

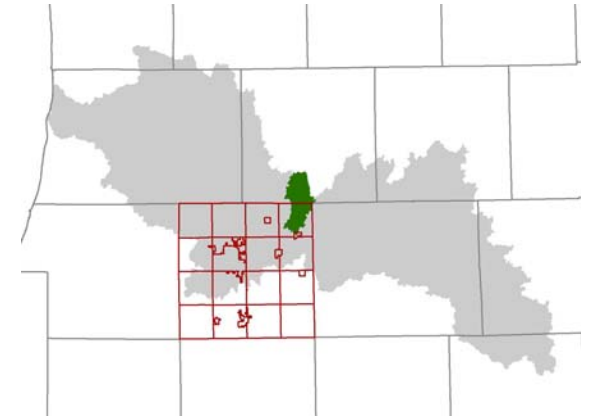


Kalamazoo County

Health & Community Services

This report summarizes all water quality data collected in the Augusta Creek Sub-Watershed, which is part of the larger Kalamazoo River Watershed. (see map to the right)

Water sampling and measurements are conducted by Environmental Health Bureau staff.



Augusta Creek at Gage #04105700 (State of Michigan Basin ID #: 17 48)

Augusta Creek

- AUG-30 South side of East 'C' Avenue, immediately west of North 43rd Street Ross Township (10)
- AUG-35 South side of M-89, immediatley east of North 42nd Street Ross Township (21)
- AUG-40 West side of East 'EF' Avenue, east of North 42nd Street Ross Township (27)

Augusta Creek at Mouth (State of Michigan Basin ID #: 17 49)

Augusta Creek

- AUG-60 South side of East Van Buren Street between East & West Canal Streets in the Village of Augusta Village of Augusta (34)

Site Code: AUG-30, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
11/9/2006	8:45	47.0	10.71	91.3%	8.23	0.510	0.3	2.3	28.2
9/28/2006	10:01	52.9	10.25	94.4%	8.25	0.535	0.3	1.7	142.1
8/1/2006	7:30	73.5	6.97	81.4%	8.21	0.541	0.4	N/A	770.1
6/20/2006	10:30	65.4	8.88	95.1%	8.26	0.549	0.4	N/A	365.4
4/20/2006	12:10	58.3	10.54	106.7%	8.10	0.511	0.3	2.2	74.9
3/14/2006	13:20	41.3	7.02	56.3%	8.15	0.372	0.2	11.5	108.1
1/19/2006	11:10	33.3	11.68	83.4%	8.21	0.485	0.3	9.0	59.8
11/29/2005	10:15	42.9	9.47	77.6%	8.12	0.499	0.3	16.8	980.4
10/20/2005	9:45	45.7	10.53	90.5%	8.26	0.572	0.4	2.0	193.5
9/15/2005	13:10	62.2	10.32	108.6%	8.27	0.566	0.4	3.7	517.2
8/4/2005	9:50	70.2	6.82	79.1%	8.11	0.529	0.3	7.2	290.9
6/16/2005	10:50	63.4	7.05	75.2%	7.76	0.467	0.3	12.6	260.3
4/21/2005	13:45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	58.3
4/5/2005	11:30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.9
3/17/2005	11:40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	137.2
2/3/2005	14:30	35.9	10.53	78.2%	7.86	0.552	0.4	7.8	2.0
11/3/2004	14:25	48.1	10.48	92.6%	7.88	0.501	0.3	6.4	365.4
9/29/2004	15:10	58.5	10.24	102.7%	8.19	0.519	0.3	2.7	172.3
9/9/2004	12:47	64.9	7.18	76.3%	7.94	0.526	0.3	4.0	83.6
7/1/2004	10:10	66.1	8.71	96.0%	8.00	0.471	0.3	10.1	517.2
6/4/2004	11:09	61.4	8.66	91.0%	7.96	0.424	0.3	11.3	141.4

Site Code: AUG-30, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
4/29/2004	11:05	56.9	9.47	94.4%	8.27	0.492	0.3	3.8	38.8
4/8/2004	11:50	51.8	10.43	97.5%	8.37	0.477	0.3	5.5	13.4
3/18/2004	11:44	38.8	11.50	90.0%	8.08	0.446	0.3	8.4	26.2
2/26/2004	12:30	34.2	12.14	88.8%	8.16	0.484	0.3	16.9	72.3
2/6/2004	12:55	33.9	13.03	95.1%	7.98	0.499	0.3	11.9	66.3
1/15/2004	13:32	32.5	11.61	81.8%	8.14	0.501	0.3	12.8	24.6
12/4/2003	12:57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	66.9
11/6/2003	10:56	46.9	9.76	84.7%	8.76	0.416	0.3	6.2	613.1
10/22/2003	10:25	47.6	11.14	97.6%	8.85	0.493	0.3	3.7	76.2
9/18/2003	14:31	65.2	9.91	108.2%	8.59	0.503	0.3	1.9	184.2
8/1/2003	10:00	66.6	8.70	97.4%	8.29	0.494	0.3	6.3	206.3
7/9/2003	12:03	69.0	8.06	92.7%	8.18	0.466	0.3	8.4	209.8
6/25/2003	10:41	70.0	8.34	95.9%	8.16	0.500	0.3	4.0	435.2
6/11/2003	10:34	64.0	8.45	92.3%	8.11	0.484	0.3	4.4	131.7
5/28/2003	10:20	58.6	8.69	87.9%	8.08	0.481	0.3	4.3	83.9
5/13/2003	11:45	51.1	8.19	75.6%	7.82	0.406	0.3	3.5	201.4
4/29/2003	12:36	60.1	9.33	96.3%	8.20	0.520	0.3	2.6	51.2
4/15/2003	10:07	56.5	8.42	83.0%	7.91	0.491	0.3	6.7	24.6
3/31/2003	14:15	43.8	10.73	90.3%	8.15	0.477	0.3	3.9	23.1
3/17/2003	13:30	41.4	9.47	77.3%	7.85	0.382	0.2	16.9	86.0
3/3/2003	13:29	32.8	13.81	97.6%	8.43	0.606	0.4	N/A	11.0

Site Code: AUG-30, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
2/18/2003	9:39	32.8	14.47	104.3%	9.11	0.495	0.3	N/A	10.8
2/3/2003	13:57	34.2	11.01	81.4%	8.13	0.534	0.3	N/A	61.3
1/20/2003	1:43	33.5	11.65	99.3%	8.42	0.536	0.3	N/A	12.2
1/6/2003	12:15	35.1	13.21	97.2%	9.12	0.523	0.3	N/A	9.7
12/17/2002	13:36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	27.5
12/3/2002	8:54	31.6	14.14	97.7%	8.20	0.552	0.4	N/A	41.9
11/12/2002	8:34	45.2	8.87	75.9%	7.88	0.522	0.3	N/A	39.1
10/29/2002	8:30	43.3	9.72	80.0%	7.93	0.545	0.4	N/A	43.2
10/29/2002	8:30	43.3	9.72	80.0%	7.93	0.545	0.4	N/A	52.0
10/15/2002	8:21	45.8	9.81	84.1%	8.03	0.547	0.4	N/A	143.9
10/1/2002	8:31	62.6	7.56	80.6%	8.04	0.541	0.4	N/A	160.7
9/20/2002	10:59	65.2	7.21	79.0%	7.92	0.512	0.3	N/A	1046.2
9/6/2002	10:24	62.6	8.55	90.3%	8.12	0.532	0.3	N/A	209.8
8/22/2002	10:45	67.8	7.25	81.4%	7.90	0.510	0.3	N/A	378.4
8/8/2002	10:30	64.2	8.11	87.6%	7.96	0.489	0.3	N/A	98.5
7/25/2002	10:23	66.2	8.79	94.5%	8.10	0.521	0.3	N/A	280.9
6/28/2002	10:30	68.0	N/A	N/A	N/A	N/A	N/A	N/A	231.0
6/13/2002	10:41	64.0	N/A	N/A	N/A	N/A	N/A	N/A	203.5
9/24/2001	10:03	54.4	N/A	N/A	N/A	N/A	N/A	N/A	770.1
9/17/2001	11:38	55.4	N/A	N/A	N/A	N/A	N/A	N/A	155.3
8/13/2001	9:52	64.5	N/A	N/A	N/A	N/A	N/A	N/A	127.4

Site Code: AUG-30, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	<i>E. coli Bacteria (MPN)</i>
7/30/2001	9:56	66.1	N/A	N/A	N/A	N/A	N/A	N/A	365.4
7/16/2001	9:56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	285.1
7/5/2001	12:15	64.0	N/A	N/A	N/A	N/A	N/A	N/A	156.5
6/18/2001	10:33	75.0	N/A	N/A	N/A	N/A	N/A	N/A	1986.3
6/4/2001	10:50	52.7	N/A	N/A	N/A	N/A	N/A	N/A	93.2
5/21/2001	11:21	64.6	N/A	N/A	N/A	N/A	N/A	N/A	90.9
5/7/2001	11:30	64.1	N/A	N/A	N/A	N/A	N/A	N/A	325.5

Site Code: AUG-30, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
	Count	64	53	53	53	53	53	35	70
Summary Statistics	Average	53.7	9.76	88.9%	8.17	0.503	0.3	7.0	219.1
	Minimum	31.6	6.82	56.3%	7.76	0.372	0.2	1.7	2.0
	Maximum	75.0	14.47	108.6%	9.12	0.606	0.4	16.9	1986.3

The above represents summary statistics of ambient water quality conditions for site code AUG-30 (Augusta Creek) between May 2001 and January 2007.

Below is a summary of E. coli bacteria results for AUG-30 (Augusta Creek) between May 2001 and January 2007. This site is located in Section Number 10 of Ross Township, South side of East 'C' Avenue, immediately west of North 43rd Street.

14 out of 70 water sample results exceeded 300 bacteria colonies per 100 ml of water.

21 out of 70 water sample results were between 130 and 299 bacteria colonies per 100 ml of water.

35 out of 70 water sample results were less than 130 bacteria colonies per 100 ml of water.

Site Code: AUG-35, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
11/9/2006	8:30	47.2	10.30	88.1%	8.21	0.524	0.3	1.2	39.5
9/28/2006	10:16	52.5	10.00	91.7%	8.22	0.536	0.3	1.6	110.0
8/1/2006	7:20	72.0	6.99	80.6%	8.20	0.551	0.4	N/A	770.1
6/20/2006	10:00	63.7	8.17	85.6%	8.20	0.562	0.4	N/A	365.4
4/20/2006	11:35	57.8	10.00	101.2%	8.06	0.523	0.3	4.7	52.8
3/14/2006	11:00	41.8	7.06	59.0%	8.18	0.382	0.2	14.0	68.3
1/19/2006	10:55	33.5	11.62	83.9%	8.22	0.498	0.3	18.1	19.3
11/29/2005	9:45	43.3	9.54	79.2%	8.11	0.507	0.3	18.0	727.0
10/20/2005	9:20	45.8	9.94	84.9%	8.24	0.585	0.4	1.0	123.6
9/15/2005	13:35	60.9	10.08	104.3%	8.23	0.575	0.4	2.6	178.5
8/4/2005	9:35	69.1	6.51	75.4%	8.09	0.536	0.3	7.4	461.1
6/16/2005	10:35	62.2	7.04	74.5%	7.81	0.477	0.3	17.3	344.8
4/5/2005	11:15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.5
3/17/2005	12:00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	209.8
2/3/2005	14:10	34.4	11.16	80.9%	7.91	0.554	0.4	11.8	15.6
11/3/2004	14:10	48.3	11.47	101.7%	7.88	0.509	0.3	5.9	195.6
9/29/2004	14:55	57.7	10.47	104.0%	8.19	0.524	0.3	1.4	135.4

Site Code: AUG-35, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
	Count	15	15	15	15	15	15	13	17
Summary Statistics	Average	52.7	9.36	86.3%	8.12	0.523	0.3	8.1	225.3
	Minimum	33.5	6.51	59.0%	7.81	0.382	0.2	1.0	13.5
	Maximum	72.0	11.62	104.3%	8.24	0.585	0.4	18.1	770.1

The above represents summary statistics of ambient water quality conditions for site code AUG-35 (Augusta Creek) between September 2004 and January 2007.

Below is a summary of E. coli bacteria results for AUG-35 (Augusta Creek) between September 2004 and January 2007. This site is located in Section Number 21 of Ross Township, South side of M-89, immediately east of North 42nd Street.

5 out of 17 water sample results exceeded 300 bacteria colonies per 100 ml of water.

4 out of 17 water sample results were between 130 and 299 bacteria colonies per 100 ml of water.

8 out of 17 water sample results were less than 130 bacteria colonies per 100 ml of water.

Site Code: AUG-40, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
11/9/2006	8:15	47.3	10.43	89.4%	8.25	0.516	0.3	1.7	22.3
9/28/2006	9:15	54.0	9.95	92.9%	8.25	0.532	0.3	1.4	117.8
8/1/2006	7:10	74.0	6.90	81.0%	8.24	0.537	0.3	N/A	517.2
6/20/2006	9:45	65.5	8.42	90.2%	8.24	0.540	0.4	N/A	344.1
4/20/2006	11:15	58.3	10.12	102.3%	8.05	0.508	0.3	3.1	43.2
3/14/2006	12:40	42.8	6.94	57.2%	8.27	0.388	0.3	16.5	80.1
1/19/2006	10:30	34.0	11.61	84.4%	8.24	0.495	0.3	9.3	45.7
11/29/2005	9:00	43.2	9.55	79.3%	8.14	0.500	0.3	18.0	920.8
10/20/2005	9:05	46.6	10.19	88.4%	8.29	0.575	0.4	3.0	163.1
9/15/2005	11:20	60.7	8.98	93.7%	8.21	0.570	0.4	1.2	225.4
8/4/2005	9:15	70.4	6.79	78.6%	8.14	0.528	0.3	8.6	579.4
6/16/2005	11:00	63.6	7.68	81.9%	7.87	0.471	0.3	17.2	185.0
4/21/2005	14:00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	68.3
4/5/2005	12:45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.9
3/17/2005	11:25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	135.4
2/3/2005	13:50	33.3	11.60	82.8%	7.95	0.550	0.4	12.8	27.5
11/3/2004	13:50	47.9	11.48	100.9%	7.90	0.511	0.3	5.5	270.0
9/29/2004	14:35	56.9	10.24	100.7%	8.16	0.517	0.3	1.7	114.5
9/9/2004	13:00	64.8	6.96	74.4%	7.96	0.528	0.3	3.4	116.9
8/6/2004	12:25	62.7	8.40	88.9%	8.04	0.478	0.3	9.0	727.0
7/1/2004	10:50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	325.5

Site Code: AUG-40, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	<i>E. coli Bacteria (MPN)</i>
6/4/2004	11:37	61.5	9.12	95.4%	8.02	0.429	0.3	10.8	157.6
4/29/2004	11:35	57.2	9.93	99.2%	8.26	0.489	0.3	4.8	62.7
4/8/2004	12:24	51.7	10.69	99.8%	8.39	0.474	0.3	3.8	21.8
3/18/2004	12:08	39.5	11.52	91.4%	8.14	0.453	0.3	8.2	9.1
2/26/2004	13:00	34.8	11.48	84.7%	8.19	0.488	0.3	15.7	21.8
2/6/2004	12:20	33.9	14.20	103.4%	8.04	0.505	0.3	9.7	34.0
1/15/2004	13:00	32.0	11.70	81.6%	8.15	0.500	0.3	11.4	34.5
12/4/2003	12:30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	69.5
11/6/2003	12:00	47.5	10.07	88.1%	8.77	0.424	0.3	6.8	325.5
10/22/2003	11:00	48.4	11.22	97.8%	8.95	0.492	0.3	2.5	93.2
9/18/2003	13:22	63.2	9.34	99.7%	8.42	0.498	0.3	1.1	131.4
8/1/2003	10:16	64.8	8.38	91.9%	8.30	0.500	0.3	3.4	268.2
7/9/2003	11:51	67.8	8.19	92.8%	8.25	0.464	0.3	15.2	579.4
6/25/2003	10:27	66.7	8.27	91.7%	8.21	0.499	0.3	6.1	222.4
6/11/2003	10:20	62.0	8.34	89.1%	8.12	0.484	0.3	5.8	162.4
5/28/2003	10:05	57.0	8.62	85.5%	8.10	0.483	0.3	6.6	83.9
5/13/2003	11:26	50.4	8.83	80.8%	7.94	0.418	0.3	6.3	198.9
4/29/2003	12:24	58.6	9.64	97.7%	8.18	0.517	0.3	2.5	83.3
4/15/2003	9:56	56.0	8.65	84.9%	7.95	0.489	0.3	7.9	18.5
3/31/2003	14:06	45.0	11.07	94.7%	8.16	0.482	0.3	4.5	16.0
3/17/2003	13:15	40.9	10.05	81.5%	7.95	0.406	0.3	20.2	96.0

Site Code: AUG-40, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	<i>E. coli</i> Bacteria (MPN)
3/3/2003	13:17	32.5	14.00	98.8%	8.25	0.622	0.4	N/A	18.5
2/18/2003	9:26	33.4	14.64	106.3%	8.95	0.500	0.3	N/A	18.7
2/3/2003	13:45	35.6	11.02	83.3%	8.13	0.536	0.3	N/A	46.5
1/20/2003	13:28	32.2	11.98	100.2%	8.26	0.540	0.4	N/A	38.8
1/6/2003	12:00	35.6	13.33	98.9%	9.10	0.527	0.3	N/A	24.3
12/17/2002	13:26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.5
12/3/2002	8:41	31.7	14.69	101.6%	8.35	0.540	0.4	N/A	34.5
11/12/2002	8:21	45.9	10.00	86.2%	7.97	0.523	0.3	N/A	28.2
10/29/2002	8:17	43.5	10.56	87.1%	8.02	0.542	0.4	N/A	36.4
10/15/2002	8:08	46.1	10.12	86.9%	8.06	0.546	0.4	N/A	47.1
10/1/2002	8:17	61.8	8.20	86.7%	8.09	0.544	0.4	N/A	141.4
10/1/2002	8:17	61.8	8.20	86.7%	8.09	0.544	0.4	N/A	148.3
9/20/2002	10:47	64.7	7.81	85.0%	7.98	0.526	0.3	N/A	686.7
9/6/2002	10:10	61.1	8.72	90.4%	8.12	0.536	0.3	N/A	124.6
8/22/2002	10:30	66.8	7.76	86.1%	7.98	0.514	0.3	N/A	387.3
8/8/2002	10:13	63.0	8.32	88.7%	8.05	0.497	0.3	N/A	272.3
7/25/2002	10:07	64.2	8.42	88.4%	8.09	0.523	0.3	N/A	290.9
6/28/2002	10:20	66.0	N/A	N/A	N/A	N/A	N/A	N/A	488.4
6/13/2002	10:25	62.0	N/A	N/A	N/A	N/A	N/A	N/A	183.5
9/24/2001	9:50	54.7	N/A	N/A	N/A	N/A	N/A	N/A	1203.3
9/17/2001	11:25	56.0	N/A	N/A	N/A	N/A	N/A	N/A	101.0

Site Code: AUG-40, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	<i>E. coli Bacteria (MPN)</i>
8/13/2001	9:40	65.0	N/A	N/A	N/A	N/A	N/A	N/A	222.4
7/30/2001	9:42	66.2	N/A	N/A	N/A	N/A	N/A	N/A	410.6
7/16/2001	9:40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	156.5
7/5/2001	12:29	64.0	N/A	N/A	N/A	N/A	N/A	N/A	365.4
6/18/2001	10:45	76.0	N/A	N/A	N/A	N/A	N/A	N/A	1413.6
6/4/2001	11:00	52.9	N/A	N/A	N/A	N/A	N/A	N/A	86.0
5/21/2001	11:36	64.6	N/A	N/A	N/A	N/A	N/A	N/A	85.7
5/7/2001	11:15	62.1	N/A	N/A	N/A	N/A	N/A	N/A	57.3

Site Code: AUG-40, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
	Count	64	53	53	53	53	53	35	71
Summary Statistics	Average	53.7	9.87	89.8%	8.19	0.506	0.3	7.6	209.6
	Minimum	31.7	6.79	57.2%	7.87	0.388	0.3	1.1	9.1
	Maximum	76.0	14.69	106.3%	9.10	0.622	0.4	20.2	1413.6

The above represents summary statistics of ambient water quality conditions for site code AUG-40 (Augusta Creek) between May 2001 and January 2007.

Below is a summary of E. coli bacteria results for AUG-40 (Augusta Creek) between May 2001 and January 2007. This site is located in Section Number 27 of Ross Township, West side of East 'EF' Avenue, east of North 42nd Street.

15 out of 71 water sample results exceeded 300 bacteria colonies per 100 ml of water.

18 out of 71 water sample results were between 130 and 299 bacteria colonies per 100 ml of water.

38 out of 71 water sample results were less than 130 bacteria colonies per 100 ml of water.

Site Code: AUG-60, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	<i>E. coli</i> Bacteria (MPN)
11/9/2006	8:00	47.2	9.92	84.8%	8.25	0.516	0.3	1.1	73.8
9/28/2006	9:00	53.7	9.63	89.2%	8.25	0.528	0.3	1.6	648.8
8/1/2006	6:45	74.8	6.24	74.4%	8.26	0.534	0.3	N/A	410.6
6/20/2006	9:30	66.4	7.26	78.2%	8.26	0.540	0.4	N/A	387.3
4/20/2006	10:50	59.0	11.38	116.8%	8.15	0.501	0.3	7.4	31.7
3/14/2006	12:20	43.2	6.94	57.3%	8.27	0.385	0.3	17.6	90.9
1/19/2006	10:05	34.6	11.65	84.9%	8.31	0.493	0.3	11.2	30.9
11/29/2005	8:35	43.0	10.17	83.8%	8.14	0.498	0.3	14.5	920.8
10/20/2005	8:35	46.3	10.22	88.0%	8.32	0.573	0.4	4.0	122.3
9/15/2005	11:00	60.7	9.08	94.0%	8.27	0.570	0.4	1.6	344.8
8/4/2005	8:35	70.5	7.07	81.8%	8.19	0.525	0.3	12.7	1553.1
6/16/2005	11:20	64.3	7.64	82.8%	7.98	0.471	0.3	17.6	218.7
4/21/2005	12:45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1413.6
4/5/2005	13:50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5
3/17/2005	11:05	N/A	N/A	N/A	N/A	N/A	N/A	N/A	98.8
2/3/2005	13:40	34.1	12.20	88.2%	8.00	0.549	0.4	17.7	22.3
11/3/2004	13:00	48.2	10.67	94.4%	7.95	0.509	0.3	5.9	307.6
9/29/2004	14:30	57.4	10.41	103.0%	8.28	0.514	0.3	1.5	116.2
9/9/2004	13:22	64.9	6.93	74.1%	7.95	0.528	0.3	7.9	81.6
8/6/2004	12:40	64.1	8.22	88.6%	8.11	0.474	0.3	6.9	248.1
7/1/2004	11:22	66.4	8.37	92.6%	8.12	0.468	0.3	8.0	218.7

Site Code: AUG-60, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
6/4/2004	12:00	62.7	8.72	93.0%	8.11	0.429	0.3	10.3	145.0
4/29/2004	12:00	57.4	9.76	97.8%	8.30	0.487	0.3	11.4	44.1
4/8/2004	12:48	52.5	10.80	101.7%	8.43	0.473	0.3	12.9	8.6
3/18/2004	12:30	39.7	11.27	89.6%	8.19	0.451	0.3	7.5	9.8
2/25/2004	12:00	34.1	12.07	88.2%	8.32	0.488	0.3	12.0	31.5
2/6/2004	10:55	32.3	14.89	105.7%	8.04	0.498	0.3	8.0	63.1
1/15/2004	11:26	31.8	12.39	86.2%	8.14	0.496	0.3	3.4	20.3
12/4/2003	12:00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	64.4
11/6/2003	12:43	48.0	10.80	95.1%	8.81	0.423	0.3	6.5	307.6
10/22/2003	9:00	48.0	10.31	90.8%	8.96	0.490	0.3	3.1	62.0
9/18/2003	13:00	62.8	10.09	107.1%	8.52	0.497	0.3	11.5	152.9
8/1/2003	11:20	65.4	8.30	91.5%	8.31	0.500	0.3	3.8	313.0
7/9/2003	11:37	67.9	7.97	90.4%	8.26	0.464	0.3	15.3	648.8
6/25/2003	10:01	66.5	7.85	87.0%	8.21	0.497	0.3	4.2	478.6
6/11/2003	10:03	61.8	8.04	85.8%	8.12	0.483	0.3	5.6	142.1
5/28/2003	9:48	56.1	8.95	87.9%	8.15	0.484	0.3	5.1	86.0
5/13/2003	11:09	50.3	9.18	84.0%	8.04	0.418	0.3	7.8	416.0
4/29/2003	12:14	57.9	10.02	100.7%	8.22	0.516	0.3	2.5	45.7
4/15/2003	9:46	55.3	8.81	85.7%	7.96	0.488	0.3	6.9	18.7
3/31/2003	13:59	45.4	11.58	99.7%	8.24	0.481	0.3	3.9	16.0
3/17/2003	13:07	41.8	10.74	88.1%	7.97	0.402	0.3	21.0	93.3

Site Code: AUG-60, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	<i>E. coli</i> Bacteria (MPN)
3/3/2003	13:08	32.1	14.36	100.5%	7.76	0.552	0.4	N/A	5.1
2/18/2003	9:15	32.6	14.83	106.6%	7.60	0.553	0.4	N/A	33.6
2/18/2003	9:15	32.6	14.83	106.6%	7.60	0.553	0.4	N/A	48.7
2/3/2003	13:31	35.5	11.54	87.1%	8.22	0.536	0.3	N/A	45.7
1/20/2003	13:17	31.6	12.05	99.8%	8.47	0.537	0.3	N/A	15.6
1/6/2003	11:51	35.3	13.67	100.7%	7.54	0.526	0.3	N/A	20.1
12/17/2002	13:19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.1
12/3/2002	8:26	31.6	15.70	108.5%	6.05	0.545	0.4	N/A	19.7
11/12/2002	8:12	46.0	9.92	85.6%	8.02	0.523	0.3	N/A	46.5
10/29/2002	8:07	43.2	10.34	85.0%	8.26	0.542	0.4	N/A	29.2
10/15/2002	7:59	45.9	9.95	85.4%	8.09	0.545	0.4	N/A	77.1
10/1/2002	8:07	62.1	7.74	82.0%	8.14	0.542	0.4	N/A	640.5
9/20/2002	10:27	64.3	7.65	82.8%	8.02	0.529	0.3	N/A	1553.1
9/6/2002	9:53	60.7	8.15	84.1%	8.13	0.536	0.3	N/A	196.8
8/22/2002	10:20	66.8	7.66	85.0%	8.02	0.513	0.3	N/A	547.5
8/8/2002	10:00	62.6	8.20	87.1%	8.08	0.495	0.3	N/A	214.2
7/25/2002	9:51	64.1	8.05	84.4%	8.07	0.520	0.3	N/A	260.2
6/28/2002	10:10	66.0	N/A	N/A	N/A	N/A	N/A	N/A	547.5
6/13/2002	10:07	62.0	N/A	N/A	N/A	N/A	N/A	N/A	328.2
9/24/2001	9:39	54.4	N/A	N/A	N/A	N/A	N/A	N/A	1413.6
9/17/2001	11:11	56.0	N/A	N/A	N/A	N/A	N/A	N/A	290.9

Site Code: AUG-60, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	<i>E. coli Bacteria (MPN)</i>
8/13/2001	9:29	64.6	N/A	N/A	N/A	N/A	N/A	N/A	517.2
7/30/2001	9:30	66.1	N/A	N/A	N/A	N/A	N/A	N/A	686.7
7/16/2001	9:27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	410.6
7/5/2001	12:37	66.0	N/A	N/A	N/A	N/A	N/A	N/A	238.2
6/18/2001	10:53	68.0	N/A	N/A	N/A	N/A	N/A	N/A	980.4
6/4/2001	11:09	53.5	N/A	N/A	N/A	N/A	N/A	N/A	127.4
5/21/2001	11:45	65.5	N/A	N/A	N/A	N/A	N/A	N/A	133.3
5/7/2001	11:03	61.2	N/A	N/A	N/A	N/A	N/A	N/A	65.0

Site Code: AUG-60, Augusta Creek

Sample Date	Sample Time	Water Temperature (degrees F)	Dissolved Oxygen mg/L	% Saturation	pH (units)	Conductivity (mS / cm)	TDS (g / L)	Turbidity (NTU)	E. coli Bacteria (MPN)
	Count	65	54	54	54	54	54	36	71
Summary Statistics	Average	53.3	10.02	90.4%	8.12	0.503	0.3	8.3	282.1
	Minimum	31.6	6.24	57.3%	6.05	0.385	0.3	1.1	5.1
	Maximum	74.8	15.70	116.8%	8.96	0.573	0.4	21.0	1553.1

The above represents summary statistics of ambient water quality conditions for site code AUG-60 (Augusta Creek) between May 2001 and January 2007.

Below is a summary of E. coli bacteria results for AUG-60 (Augusta Creek) between May 2001 and January 2007. This site is located in Section Number 34 of Village of Augusta, South side of East Van Buren Street between East & West Canal Streets in the Village of Augusta.

23 out of 71 water sample results exceeded 300 bacteria colonies per 100 ml of water.

12 out of 71 water sample results were between 130 and 299 bacteria colonies per 100 ml of water.

36 out of 71 water sample results were less than 130 bacteria colonies per 100 ml of water.