

Appendix G
Salem Urban Stream Sampling Data

Parameter Abbreviation	Description	Unit	Description
Alk	alkalinity	mg/L	milligrams/liter
BOD	biochemical demand	mg/L	milligrams/liter
BOD5	biochemical demand 5-day	mg/L	milligrams/liter
COD	chemical oxygen demand	mg/L	milligrams/liter
Cond	conductivity	uS/cm	microSiemens/centimeter
Cu	copper	mg/L	milligrams/liter
DO	dissolve oxygen	mg/L	milligrams/liter
DO Sat	dissolve oxygen saturation	%	percent saturation
E.Coli	E.Coli bacteria	#/100mL	number/100milliliters
Fecal Coliform	fecal coliform acteria	CFU/mL	Colony Forming Units/milliliter
Fecal Strep	fecal strep bacteria	CFU/mL	Colony Forming Units/milliliter
Fecals	fecal bacteria	#/100mL	number/100milliliters
NH3-N	ammonia-nitrogen	mg/L	milligrams/liter
NO3+NO2	nitrate-nitrite-nitrogen	mg/L	milligrams/liter
O-PO4	ortho-phosphate	mg/L	milligrams/liter
Pb	lead	mg/L	milligrams/liter
pH	pH	range of 0-14	measure acid-base balance
TDS	total dissolved solids	mg/L	milligrams/liter
Temp	Temperature	°C	degrees Celsius
TKN	total nitrogen content/ total Kjeldahl nitrogen	mg/L	milligrams/liter
T-PO4	total phosphorus	mg/L	milligrams/liter
TS	total sulphur	mg/L	milligrams/liter
TSS	total suspended solids	mg/L	milligrams/liter
Turb	turbidity	NTU	Nephelometric Turbidity Units
Zn	Zinc	mg/L	milligrams/liter

Notes

Blanks indicate that sampling was attempted but conditions at sites prevented sample collection (e.g., streams were dry or flood conditions make site dangerous).

Salem Urban Stream Sampling Data

City of Salem

Battle Creek at Commercial St. SE

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
BAT 1	7/13/2004	11:50	Sunny	CC	19.1	4.91	49.1	16	6.82	866	0.74	1.2
BAT 1	8/17/2004	11:20	Sunny	JVH	19.2	7.13	53.8	26.9	6.5	1553	0.67	2
BAT 1	9/14/2004	11:50	Sunny	JVH	16.1	6.45	50.6	35	7.04	2419	0.65	2.3
BAT 1	10/12/2004	11:00	Sunny	JVH	13.2	7.83	49.4	13.7	7.03	980	0.8	0.6
BAT 1	11/16/2004	11:30	Cloudy/No Rain	CC	10.7	8.45	44.6	10.9	6.91	236	0.68	1.5
BAT 1	12/14/2004	11:00	Cloudy/No Rain	JVH	10.5	9.57	38.2	20.8	6.93	435	1.16	2.1
BAT 1	1/11/2005	11:00	Sunny	JVH	5.7	11.32	40.1	16.2	7.45	33	1.31	1.4
BAT 1	2/15/2005	11:45	Sunny	JVH	5.1	9.94	38.7	10.3	7.36	88	1.07	1.9
BAT 1	3/15/2005	11:10	Sunny	JVH	8.4	9.23	39.1	8.8	7.6	124	0.84	1.1
BAT 1	4/12/2005	11:15	Light Rain	JVH	9	10.98	37.9	14.6	7.11	326	1.21	1.9
BAT 1	5/12/2005	11:25	Cloudy/No Rain	JVH	11.8	8.88	39.2	9	7.35	326	1.12	1.4

Count	11	11	11	11	11	11	11	11	11
Average	11.7	8.61	43.7	16.6	7.10	671	0.93	1.6	
Min	5.1	4.91	37.9	8.8	6.50	33	0.65	0.6	
Max	19.2	11.32	53.8	35.0	7.60	2419	1.31	2.3	
Median	10.7	8.88	40.1	14.6	7.04	326	0.84	1.5	
StDev	4.8	1.93	6.0	8.2	0.32	741	0.25	0.5	
25th	8.7	7.48	38.9	10.6	6.92	180	0.71	1.3	
75th	14.7	9.76	49.3	18.5	7.36	923	1.14	2.0	

Salem Urban Stream Sampling Data

City of Salem

Battle Creek at Reese Rd. SE

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
BAT 12	7/13/2004	11:20	Sunny	CC	18.4	7.74	44.4	9.3	6.92	1553	0.31	0.9
BAT 12	8/17/2004	10:30	Sunny	JVH	17.4	5.25	58.4	7.7	6.5	276	0.18	1.7
BAT 12	9/14/2004	10:50	Sunny	JVH	15.5	6.67	51.2	7.3	7.09	345	0.22	2.3
BAT 12	10/12/2004	10:20	Sunny	JVH	11.9	8.39	44.5	14.2	7.02	500	0.29	1.3
BAT 12	11/16/2004	11:15	Cloudy/No Rain	CC	9.9	10.11	37.6	6.9	6.94	185	0.39	1.4
BAT 12	12/14/2004	10:40	Cloudy/No Rain	JVH	9.9	10.22	37.2	10.9	7.23	39	1.45	1.6
BAT 12	1/11/2005	10:45	Cloudy/No Rain	JVH	5.4	11.13	34.1	4.4	7.51	30	1.18	1.4
BAT 12	2/15/2005	10:30	Sunny	JVH	4.9	12.14	33.4	4.2	7.34	30	0.99	1.9
BAT 12	3/15/2005	10:35	Sunny	JVH	7.9	9.97	34	5.5	7.56	261	0.69	0.8
BAT 12	4/12/2005	10:35	Light Rain	JVH	8.3	11.63	34.4	7.5	7.2	65	1.35	1.5
BAT 12	5/12/2005	10:45	Cloudy/No Rain	JVH	10.7	9.72	34.3	6.2	7.3	130	1.04	1.3
BAT 12Dup	7/13/2004	11:20	Sunny	CC	18.4	7.74	44.4	9.5	6.95	1203	0.33	0.8

Count	12	12	12	12	12	12	12	12	12	12	12	12
Average	11.6	9.23	40.7	7.8	7.13	385	0.70	1.4				
Min	4.9	5.25	33.4	4.2	6.50	30	0.18	0.8				
Max	18.4	12.14	58.4	14.2	7.56	1553	1.45	2.3				
Median	10.3	9.85	37.4	7.4	7.15	223	0.54	1.4				
StDev	4.8	2.09	8.0	2.8	0.29	491	0.47	0.4				
25th	8.2	7.74	34.3	6.0	6.95	59	0.31	1.2				
75th	16.0	10.45	44.4	9.4	7.31	384	1.08	1.6				

Salem Urban Stream Sampling Data

City of Salem

Claggett Creek at Mainline Dr. NE

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
CGT 1	7/13/2004	14:00	Sunny	CC	24.7	7.98	208.9	8.8	7.42	93	0.18	2.9
CGT 1	8/17/2004	13:35	Sunny	JVH	24.6	7.01	156.4	40.8	6.47	261	0.22	1.8
CGT 1	9/14/2004	13:40	Sunny	JVH	19.1	6.68	152.2	17.4	7.04	228	0.22	2.1
CGT 1	10/12/2004	13:30	Sunny	JVH	15.7	7	64.1	16.4	6.93	70	0.08	0.4
CGT 1	11/16/2004	14:45	Sunny	CC	13.6	8.95	65.7	24.4	7.21	548	0.28	3.7
CGT 1	12/14/2004	14:05	Cloudy/No Rain	JVH	10.6	9.88	68.9	20.8	7.24	517	0.46	2.3
CGT 1	1/11/2005	13:50	Sunny	JVH	6.6	12.56	139.4	13.6	7.21	20	0.66	1.7
CGT 1	2/15/2005	13:25	Sunny	JVH	9.1	14.45	158.4	10.7	7.21	3	0.56	2.4
CGT 1	3/15/2005	13:45	Sunny	JVH	16.7	14.15	197.2	5.9	8.17	4	0.19	2
CGT 1	4/12/2005	14:00	Cloudy/No Rain	JVH	11.2	10.54	90.2	20.9	7.06	2419	0.51	3.5
CGT 1	5/12/2005	14:15	Cloudy/No Rain	JVH	17.6	8.99	177.4	6.6	7.31	201	0.83	1.7
CGT 1Dup	2/15/2005	13:25	Sunny	JVH	9.1	14.5	158.4	10.8	7.19	7	0.55	2.6
CGT 1Dup	3/15/2005	13:45	Sunny	JVH	16.7	14.13	197.2	5.6	8.17	11	0.18	2.1

Count	13	13	13	13	13	13	13	13	13	13	13	13
Average	15.0	10.52	141.1	15.6	7.28	337	0.38	2.2				
Min	6.6	6.68	64.1	5.6	6.47	3	0.08	0.4				
Max	24.7	14.50	208.9	40.8	8.17	2419	0.83	3.7				
Median	15.7	9.88	156.4	13.6	7.21	93	0.28	2.1				
StDev	5.7	3.07	52.1	9.8	0.46	653	0.23	0.8				
25th	10.6	7.98	90.2	8.8	7.06	11	0.19	1.8				
75th	17.6	14.13	177.4	20.8	7.31	261	0.55	2.6				

Salem Urban Stream Sampling Data

City of Salem

Claggett Creek at Hawthorne/Hyacinth N

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
CGT 5	9/14/2004	13:25	Sunny	JVH	18.2	4.5	62.4	11.6	6.98	98	0.05	2.8
CGT 5	10/12/2004	13:00	Sunny	JVH	13.8	4.2	57.9	17.5	6.89	42	0.05	1.8
CGT 5	11/16/2004	14:15	Sunny	CC	10.8	4.38	52.5	23.2	6.86	579	0.28	3.4
CGT 5	12/14/2004	13:50	Cloudy/No Rain	JVH	10.6	9.42	53.9	16.6	7.18	238	0.41	2.1
CGT 5	1/11/2005	13:20	Sunny	JVH	3.8	10.9	66.8	15.9	7.31	517	0.43	1.6
CGT 5	2/15/2005	13:05	Sunny	JVH	4.8	10.25	110.9	18.6	7.15	21	0.3	2.4
CGT 5	3/15/2005	13:25	Sunny	JVH	11.3	6	146.1	22.6	7.26	33	0.04	2.6
CGT 5	4/12/2005	13:45	Cloudy/No Rain	JVH	10	10.77	88.9	16.1	7.04	579	0.55	3.2
CGT 5	5/12/2005	13:40	Cloudy/No Rain	JVH	14.3	7.82	154.1	8.3	7.2	411	0.96	1.7
CGT 5Dup	10/12/2004	13:00	Sunny	JVH	13.8	4.19	58	18.3	6.89	25	0.05	1.8
CGT 5Dup	11/16/2004	14:15	Sunny	CC	10.8	4.38	52.5	23.3	6.85	687	0.28	3.5
CGT 5Dup	1/11/2005	13:20	Sunny	JVH	3.8	10.91	66.8	15.7	7.29	461	0.43	1.7
CGT 5Dup	5/12/2005	13:40	Cloudy/No Rain	JVH	14.3	7.82	154.1	8.7	7.15	228	1.22	2

Count	13	13	13	13	13	13	13	13	13	13	13	13
Average	10.8	7.35	86.5	16.6	7.08	301	0.39	2.4				
Min	3.8	4.19	52.5	8.3	6.85	21	0.04	1.6				
Max	18.2	10.91	154.1	23.3	7.31	687	1.22	3.5				
Median	10.8	7.82	66.8	16.6	7.15	238	0.30	2.1				
StDev	4.4	2.85	40.5	4.9	0.17	247	0.36	0.7				
25th	10.0	4.38	57.9	15.7	6.89	42	0.05	1.8				
75th	13.8	10.25	110.9	18.6	7.20	517	0.43	2.8				

Salem Urban Stream Sampling Data

City of Salem

Clark Creek at Bush Park

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
CLA 1	7/13/2004	11:30	Sunny	JC	17.7	9.18	86.3	3.1	6.68	921	1.22	1.1
CLA 1	8/17/2004	10:50	Sunny	JC	18.6	7.42	88.4	7.4	6.76	1120	1.12	0.8
CLA 1	9/14/2004	11:00	Sunny	CC	16	10.46	83.6	3.6	7.23	1046	0.98	1.6
CLA 1	10/12/2004	11:10	Sunny	JC				5	6.2	308	1.03	1.2
CLA 1	11/16/2004	11:05	Cloudy/No Rain	JVH	11.5	10.55	80	4.2	7.02	1120	1.11	1.2
CLA 1	12/14/2004	10:45	Cloudy/No Rain	CC	11.2	9.29	52.6	19	7.19	1120	0.9	2.5
CLA 1	1/11/2005	11:30	Sunny	CC	7.3	10.38	81.9	3	7.25	308	1.69	1.3
CLA 1	2/16/2005	11:30	Sunny	CC	6.5	12.34	78.4	3.1	7.12	649	1.31	1.8
CLA 1	3/15/2005	11:00	Sunny	CC	9	10.47	78.2	5.4	7.19	201	1.07	1.2
CLA 1	4/12/2005	11:15	Cloudy/No Rain	CC	9.9	10.85	56.5	14.4	6.88	1733	0.95	2.3
CLA 1	5/12/2005	11:30	Cloudy/No Rain	CC	13.8	7.96	82.7	2.6	7.15	276	1.5	2.5

Count	10	10	10	11	11	11	11	11
Average	12.2	9.89	76.9	6.4	6.97	800	1.17	1.6
Min	6.5	7.42	52.6	2.6	6.20	201	0.90	0.8
Max	18.6	12.34	88.4	19.0	7.25	1733	1.69	2.5
Median	11.4	10.42	81.0	4.2	7.12	921	1.11	1.3
StDev	4.2	1.45	12.2	5.4	0.32	489	0.24	0.6
25th	9.2	9.21	78.3	3.1	6.82	308	1.01	1.2
75th	15.5	10.53	83.4	6.4	7.19	1120	1.27	2.1

Salem Urban Stream Sampling Data

City of Salem

Clark Creek at Ewald St. SE

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
CLA 10	7/13/2004	10:20	Sunny	CC	15.7	8.46	58.1	3.8	6.75	59	1.36	0.8
CLA 10	8/17/2004	9:25	Sunny	JVH	16.5	8.73	60.7	4.5	6.6	361	1.27	0.9
CLA 10	9/14/2004	9:55	Sunny	JVH	15.9	8.11	62.7	4	7.01	178	1.16	1.3
CLA 10	10/12/2004	9:25	Sunny	JVH	15	8.13	58	5.2	6.89	488	1.09	0.2
CLA 10	11/16/2004	10:00	Cloudy/No Rain	CC	13.3	7.31	61.4	3.2	7.31	276	1.22	0.9
CLA 10	12/14/2004	9:50	Cloudy/No Rain	JVH	12	9.51	53.9	8.4	7.08	276	1.32	1.4
CLA 10	1/11/2005	9:50	Sunny	JVH	10.2	9.29	57.1	3.7	7.2	76	1.59	1.2
CLA 10	2/15/2005	9:35	Sunny	JVH	9	9.07	54.8	3.2	7.04	91	1.3	1.5
CLA 10	3/15/2005	9:35	Sunny	JVH	10.3	9.3	53.4	4.4	7.32	105	1.22	0.6
CLA 10	4/12/2005	9:40	Cloudy/No Rain	JVH	10.7	10.04	53	11.7	7.02	687	1.61	1.8
CLA 10	5/12/2005	9:50	Cloudy/No Rain	JVH	13	8.97	58.8	4	7.14	126	1.6	1.1
CLA 1Dup	5/12/2005	11:30	Cloudy/No Rain	CC	13.8	7.96	82.7	2.6	7.15	58	1.48	1.5

Count	12	12	12	12	12	12	12	12
Average	13.0	8.74	59.6	4.9	7.04	232	1.35	1.1
Min	9.0	7.31	53.0	2.6	6.60	58	1.09	0.2
Max	16.5	10.04	82.7	11.7	7.32	687	1.61	1.8
Median	13.2	8.85	58.1	4.0	7.06	152	1.31	1.2
StDev	2.5	0.77	8.0	2.6	0.21	197	0.18	0.4
25th	10.6	8.13	54.6	3.6	6.98	87	1.22	0.9
75th	15.2	9.29	60.9	4.7	7.16	297	1.51	1.4

Salem Urban Stream Sampling Data

City of Salem

Croisan Creek at Courthouse Athletic Club

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
CRO 1	7/13/2004	10:40	Sunny	CC	17	6.76	83.5	6.8	7.06	2419	0.39	1.3
CRO 1	8/17/2004	9:45	Sunny	JVH	17.5	4.46	93.1	6.8	6.41	66	0.35	1.2
CRO 1	9/14/2004	10:10	Sunny	JVH	14.2	5.83	84.3	6.8	7.13	326	0.36	1.6
CRO 1	10/12/2004	9:40	Sunny	JVH	11.3	8.09	86.4	5.5	7.06	326	0.4	0.4
CRO 1	11/16/2004	10:20	Cloudy/No Rain	CC	9.2	9.89	78.1	4.6	7.05	96	0.33	1.2
CRO 1	12/14/2004	10:05	Cloudy/No Rain	JVH	9.8	10.16	61.3	16	7.19	178	1.16	1.7
CRO 1	1/11/2005	10:05	Sunny	JVH	3.9	12.83	64.2	5.1	7.36	51	1.08	1.7
CRO 1	2/15/2005	9:50	Sunny	JVH	2.2	12.57	62.4	4.3	7.26	34	0.66	1.8
CRO 1	3/15/2005	9:50	Sunny	JVH	5.8	11.48	65.8	4.6	7.34	116	0.4	1
CRO 1	4/12/2005	9:55	Cloudy/No Rain	JVH	8.7	11.47	59.6	12.4	7.12	365	0.88	1.9
CRO 1	5/12/2005	10:05	Cloudy/No Rain	JVH	11.4	10.27	61.6	10.2	7.19	166	0.61	1.3

Count	11	11	11	11	11	11	11	11
Average	10.1	9.44	72.8	7.6	7.11	377	0.60	1.4
Min	2.2	4.46	59.6	4.3	6.41	34	0.33	0.4
Max	17.5	12.83	93.1	16.0	7.36	2419	1.16	1.9
Median	9.8	10.16	65.8	6.8	7.13	166	0.40	1.3
StDev	4.9	2.79	12.4	3.8	0.25	688	0.31	0.4
25th	7.3	7.43	62.0	4.9	7.06	81	0.38	1.2
75th	12.8	11.48	83.9	8.5	7.23	326	0.77	1.7

Salem Urban Stream Sampling Data

City of Salem

Croisan Creek at Ballyntyne Rd. S

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
CRO 10	7/13/2004	11:00	Sunny	CC	16.9	5.72	59	12.7	6.74	132	0.22	1.5
CRO 10	8/17/2004	10:10	Sunny	JVH	17.3	7.01	66.4	27.3	6.49	1046	0.24	1.8
CRO 10	9/14/2004	10:35	Sunny	JVH	15	5.7	67.1	9	7.07	161	0.14	1.8
CRO 10	10/12/2004	10:00	Sunny	JVH	12.7	8.34	58	8.8	6.94	130	0.2	0.5
CRO 10	11/16/2004	10:45	Cloudy/No Rain	CC	9.4	7.39	46.1	5.4	6.85	30	0.28	1.2
CRO 10	12/14/2004	10:25	Cloudy/No Rain	JVH	9.5	9.02	42.6	8.8	7.21	66	1.58	1.6
CRO 10	1/11/2005	10:30	Sunny	JVH	4.8	10.79	38.7	4.8	7.38	17	1.05	1.4
CRO 10	2/15/2005	10:15	Sunny	JVH	4.3	10.05	38.4	4.4	7.4	37	0.73	2.1
CRO 10	3/15/2005	10:15	Sunny	JVH	8	10.18	40.8	4.5	7.44	31	0.37	1.4
CRO 10	4/12/2005	10:15	Cloudy/No Rain	JVH	8.7	9.04	38	7.6	7.31	30	0.88	2.6
CRO 10	5/12/2005	10:30	Cloudy/No Rain	JVH	11.5	9.1	38.5	8.1	7.31	80	0.52	1.7

Count	11	11	11	11	11	11	11	11
Average	10.7	8.39	48.5	9.2	7.10	160	0.56	1.6
Min	4.3	5.70	38.0	4.4	6.49	17	0.14	0.5
Max	17.3	10.79	67.1	27.3	7.44	1046	1.58	2.6
Median	9.5	9.02	42.6	8.1	7.21	66	0.37	1.6
StDev	4.4	1.74	11.7	6.5	0.31	298	0.45	0.5
25th	8.4	7.20	38.6	5.1	6.90	31	0.23	1.4
75th	13.9	9.58	58.5	8.9	7.35	131	0.81	1.8

Salem Urban Stream Sampling Data

City of Salem

Gibson Creek at Wallace Rd.NW

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
GIB 1	6/16/2004	12:55	Sunny	CC	15.5	6.2	96.9	9.6	7.21	111	0.58	1.4
GIB 1	7/13/2004	13:30	Sunny	JC	18.8	7.23	113.4	11.3	6.7	87	0.32	0.9
GIB 1	8/17/2004	13:00	Sunny	JC						249		
GIB 1	9/14/2004	12:15	Sunny	CC	15.1	6.61	116.5	11.9	6.89	345	0.36	1.5
GIB 1	10/12/2004	13:00	Sunny	JC				10.1	6.24	57	0.38	0.5
GIB 1	11/16/2004	12:55	Cloudy/No Rain	JVH	9.6	9.68	90.6	12	7.02	345	0.81	1.1
GIB 1	12/14/2004	11:30	Light Rain	CC	9.4	8.59	80	22.6	7.04	76	2.06	1.5
GIB 1	1/11/2005	13:00	Sunny	CC	4.3	9.3	79.1	9.3	7.06	23	1.98	1.2
GIB 1	2/16/2005	14:00	Sunny	CC	4.8	11.23	77.6	6.6	7.06	18	1.43	2
GIB 1	3/15/2005	11:45	Sunny	CC	8.1	9.75	84.2	6.5	6.88	18	0.92	0.9
GIB 1	4/12/2005	13:45	Cloudy/No Rain	CC	9.8	10.61	68.2	25.7	7.03	178	1.49	1.9
GIB 1	5/12/2005	13:45	Cloudy/No Rain	CC	13.3	8.31	78.8	8.9	7	411	1.27	1.4

Count	10	10	10	11	11	12	11	11
Average	10.9	8.75	88.5	12.2	6.92	160	1.05	1.3
Min	4.3	6.20	68.2	6.5	6.24	18	0.32	0.5
Max	18.8	11.23	116.5	25.7	7.21	411	2.06	2.0
Median	9.7	8.95	82.1	10.1	7.02	99	0.92	1.4
StDev	4.7	1.68	15.9	6.2	0.26	143	0.63	0.4
25th	8.4	7.50	78.9	9.1	6.89	49	0.48	1.0
75th	14.7	9.73	95.3	12.0	7.05	273	1.46	1.5

Salem Urban Stream Sampling Data

City of Salem

Gibson Creek at Brush College Rd. NW

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
GIB 15	9/14/2004	12:30	Sunny	CC	15.4	8.13	97.2	5.4	6.97	45	0.11	1.3
GIB 15	10/12/2004	13:30	Sunny	JC				9.4	6.25	26	0.22	0.6
GIB 15	11/16/2004	13:10	Cloudy/No Rain	JVH	9.7	8.84	82.5	11.7	7.07	22	1.31	1.1
GIB 15	12/14/2004	12:00	Light Rain	CC	9.5	8.07	85.2	37.6	6.8	24	3.47	1.5
GIB 15	1/11/2005	13:30	Sunny	CC	4.5	14.68	79.3	17.1	6.97	16	3.32	1.4
GIB 15	2/16/2005	14:15	Sunny	CC	5.3	10.82	78.5	5.9	7.08	12	3.14	1.7
GIB 15	3/15/2005	13:45	Sunny	CC	10.1	8.78	26.5	7.1	6.81	2	1.97	0.8
GIB 15	4/12/2005	14:15	Sunny	CC	9.9	10.76	62.6	20.2	6.9	44	2.4	1.6
GIB 15	5/12/2005	14:00	Cloudy/No Rain	CC	13.3	8.1	80.8	11.3	6.93	21	2.27	1.4
GIB 15Dup	3/15/2005	13:45	Sunny	CC	10.1	8.78	26.5	7	6.84	3	1.94	0.8

Count	9	9	9	10	10	10	10	10
Average	9.8	9.66	68.8	13.3	6.86	22	2.02	1.2
Min	4.5	8.07	26.5	5.4	6.25	2	0.11	0.6
Max	15.4	14.68	97.2	37.6	7.08	45	3.47	1.7
Median	9.9	8.78	79.3	10.4	6.92	22	2.12	1.4
StDev	3.4	2.16	25.6	9.8	0.24	15	1.19	0.4
25th	9.5	8.13	62.6	7.0	6.82	13	1.47	0.9
75th	10.1	10.76	82.5	15.8	6.97	26	2.96	1.5

Salem Urban Stream Sampling Data

City of Salem

Glenn Creek at River Bend Rd. NW

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli	NO2+NO3 (mg/L)	BOD (mg/L)
GLE 1	7/13/2004	13:00	Sunny	JC	17.8	8.35	111.2	7.4	6.68	411	0.6	0.6
GLE 1	8/17/2004	12:30	Sunny	JC	17.9	5.97	84.9	11.3	6.83	2419	0.27	0.8
GLE 1	9/14/2004	12:00	Sunny	CC	15.1	8.17	98.1	8	6.95	1120	0.38	1.5
GLE 1	10/12/2004	12:30	Sunny	JC				5.9	6.15	488	0.54	0.3
GLE 1	11/16/2004	12:40	Cloudy/No Rain	JVH	10.5	9.61	84.6	7.6	7.04	866	0.39	1.3
GLE 1	12/14/2004	11:00	Light Rain	CC	10.3	8.76	73	12.9	7.07	167	1.36	1.4
GLE 1	1/11/2005	12:45	Sunny	CC	5	10.25	85.5	5.2	7.1	121	1.49	1.4
GLE 1	2/16/2005	13:30	Sunny	CC	5.3	13.49	84	4.3	6.93	225	0.83	2.3
GLE 1	3/15/2005	11:30	Sunny	CC	8.3	10.06	89.1	18.4	6.95	980	0.33	1.1
GLE 1	4/12/2005	13:30	Cloudy/No Rain	CC	10	10.86	77.4	13	7.02	88	1.35	2
GLE 1	5/12/2005	13:30	Cloudy/No Rain	CC	13	8.9	86.9	6.9	7.05	228	1.22	1.4

Count	10	10	10	11	11	11	11	11
Average	11.3	9.44	87.5	9.2	6.89	647	0.80	1.3
Min	5.0	5.97	73.0	4.3	6.15	88	0.27	0.3
Max	17.9	13.49	111.2	18.4	7.10	2419	1.49	2.3
Median	10.4	9.26	85.2	7.6	6.95	411	0.60	1.4
StDev	4.6	1.97	10.6	4.2	0.27	691	0.47	0.6
25th	8.7	8.45	84.2	6.4	6.88	196	0.39	1.0
75th	14.6	10.20	88.6	12.1	7.05	923	1.29	1.5

Salem Urban Stream Sampling Data

City of Salem

Glenn Creek at Hidden Valley Dr. NW

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
GLE 10	7/13/2004	14:15	Sunny	JC	17.4	4.8	67.4	3.6	6.39	172	0.08	0.7
GLE 10	9/14/2004	13:00	Sunny	CC	14.8	2.58	72.8	16.3	6.69	249	0.34	3.2
GLE 10	10/12/2004	14:00	Sunny	JC				2.7	6.3	36	0.07	0.2
GLE 10	11/16/2004	13:35	Cloudy/No Rain	JVH	9.4	9.99	43.2	1	7.19	10	0.32	1.1
GLE 10	12/14/2004	12:30	Light Rain	CC	9.1	8.8	56.3	9.1	6.96	6	2.54	1.2
GLE 10	1/11/2005	13:45	Sunny	CC	5.6	13.42	48.2	3.7	7.1	7	1.81	1.2
GLE 10	2/16/2005	14:30	Sunny	CC	6.2	8.67	45.1	2.2	7.01	5	1.17	1.8
GLE 10	3/15/2005	14:15	Sunny	CC	9.4	8.22	43.9	2.8	6.98	1	0.59	0.7
GLE 10	4/12/2005	14:30	Sunny	CC	9.2	10.14	49.1	20.2	7.09	12	1.5	1.4
GLE 10	5/12/2005	14:30	Cloudy/No Rain	CC	11.6	7.85	50.2	8.8	7.06	6	1.04	1.2
GLE 10Dup	11/16/2004	13:35	Cloudy/No Rain	JVH	9.4	10.02	43.2	1	7.17	6	0.32	0.9

Count	10	10	10	11	11	11	11	11
Average	10.2	8.45	51.9	6.5	6.90	46	0.89	1.2
Min	5.6	2.58	43.2	1.0	6.30	1	0.07	0.2
Max	17.4	13.42	72.8	20.2	7.19	249	2.54	3.2
Median	9.4	8.74	48.7	3.6	7.01	7	0.59	1.2
StDev	3.6	3.00	10.4	6.5	0.31	83	0.80	0.8
25th	9.1	7.94	44.2	2.5	6.83	6	0.32	0.8
75th	11.1	10.01	54.8	9.0	7.10	24	1.34	1.3

Salem Urban Stream Sampling Data

City of Salem

Little Pudding River at Cordon Rd. SE

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
LPW 1	9/14/2004	12:55	Sunny	JVH	20.9	8.37	75.4	5.3	7.04	120	0.06	2.7
LPW 1	10/12/2004	12:40	Sunny	JVH	16.5	7.34	74.7	8.7	6.76	194	0.05	1.1
LPW 1	11/16/2004	13:30	Cloudy/No Rain	CC	11.8	8.19	81.9	10	7.26	1733	0.05	2.1
LPW 1	12/14/2004	13:25	Cloudy/No Rain	JVH	10.5	9.85	109	7.1	7.01	517	1.95	1.6
LPW 1	1/11/2005	13:00	Sunny	JVH	3.5	14.28	140.1	10	7.13	86	2.36	1.7
LPW 1	2/15/2005	12:45	Sunny	JVH	5.4	13.87	193.4	18.8	7.03	93	1.61	2.8
LPW 1	4/12/2005	13:15	Light Rain	JVH	10.6	14.71	149.1	5.7	6.84	345	1.86	2.5
LPW 1	5/12/2005	13:25	Cloudy/No Rain	JVH	15.6	8.18	191.9	2.6	6.95	344	1.67	1.5
LPW 1Dup	9/14/2004	12:55	Sunny	JVH	21.1	8.4	75.5	4.9	7.01	244	0.05	3
LPW 1Dup	12/14/2004	13:25	Cloudy/No Rain	JVH	10.5	9.87	109	7.5	6.99	378	1.91	1.5
LPW 1Dup	4/12/2005	13:15	Light Rain	JVH	10.6	14.7	149	5.7	6.76	326	1.82	2.6

Count	11	11	11	11	11	11	11	11	11
Average	12.5	10.71	122.6	7.8	6.98	398	1.22	2.1	
Min	3.5	7.34	74.7	2.6	6.76	86	0.05	1.1	
Max	21.1	14.71	193.4	18.8	7.26	1733	2.36	3.0	
Median	10.6	9.85	109.0	7.1	7.01	326	1.67	2.1	
StDev	5.6	3.02	45.0	4.3	0.15	463	0.94	0.6	
25th	10.5	8.28	78.7	5.5	6.90	157	0.06	1.6	
75th	16.1	14.08	149.1	9.4	7.04	362	1.89	2.7	

Salem Urban Stream Sampling Data

City of Salem

Mill Creek at Front Street Bridge

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
MIC 1	7/13/2004	10:00	Sunny	CC	19.2	8.76	51.8	4.6	6.91	411	0.15	1
MIC 1	8/17/2004	8:55	Sunny	JVH	18.9	8.87	43.9	6	6.64	548	0.17	1
MIC 1	9/14/2004	9:25	Sunny	JVH	15.1	9.73	45.4	4.8	7.18	816	0.16	1.6
MIC 1	10/12/2004	8:55	Sunny	JVH	13.1	10.23	54.8	13.6	6.97	313	0.69	0.3
MIC 1	11/16/2004	9:30	Cloudy/No Rain	CC	10	10.99	66.4	4.8	6.67	142	1.4	1.5
MIC 1	12/14/2004	9:25	Cloudy/No Rain	JVH	9.7	10.18	83.3	16.8	7	161	4.05	1.6
MIC 1	1/11/2005	9:25	Sunny	JVH	3.9	13.23	79.9	6.7	7.3	126	2.96	1.3
MIC 1	2/15/2005	9:10	Sunny	JVH	4.2	13.02	72.3	3.8	7.09	88	2.05	2
MIC 1	3/15/2005	9:05	Sunny	JVH	9.1	10.83	63.6	3.7	7.21	132	1.14	1.2
MIC 1	4/12/2005	9:15	Light Rain	JVH	9.7	11.4	75.5	11.9	6.97	2419	2.71	1.8
MIC 1	5/12/2005	9:20	Cloudy/No Rain	JVH	12	10.85	74.1	15.1	7	435	2.61	1.3

Count	11	11	11	11	11	11	11	11	11	11	11	11
Average	11.4	10.74	64.6	8.3	6.99	508	1.64	1.3				
Min	3.9	8.76	43.9	3.7	6.64	88	0.15	0.3				
Max	19.2	13.23	83.3	16.8	7.30	2419	4.05	2.0				
Median	10.0	10.83	66.4	6.0	7.00	313	1.40	1.3				
StDev	5.1	1.45	13.8	5.0	0.21	672	1.33	0.5				
25th	9.4	9.96	53.3	4.7	6.94	137	0.43	1.1				
75th	14.1	11.20	74.8	12.8	7.14	492	2.66	1.6				

Salem Urban Stream Sampling Data

City of Salem

Mill Creek at Walling Sand and Gravel

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
MIC 10	7/13/2004	13:00	Sunny	CC	18.9	8.32	42.4	6.1	7.5	579	0.28	1.1
MIC 10	8/17/2004	11:55	Sunny	JVH	18.1	9.35	39.3	6.8	6.47	411	0.17	1
MIC 10	9/14/2004	12:15	Sunny	JVH	14.7	9.23	39.2	5.3	7.38	770	0.15	1.6
MIC 10	10/12/2004	11:25	Sunny	JVH	13.3	10.11	48.5	6.3	7.06	140	0.64	0.6
MIC 10	11/16/2004	13:00	Cloudy/No Rain	CC	11	10.22	65.9	8	7.23	138	1.58	1.5
MIC 10	12/14/2004	13:00	Cloudy/No Rain	JVH	10.2	10.62	81.7	17.5	7.1	201	4.15	1.7
MIC 10	1/11/2005	11:30	Sunny	JVH	3.7	13.44	73.7	6.5	7.38	34	2.84	1.6
MIC 10	2/15/2005	12:15	Sunny	JVH	4.6	13.28	66.5	4.3	7.29	53	2.15	2.2
MIC 10	3/15/2005	11:35	Sunny	JVH	8.3	11.86	58.6	4.4	7.53	47	1.18	1.2
MIC 10	4/12/2005	11:40	Light Rain	JVH	9	11.96	75.5	10.2	7.1	105	2.98	2.2
MIC 10	5/12/2005	11:55	Light Rain	JVH	12	9.41	70.5	10.6	7.3	219	2.64	0.7
MIC 10Dup	8/17/2004	11:55	Sunny	JVH	18.1	9.35	39.3	7.1	6.48	548	0.15	0.9

Count	12	12	12	12	12	12	12	12	12	12	12	12
Average	11.8	10.60	58.4	7.8	7.15	270	1.58	1.4				
Min	3.7	8.32	39.2	4.3	6.47	34	0.15	0.6				
Max	18.9	13.44	81.7	17.5	7.53	770	4.15	2.2				
Median	11.5	10.17	62.3	6.7	7.26	171	1.38	1.4				
StDev	5.1	1.67	15.9	3.6	0.35	246	1.36	0.5				
25th	8.8	9.35	41.6	5.9	7.09	92	0.25	1.0				
75th	15.6	11.89	71.3	8.6	7.38	445	2.69	1.6				

Salem Urban Stream Sampling Data

City of Salem

Mill Race at Fire Station 1

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
MRA 1	7/13/2004	10:30	Sunny	JC	19.1	9.04	51.7	5.6	6.58	219	0.21	1.1
MRA 1	8/17/2004	9:55	Sunny	JC	18.9	7.81	44.8	7.1	6.62	326	0.11	0.9
MRA 1	9/14/2004	10:15	Sunny	CC	15.1	10.92	45.3	4.8	7	435	0.14	1.7
MRA 1	10/12/2004	10:15	Sunny	JC				10.2	6.26	172	0.65	1.3
MRA 1	11/16/2004	10:20	Cloudy/No Rain	JVH	10.1	11.39	71.2	7.3	7.07	108	1.49	1.5
MRA 1	12/14/2004	10:00	Cloudy/No Rain	CC	9.7	10.7	85	18.2	7.07	192	4.06	1.9
MRA 1	1/11/2005	10:45	Sunny	CC	3.7	10.97	80.5	7.6	6.98	57	2.78	1.8
MRA 1	2/16/2005	10:30	Sunny	CC	4.2	13.44	73.1	4	6.96	38	2.08	2.2
MRA 1	3/15/2005	10:15	Sunny	CC	9.3	9.85	63.3	4.7	6.83	131	1	1.1
MRA 1	4/12/2005	10:30	Light Rain	CC	9.6	11.59	80.3	10.9	6.95	150	2.54	2.3
MRA 1	5/12/2005	11:15	Cloudy/No Rain	CC	12.2	10.07	74.9	12.5	7.1	201	2.57	2.1

Count	10	10	10	11	11	11	11	11
Average	11.2	10.58	67.0	8.4	6.86	184	1.60	1.6
Min	3.7	7.81	44.8	4.0	6.26	38	0.11	0.9
Max	19.1	13.44	85.0	18.2	7.10	435	4.06	2.3
Median	9.9	10.81	72.2	7.3	6.96	172	1.49	1.7
StDev	5.3	1.53	15.0	4.2	0.26	115	1.31	0.5
25th	9.4	9.91	54.6	5.2	6.73	120	0.43	1.2
75th	14.4	11.29	79.0	10.6	7.04	210	2.56	2.0

Salem Urban Stream Sampling Data

City of Salem

Mill Race at Mill Race Park

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
MRA 10	7/13/2004	9:00	Sunny	JC	18.8	8.7	39	4.9	6.5	291	0.21	1
MRA 10	8/17/2004	8:50	Sunny	JC	18.5	8.11	44.8	6.3	6.46	411	0.01	1
MRA 10	9/14/2004	9:30	Sunny	CC	14.8	10.64	45.1	5.6	6.75	299	0.15	1.5
MRA 10	10/12/2004	9:00	Sunny	JC	13	9.62	54.4	5.1	6.46	214	0.66	1.3
MRA 10	11/16/2004	9:10	Cloudy/No Rain	JVH	10	10.97	71.5	8.4	7.11	137	1.52	1.6
MRA 10	12/14/2004	9:30	Cloudy/No Rain	CC	9.7	11.04	85	18.7	7.13	214	3.9	1.5
MRA 10	1/11/2005	9:45	Sunny	CC	3.6	11.45	80.4	7.2	7.16	78	2.77	1.7
MRA 10	2/16/2005	9:45	Sunny	CC	3.9	12.76	72.7	4.3	6.92	48	2.06	2.1
MRA 10	3/15/2005	9:45	Sunny	CC	8.9	10.48	63.2	3.8	6.94	172	1	1.4
MRA 10	4/12/2005	9:45	Cloudy/No Rain	CC	9.4	11.18	79.3	10.7	6.85	119	2.61	2.1
MRA 10	5/12/2005	10:00	Cloudy/No Rain	CC	11.9	10.26	69.5	12.3	6.96	365	2.58	2
MRA 1Dup	9/14/2004	10:15	Sunny	CC	15.1	10.92	45.3	4.9	7.05	435	0.15	1.6

Count	12	12	12	12	12	12	12	12
Average	11.5	10.51	62.5	7.7	6.86	232	1.47	1.6
Min	3.6	8.11	39.0	3.8	6.46	48	0.01	1.0
Max	18.8	12.76	85.0	18.7	7.16	435	3.90	2.1
Median	11.0	10.78	66.4	6.0	6.93	214	1.26	1.6
StDev	4.9	1.24	16.2	4.3	0.26	129	1.30	0.4
25th	9.3	10.10	45.3	4.9	6.69	133	0.20	1.4
75th	14.9	11.08	74.4	9.0	7.07	316	2.59	1.8

Salem Urban Stream Sampling Data

City of Salem

Pringle Creek at Riverfront Park

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
PRI 1	7/13/2004	9:30	Sunny	JC	19	8.99	52	4.4	6.54	435	0.22	0.9
PRI 1	8/17/2004	9:30	Sunny	JC	18.9	7.21	46	5.6	6.64	238	0.18	0.9
PRI 1	9/14/2004	9:45	Sunny	CC	15.1	10.4	46.5	5.1	6.99	435	0.16	1.6
PRI 1	10/12/2004	9:45	Sunny	JC	13.2	9.91	55.7	5.3	6.7	144	0.69	1.5
PRI 1	11/16/2004	10:00	Cloudy/No Rain	JVH	10.1	11.5	70.9	6.8	7.08	98	1.39	1.7
PRI 1	1/11/2005	10:15	Sunny	CC	3.9	11.22	79.8	6.5	6.85	55	2.63	1.7
PRI 1	2/16/2005	10:15	Sunny	CC	4.3	13.67	73.2	3.6	6.99	32	2.02	1.9
PRI 1	3/15/2005	10:00	Sunny	CC	9.2	10.54	64.1	4.6	6.8	98	0.98	1.8
PRI 1	4/12/2005	10:15	Cloudy/No Rain	CC	9.6	11.35	76.9	12.8	6.92	2419	2.34	2
PRI 1	5/12/2005	10:30	Cloudy/No Rain	CC	12	9.12	74.6	11.2	7.05	276	2.45	1.9
PRI 1Dup	1/11/2005	10:15	Sunny	CC	3.9	11.22	79.8	6.5	6.85	59	2.65	1.7

Count	11	11	11	11	11	11	11	11
Average	10.8	10.47	65.4	6.6	6.86	390	1.43	1.6
Min	3.9	7.21	46.0	3.6	6.54	32	0.16	0.9
Max	19.0	13.67	79.8	12.8	7.08	2419	2.65	2.0
Median	10.1	10.54	70.9	5.6	6.85	144	1.39	1.7
StDev	5.5	1.68	13.2	2.9	0.17	688	1.03	0.4
25th	6.8	9.52	53.9	4.9	6.75	79	0.46	1.6
75th	14.2	11.29	75.8	6.7	6.99	356	2.40	1.9

Salem Urban Stream Sampling Data

City of Salem

Pringle Creek at Bush Park

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
PRI 5	7/13/2004	11:50	Sunny	JC	20.1	8.87	94	3.6	6.72	231	0.35	1.2
PRI 5	8/17/2004	11:15	Sunny	JC	21.2	6.66	77.6	23.5	6.89	411	0.29	1
PRI 5	9/14/2004	11:00	Sunny	CC	16.9	9.83	94.5	5.4	7.05	816	0.37	2
PRI 5	10/12/2004	11:30	Sunny	JC				8.5	5.9	178	0.59	1.6
PRI 5	11/16/2004	11:10	Cloudy/No Rain	JVH	10.3	10.56	71.3	7.2	7.01	96	0.57	1.3
PRI 5	12/14/2004	10:45	Cloudy/No Rain	CC	10.4	8.87	69.4	20.2	7.26	93	1.27	1.8
PRI 5	1/11/2005	11:30	Sunny	CC	5.3	11.2	75.9	6.2	7.11	11	1.41	1.5
PRI 5	2/16/2005	11:30	Sunny	CC	5.5	13.28	73.1	4.2	7.03	23	1.11	2.3
PRI 5	3/15/2005	11:00	Sunny	CC	9.4	10.76	76.6	2.7	7.1	6	0.84	1.4
PRI 5	4/12/2005	11:15	Cloudy/No Rain	CC	10.1	10.88	65.9	13.8	6.92	1986	0.99	2.3
PRI 5	5/12/2005	11:30	Cloudy/No Rain	CC	14.3	9.05	78.4	4.1	7.29	328	1.09	1.6

Count	10	10	10	11	11	11	11	11
Average	12.4	10.00	77.7	9.0	6.93	380	0.81	1.6
Min	5.3	6.66	65.9	2.7	5.90	6	0.29	1.0
Max	21.2	13.28	94.5	23.5	7.29	1986	1.41	2.3
Median	10.4	10.20	76.3	6.2	7.03	178	0.84	1.6
StDev	5.6	1.78	9.6	7.1	0.38	583	0.39	0.4
25th	9.6	8.92	71.8	4.2	6.91	58	0.47	1.4
75th	16.3	10.85	78.2	11.2	7.11	370	1.10	1.9

Salem Urban Stream Sampling Data

City of Salem

Shelton Ditch at Church St. SE

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
SHE 1	7/13/2004	10:50	Sunny	JC	19	9.31	50.5	4.4	6.62	126	0.2	1
SHE 1	8/17/2004	10:20	Sunny	JC	18.9	7.46	43.2	7.5	6.68	228	0.16	1.1
SHE 1	9/14/2004	10:45	Sunny	CC	15	11.05	43.3	4.6	6.93	461	0.13	1.6
SHE 1	10/12/2004	10:40	Sunny	JC				4.6	6.5	108	0.64	1.2
SHE 1	11/16/2004	10:30	Cloudy/No Rain	JVH	10.1	10.85	70.6	7.1	7.06	93	1.19	1.3
SHE 1	12/14/2004	10:15	Sunny	CC	9.8	10.04	84.6	16.3	7.13	104	3.99	1.7
SHE 1	1/11/2005	11:00	Sunny	CC	3.7	10.95	79.2	6.2	6.8	38	2.72	1.5
SHE 1	2/16/2005	10:45	Sunny	CC	4.3	13.65	71.3	3.4	7.05	33	1.99	2.3
SHE 1	3/15/2005	10:45	Sunny	CC	9.5	9.47	61.1	3.1	7.05	35	0.98	1.3
SHE 1	4/12/2005	11:00	Cloudy/No Rain	CC	9.4	11.36	78.7	9	6.92	135	2.59	2
SHE 1	5/12/2005	11:00	Cloudy/No Rain	CC	11.8	10.14	73.7	11.5	7.03	387	2.56	1.6
SHE 1Dup	8/17/2004	10:20	Sunny	JC	18.9	7.46	43.2	7.5	6.68	210		
SHE 1Dup	2/16/2005	10:45	Sunny	CC	4.3	13.65	71.3	3.4	7.05	33	2.01	1.7

Count	12	12	12	13	13	13	12	12
Average	11.2	10.45	64.2	6.8	6.88	153	1.60	1.5
Min	3.7	7.46	43.2	3.1	6.50	33	0.13	1.0
Max	19.0	13.65	84.6	16.3	7.13	461	3.99	2.3
Median	10.0	10.50	71.0	6.2	6.93	108	1.59	1.6
StDev	5.7	1.97	15.4	3.8	0.21	136	1.24	0.4
25th	8.1	9.43	48.7	4.4	6.68	38	0.53	1.3
75th	16.0	11.13	75.0	7.5	7.05	210	2.57	1.7

Salem Urban Stream Sampling Data

City of Salem

Shelton Ditch at Airport Rd. SE

Site ID	Date	Time	Weather	Sampler Initials	Temp (°C)	DO (mg/L)	Cond (uS/cm)	Turb (NTUs)	pH	E.Coli #/100mL	NO2+NO3 (mg/L)	BOD (mg/L)
SHE 10	7/13/2004	8:30	Sunny	JC	18.8	8.54	47	5.3	6.48	73	0.23	1
SHE 10	8/17/2004	8:30	Sunny	JC	18.3	8.14	41.5	4.2	6.36	308	0.16	0.9
SHE 10	9/14/2004	9:00	Sunny	CC	14.6	10.69	42.4	5	6.53	326	0.14	1.9
SHE 10	10/12/2004	8:30	Sunny	JC	13	10.21	51.6	4.8	6.3	128	0.64	1.4
SHE 10	11/16/2004	9:30	Cloudy/No Rain	JVH	10.2	11.29	70.1	13.5	7.31	105	1.6	1.7
SHE 10	12/14/2004	9:15	Cloudy/No Rain	CC	9.7	11.33	83.6	16.9	6.66	111	4.02	1.8
SHE 10	1/11/2005	9:30	Sunny	CC	3.6	12.43	77.1	7.2	6.45	50	2.78	1.6
SHE 10	2/16/2005	9:15	Sunny	CC	3.8	13.55	69.3	4	6.6	29	2.22	1.8
SHE 10	3/15/2005	9:15	Sunny	CC	8.9	10.67	59.8	3.9	6.15	50	1.04	1.1
SHE 10	4/12/2005	9:15	Light Rain	CC	9.3	11.17	78.8	9.2	6.72	96	2.64	1.9
SHE 10	5/12/2005	9:30	Cloudy/No Rain	CC	11.6	10.39	71.9	12.9	6.78	326	2.59	1.6
SHE 10Dup	4/12/2005	9:15	Light Rain	CC	9.3	11.17	78.8	9.2	6.72	86	2.48	1.7

Count	12	12	12	12	12	12	12	12
Average	10.9	10.80	64.3	8.0	6.59	141	1.71	1.5
Min	3.6	8.14	41.5	3.9	6.15	29	0.14	0.9
Max	18.8	13.55	83.6	16.9	7.31	326	4.02	1.9
Median	10.0	10.93	69.7	6.3	6.57	101	1.91	1.7
StDev	4.8	1.47	15.2	4.4	0.30	112	1.27	0.4
25th	9.2	10.35	50.5	4.7	6.43	67	0.54	1.3
75th	13.4	11.30	77.5	10.1	6.72	173	2.60	1.8