.9	8.01	6.87 R	20			11		3.93
2000	6	5	1:30 PM	4.29	25.5	7.8	7.53 R	<100			15		7.49
2000	5	1	3:00 PM	46.035	18.5	8	8.92 R	5,000			32		32.3
2000	3	20	9:50 AM	33.309	7.8		11.37 R	600			11		13.4
2000	2	14	10:00 AM	3.871	2.1		10.88 R	<100			11.5		10.3
2000	1	10	9:50 AM	6.626	6		11.04 R	<100			7		9.33
1999	12	6	1:05 PM	29.85				<100					
1999	11	1	12:45 PM	5.078				1,400					
1999	9	27	1:45 PM	5.28				<100					
1999	8	16	12:15 PM	0				<100					
1999	7	12	2:35 PM	12.828				300					
1999	6	14	2:30 PM	14.088				100					

1999	5	17	5:00 PM	39.692					6,000							
1999	4	19	3:15 PM	5.533					1,800							
1999	2	24	2:45 PM	14												
1998	9	23	2:00 PM	4.56												
1997	11	17	11:00 AM	3												

Year	Month	Date	Time	Cond. $\mu\text{S}/\text{cm}$	NO_2^- mg/L	NO_3^- mg/L	$\text{NO}_3^-/\text{NO}_2^-$ mg/L	NH_3 mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl^- mg/L	SO_4^{2-} mg/L	T. Hardness mg/L CaCo ₃	Alk. mg/L	Comments
2001	3	19	2:15 PM	613			0.12	<0.05	<0.05	0.011	0.01	56.5	28.3	226	208	
2001	2	12	3:00 PM	457.8			0.56	<0.05	0.33	0.061	0.037	38.6	26.1	198	154	
2001	1	8	3:45 PM	318.5			1.04	0.19	1.12	0.112	0.059	71	27.7	277	148	
2000	11	27	2:30 PM	420.3			0.25	<0.05	0.11	0.031	<0.005	51.1	24.3	238	182	
2000	10	23	2:40 PM	679			0.11	<0.05	0.38	0.031	0.006	116	45.1	203	154	
2000	9	18	2:00 PM	773			<0.05	<0.05	0.33	0.02	0.005	139	33.3	156		
2000	8	14	2:30 PM	681			0.05	<0.05	0.29	0.02	0.005	67.5	21.6	215	158	
2000	7	10	1:00 PM	627			<0.05	<0.05	0.27	0.017	<0.005	33.7	13.8	217	238	
2000	6	5	1:30 PM	789	<0.005	<0.04		<0.004	<0.1	0.075	0.012	35	19.3	218	221	
2000	5	1	3:00 PM	540	<0.004	<0.01		<0.01	0.58	0.068	<0.005	9	29	222	227	
2000	3	20	9:50 AM	519	<0.002	<0.01		<0.016	0.32	0.035	<0.003	40	3.36	240	217	DO was 11.43 in a RI.
2000	2	14	10:00 AM	723	<0.001	<0.01		0.025	<0.1	0.017	<0.001	58	32.9	278	208	DO was 11.04 in a RI, 9.46 at PT and 9.31 at PB.
2000	1	10	9:50 AM	678	<0.005	<0.035		<0.015	0.16	0.011	<0.002	46	24.6	276	212	DO was 11.06 in a RI.
1999	12	6	1:05 PM													
1999	11	1	12:45 PM													
1999	9	27	1:45 PM													
1999	8	16	12:15 PM													

1999	7	12	2:35 PM														
1999	6	14	2:30 PM														
1999	5	17	5:00 PM														
1999	4	19	3:15 PM														
1999	2	24	2:45 PM														
1998	9	23	2:00 PM														
1997	11	17	11:00 AM														

IR WBID OK621200040190_00				OCC WBID OK621200-04-0190C				Potato Creek			
Sampling Agency: Oklahoma Conservation Commission - Blue Thumb								County: Osage			
Sampling Location: Latitude 36.77902 Longitude -96.61567 (POT-1)											
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	Comments
2010	2	11	2:55 PM		4						Flow is slightly elevated.

IR WBID OK621210000050_10				OCC WBID OK621210-00-0050L				Beaver Creek					
Sampling Agency: Oklahoma Conservation Commission								County: Osage					
Sampling Location: Latitude 36.8982 Longitude -96.7266 (BEA-1)													
Year	Month	Date	Time	Flow (cfs)	Temp., Water (°C)	pH	DO mg/L	F. Coliform cfu/100 ml	<i>E. coli</i> cfu/100 ml	Enterococcus cfu/100 ml	TSS mg/L	TDS mg/L	Turb. NTU
2018	6	26	12:00 PM		23.7	7.94	7.51 R		<1		92	180	118
2018	5	30	11:05 AM		26	7.99	5.85 R		400		32	260	33.8
2018	4	25	3:00 PM		13.8	7.97	9.19 R				62	270	776
2018	3	19	3:00 PM	0.1	11.3	8.21	6.91 R				40	330	42.7
2018	2	13	2:30 PM	0	5.7	8.23	13.46 PT				<10	330	6.13

2018	1	16	2:30 PM	0	4.5	7.69	14.04 PT				<10	280	7.79
2018	1	9	12:30 PM	0									
2017	12	11	3:00 PM	0.1	6.1	7.44	9.35 R				<10	230	9.38
2017	10	30	3:00 PM	0.1	11.3	7.92	8.34 R				<10	210	13.4
2017	9	25	3:00 PM	0	25.8	8.01	5.47 PT		<20		12	190	19.9
2017	9	11	12:00 PM	0					80				22.1
2017	8	21			27.8	7.89	5.21 R		100		16	160	28.5
2017	8	7	12:00 PM						3,000				178
2017	7	19	8:00 AM	0.1	27.1	8.6	3.31 R						6.74
2017	7	17	1:30 PM		29.8	7.85	4.32 R		60		<10	250	15.5
2017	6	13	1:00 PM		27.4	7.92	5.6 R		<1		22*	260*	23.8
2017	5	15	11:30 AM						190*				13.2
2017	3	20	3:30 PM										
2014	4	29	12:15 PM	5.14	15.4	8.07	7.84 R				17	290	19.7
2014	3	24	12:15 PM	2.07	11.7	8.33	10.12 R				<10	310	14.6
2014	2	19	11:45 AM	1.293	6.6	8.32	13.56 R				<10	320	12.7
2014	1	14	11:30 AM	4.51	2.7	7.54	12.92 R				<10	310	6.43
2013	12	3	12:15 PM	3.698	6.4	7.53	10.33 R				<10	250	15.5
2013	10	22	11:00 AM	0.1	12.3	7.27	6.05 R				<10	200	28.5
2013	9	17	12:15 PM	0.1	22.7	7.63	5.65 R		250		17	260	22.7
2013	8	13	10:30 AM		25.2	7.68	6.83 R		1,300		65	189	66.1
2013	7	8	12:45 PM		27.1	7.85	7.34 PT		30		37	236	42.9
2013	7	2	10:00 AM	0					5				31.2
2013	6	4	11:15 AM	14.251	22.1		7.16 R		120		29	184	48.7
2013	4	30	10:00 AM	56.225	18.5	7.8	8.63 R				15	224	52.7
2013	3	25	11:30 AM	0	4.9	7.93	11.79 PT				<10	250	41.6
2013	2	19	11:30 AM	0	8.4	7.39	10.15 PT				32	179	47.7
2013	1	23	12:50 pm	0	5.5	7.08	10.38 PT				<10*	207*	20.1
2012	12	11	12:30 PM	0	5.9	6.62	4.87 PT				<10	226	15.5
2012	10	30	12:00 PM		11.2	7.18	3.44 PT				28	214	41.8

2012	9	25	12:30 PM	0	21.5	8.11	6.85 PY		440		94	186	105
2012	8	21	10:30 AM	0	22.2	7.72	4.65 PT		25		41	244	15.1
2012	8	14	9:30 AM	0					5				
2012	7	24	11:30 AM	0	28.4	7.82	3.51 PT		25		25	215	47.2
2012	7	12	8:00 AM	0	25.2	7.28	3.34 PT						45.4
2012	6	12	11:00 AM		25	7.63	3.77 R		40		33	215	60.8
2009	7	27	8:30 AM	0.898	24.6	7.92	5.8 R						39.1
2009	4	13	12:45 PM		8.8	8.14	10.14 R				286	207	347
2009	3	2	3:00 PM	8.721	5.2	8.25	10.29 R				<10	299	6.41
2009	2	2	1:30 PM	14.868	3.1	7.93	15.4 R				<10	319	5.26
2008	11	3	1:30 PM	10.631	14	7.63	7.19 R				15	245	25.1
2008	9	29	2:00 PM	0	22	7.83	7.52 PT		40	80	17	242	19.2
2008	8	26	1:00 PM		24.4	7.55	5.95 R		100	460	11	224	19.9
2008	7	22	2:30 PM		28.9	7.56	8.49 R		90	370	<10	299	15.1
2008	6	24	2:30 PM						60	340			
2008	6	17	9:30 AM		20.7	7.55	7.29 R		5,800	6,900	93	162	94.1
2008	5	13	9:15 AM		17.4	7.87	8.6 R		340	20	17	281	22.4
2008	4	7	9:00 AM	27.267	13.7	7.63	7.08 R		10	10	18	280	25.3
2008	3	3	3:00 PM		6.3	7.67	10.59 R				622	233	714
2008	1	23	11:00 AM	12.638	0.6	8.07	14.26 R				<10	299	11
2007	12	17	3:30 PM		1	6.93	14.35 R				<10	271	17.4
2007	11	13	3:30 PM	14.488	14.2	7.84	9.21 R				15	297	14.3
2007	10	15	4:30 PM	6.602	18.3	7.83	7.82 R				42	203	28.3
2007	9	10	4:00 PM	14.115	25.1	7.03	6.69 R		280	540	24	231	35.5
2007	8	15	2:30 PM	0									
2007	7	30	4:10 PM	0	29.2	8.18	7.1 PT		220	150	30	287	32.9
2007	6	25	4:00 PM		26.9	7.87			1,520	920	37	219	57
2007	5	29	4:30 PM		21.7	7.78	7.42 R		720	310	29	190	50.4
2004	6	1	12:30 PM	5.016	23.8	8.12	8.22 RI		150	30	27	342	20.6
2004	4	26	3:30 PM	0	17.7	8.29	7.71 PT		350	310	51	215	179

2004	3	15	3:15 PM	22.495	11.5	8.25	10.23 R					20	339	21.7
2004	2	9	4:00 PM	33.792	1.7	8.37	13.31 RI					<10	245	29
2004	1	6	9:30 AM	5.941	2.6		12.02 RI					19	303	12
2003	12	1	1:00 PM	4.52	5.7	8.09	11.7 RI					<10	308	10.6
2003	10	30	9:00 AM	2.497	14	7.66	7.59 R							7.18
2003	10	20	1:00 PM	3.982	16	7.96	7.69 RI		70	70		<10	248	10.9
2003	9	22	1:30 PM	0	20	6.76	5.46 PT		130	160		27*	170	32.7
2003	8	11	12:50 PM	0	26.2	8.28	2.33 PT		60	200		21*	219*	33.3
2003	7	7	1:30 PM	0	28.5	8.13	5.09 PT		20	<10		18*	267*	66.2
2003	6	2	2:00 PM	142.31	22	8.25	7.5 R		>3,000	>3,000		207	217	254
2003	4	28	4:30 PM	25.959	22.8	8.68	6.99 RI		140	120		18*	272*	32.1
2003	3	25	9:00 AM	155.4	15	8.55	4.72 R					28*	255*	
2003	2	18	12:30 PM	0	5.8	8.06	5.02 PT					<10*	242	16.6
2003	1	15	9:45 AM	0	3.8	8.02	4.85 PT					<10*	232*	8.37
2002	12	2	12:15 PM	0	9.3	8.89	2.93 PT					11	225	12.4
2002	11	5	9:30 AM	0	8.2	8.93	3.1 PT					21*	195*	20.1
2002	10	1	9:15 AM	0	21.1	7.9	5.66 PT		60	<20		27	166	48.8
2002	8	27	8:45 AM	0	24.6	7.25	4.12 PT		340	160		21	189	28.2
2002	7	23	10:00 AM	0	27.1	7.36	2.92 PT		1,120	440		<10	175	48.5

Year	Month	Date	Time	Cond. µS/cm	NO ₂ ⁻ mg/L	NO ₃ ⁻ mg/L	NH ₃ mg/L	TKN mg/L	T. Phos. mg/L	O. Phos. mg/L	Cl ⁻ mg/L	SO ₄ ²⁻ mg/L	T. Hardness mg/L CaCO ₃	Alk. mg/L	Comments
2018	6	26	12:00 PM	224.1	<0.02	0.1	<0.015	1.146	0.187	0.096	4.9	2.9	145	112	High flow.
2018	5	30	11:05 AM	392.3	<0.02	<0.02		0.89	0.077	0.028	10.1	6	227	194	Elevated flow.
2018	4	25	3:00 PM	352.8	<0.02	0.6		1.27*	0.177	0.091	13.2	11.4	257	149	* Exceeded hold time. High flow.
2018	3	19	3:00 PM	550.1	<0.02	<0.02		0.81	0.255	0.016	10.4	11.3	488	242	

2018	2	13	2:30 PM	544.1	<0.02	<0.02		0.66	0.055*	0.007*	15.1	9.9	492	226	*Exceeded hold time.
2018	1	16	2:30 PM	531.9	<0.02	<0.02		0.76	0.067	0.011	11	9.5	359	276	
2018	1	9	12:30 PM												
2017	12	11	3:00 PM	389.6	<0.02	0.1		0.4	0.071	0.022	8.1	6.1	288	199	
2017	10	30	3:00 PM	367.9	<0.02	0.16		0.52	0.087	0.054	8.4	7.1	403	201	
2017	9	25	3:00 PM	372.2	<0.02	0.1	<0.015	0.75	0.068	0.019	5.8	5.4	249	188	
2017	9	11	12:00 PM												
2017	8	21		240.7	<0.02	0.12	<0.015	0.82	0.1	0.056	5.1	4.4	164	153	High flow.
2017	8	7	12:00 PM												High flow.
2017	7	19	8:00 AM	421.1									193	211	
2017	7	17	1:30 PM	463	<0.02	0.03	0.053	0.63	0.092	0.033	10.4	9.6	216	252	Trace flow.
2017	6	13	1:00 PM	522	<0.02	<0.02	<0.015	0.52	0.057	0.012	10.8	12.5	226	223	*Exceeded hold time. Elevated flow.
2017	5	15	11:30 AM												*Exceeded hold time.
2017	3	20	3:30 PM	514.8											Elevated flow.
2014	4	29	12:15 PM	475.8	<0.02	<0.02		0.6	0.069	0.012	15.8	14.3	263	237	
2014	3	24	12:15 PM	509	<0.02	<0.02		0.39	0.047	0.008	13.9	15.8	312	253	
2014	2	19	11:45 AM	537	0.05	<0.02		0.51	0.053	0.005	14.7	15.4	268	265	
2014	1	14	11:30 AM	507	0.03	<0.02		0.28	0.035	0.006	15.6	19.6	287	251	
2013	12	3	12:15 PM	432.7	<0.02	0.03		0.49	0.093	0.055	15	18.1	270	226	
2013	10	22	11:00 AM	316.9	<0.02	0.1		0.4	0.068	0.039	7	10.3	196	148	
2013	9	17	12:15 PM	429.2	<0.02	<0.02	<0.015	0.52	0.07	0.022	9.6	11.6	225	215	
2013	8	13	10:30 AM	251.8	<0.02	0.07	<0.015	0.9	0.136	0.071	3.1	3	136	122	Elevated flow.
2013	7	8	12:45 PM	276	<0.02*	<0.02*	<0.015	0.86	0.101	0.022	8.9	9.2	219	181	*Exceeded hold time.
2013	7	2	10:00 AM												
2013	6	4	11:15 AM	292.5	<0.02	0.16	0.031	0.7	0.083	0.037	4.7	8.9	150	147	
2013	4	30	10:00 AM	342.6	<0.02	0.03		0.58	0.061	0.015	6.8	13.7	193	148	
2013	3	25	11:30 AM	339.1	0.06	0.62		1.66	0.123	0.012	6.5	14	249	179	
2013	2	19	11:30 AM	361	<0.02	<0.02		1.8	0.161	0.014	7.8	10	430	215	

2013	1	23	125:00 pm	404.3	<0.02	<0.02		1.81	0.11	<0.005	11	6.9	313	244	*Exceeded hold time. Cattle in the creek.
2012	12	11	12:30 PM	370.1	<0.02	<0.02		1.24	0.073	<0.005	10.3	7.7	418	222	
2012	10	30	12:00 PM	345.4	<0.02	<0.02		1.1	0.113	0.014	9.3	7	222	169	No flow.
2012	9	25	12:30 PM	345.8	<0.02	<0.02		2.06	0.226	0.025	17.6	3.8	213	177	
2012	8	21	10:30 AM	356.4	<0.02	<0.02	<0.015	0.96	0.131	0.034	10.1	2.3	191	184	
2012	8	14	9:30 AM												
2012	7	24	11:30 AM	357.4	<0.02	0.34	<0.015	1.3	0.124	0.023	13	4.8	199	172	
2012	7	12	8:00 AM	388									174	174	
2012	6	12	11:00 AM	324.5	<0.02	0.31	0.128	0.76	0.092	0.028	6.2	7.7	150	124	Trace flow.
2009	7	27	8:30 AM	335.8									150	138	
2009	4	13	12:45 PM	232.1	<0.02	0.08	0.029	1.44	0.242	0.078	4.5	6.6	189	114	High flow.
2009	3	2	3:00 PM	500	<0.02	0.04	<0.015	0.48	0.035	0.007	8.6	12.4	387	249	
2009	2	2	1:30 PM	387.4	0.03	0.33	<0.015	0.17	0.039	0.006	10.6	13.6	315	202	
2008	11	3	1:30 PM	431.5	<0.02	0.34	<0.015	0.64	0.046	0.018	10.1	11.4	710	177	
2008	9	29	2:00 PM	420.5	<0.02	<0.02	<0.015	<0.11	0.053	<0.005	6.4	10.9	181	168	
2008	8	26	1:00 PM	410.7	<0.02	<0.02	<0.015	<0.11	0.057	0.006	10.8	11.6	181	149	Trace flow.
2008	7	22	2:30 PM	510	<0.02	0.13	<0.015	0.42	0.044	0.006	14.5	15	169	184	Trace flow.
2008	6	24	2:30 PM												Base flow.
2008	6	17	9:30 AM	230.4	<0.02	0.09	<0.015	<0.11	0.144	0.048	3.2	2.9	122	103	High flow.
2008	5	13	9:15 AM	443.8	<0.02	0.22	<0.015	<0.11	0.038	0.014	6.6	11	234.8	259	High flow.
2008	4	7	9:00 AM	249.2	<0.02	0.16	<0.015	<0.11	0.032	0.011	7.1	12.1	233.6	159	
2008	3	3	3:00 PM	242.5	<0.02	0.42	0.088	1.64	0.405	0.139	15.9	16.6	104.9	91	High flow.
2008	1	23	11:00 AM	536	<0.02	0.17	<0.015	0.16	0.022	0.008	14.2	17.7	247	203	
2007	12	17	3:30 PM	549	<0.02	0.7	<0.015	0.19	0.045	0.018	23.2	16.4	208.5	99	High flow.
2007	11	13	3:30 PM	523	<0.02	0.35	<0.015	0.26	0.064	0.016	8.7	13.2	240.5	234	
2007	10	15	4:30 PM	364.4	0.05	0.06	<0.015	<0.11	0.093	0.017	10	11.9	176.2	109	
2007	9	10	4:00 PM	396.1	<0.02	0.09	<0.015	0.39	0.082	0.022	12.8	12.9	171.5	159	
2007	8	15	2:30 PM												
2007	7	30	4:10 PM	594	<0.02	0.31	<0.015	<0.11	0.055	<0.005	11.6	15.1	235.9	303	DO at PB was 6.94.

2007	6	25	4:00 PM	315.1	<0.02	0.19	<0.015	<0.11	0.114	0.043	6.3	7.9	144.7	146	High flow.
2007	5	29	4:30 PM	300.6	0.06	0.13	<0.015	0.44	0.093	0.03	5.3	6.3	148.3	129	High flow.
2004	6	1	12:30 PM	490.7	<0.02	0.1	<0.015	0.29	0.078	0.006	10	12.2	238.7	183	
2004	4	26	3:30 PM	314.2	<0.02	0.17	<0.015	0.318	0.111	0.035	5.4	7.5	178.1	147	DO at PB was 7.57.
2004	3	15	3:15 PM	430.1	<0.02	0.29	0.022	0.32	0.088	0.021	10.6	13.6	260	238	
2004	2	9	4:00 PM		<0.02	0.18	0.022	0.3	0.091	0.015	10.3	11.9	225	165	
2004	1	6	9:30 AM	578	<0.02	<0.02	<0.015	<0.11	0.066	0.008	13	14	244.4	203	
2003	12	1	1:00 PM	575	<0.02	<0.02	<0.015	0.57	0.109	0.016	11.5	13.3	255.8	245	
2003	10	30	9:00 AM	502										226	
2003	10	20	1:00 PM	441.7	<0.02	0.08	0.035	0.314	0.08	0.017	7.4	8.8	203.7	184	
2003	9	22	1:30 PM	339.1	<0.02	0.12	<0.015	0.835	0.142	0.046	6	8.4	155.2	103	*Exceeded hold time. DO at PB was 5.36
2003	8	11	12:50 PM	427.9	0.02*	0.04*	<0.015	0.211	0.13	0.023	11.8	12.3	178.3	182	*Exceeded hold time. DO at PB was 2.21
2003	7	7	1:30 PM	452.1	0.04*	0.04*	0.042	0.686	0.08	0.009	9.1	12.3	248.8	143	*Exceeded hold time. DO at PB was 4.83.
2003	6	2	2:00 PM	362.1	0.02*	0.47*	0.051	0.859	0.167	0.049	7*	10.2*	172.1*	166	*Exceeded hold time.
2003	4	28	4:30 PM	434.2	0.02*	0.18*	<0.015	0.283	0.078	0.011	10.5*	12.2*	230.3*	139	*Exceeded hold time.
2003	3	25	9:00 AM	407.6	<0.02*	0.6*	<0.015	<0.11*	0.08	0.013	10.7*	13.3*	183.5*	67	*Exceeded hold time.
2003	2	18	12:30 PM	447.9	<0.02*	0.21	<0.015	0.188	0.033	<0.005	6.2*	6	199.1	164	*Exceeded hold time. DO at PB was 7.8.
2003	1	15	9:45 AM	404.8	<0.01*	0.12*	<0.015*	<0.365*	0.014*	<0.005*	6*	5.8*	190.1*	131	*Exceeded hold time. DO at PB was 4.81.
2002	12	2	12:15 PM	276.7	<0.01*	0.27	0.02*	0.676	0.204	0.108	4.92	4.58	182.8	118	*Exceeded hold time. DO at PB was 2.45.
2002	11	5	9:30 AM	336.4	<0.01*	0.73*	<0.015*	0.394*	0.041*	0.017*	4.34*	4.6*	143.5*	95	*Exceeded hold time. DO at PB was 2.94.
2002	10	1	9:15 AM	300.6	<0.01	0.79	0.036	0.392	0.066	0.024	4.28	4.54	132.3	113	DO at PB was 5.4.
2002	8	27	8:45 AM	336.1	<0.01	<0.01	0.18	0.788	0.119	<0.005	4.34	4	150.8	126	DO at PB was 3.69.
2002	7	23	10:00 AM	283.9	0.22	0.56	0.217	0.851	0.12	0.033	4.36	5.42	125	133	DO at PB was 2.42.

