

**South Washington Watershed District
Parameters Analyzed
Water Quality Data**

<i>Parameter</i>	<i>Abbreviation</i>	<i>Units</i>
Total Suspended Solids	TSS	mg/L
Volatile Suspended Solids	VSS	mg/L
Total Kjeldahl Nitrogen	TKN	mg/L
Total Phosphorus	TP	mg/L
Nitrite as Nitrogen	Nitrite	mg/L
Nitrate as Nitrogen	Nitrate	mg/L
Nitrate-Nitrite as Nitrogen	NOx	mg/L
Ammonia	NH3	mg/L
Fecal Coliform	Fecal	Colonies/100 mL
Chemical Oxygen Demand	COD	mg/L
Copper	Cu	mg/L
Nickel	Ni	mg/L
Lead	Pb	mg/L
Zinc	Zn	mg/L
Cadmium	Cd	mg/L
Chromium	Cr	mg/L
Chloride	Cl	mg/L
Hardness	Hardness	mg/L as CaCO3
Orthophosphorus	Ortho P	mg/L
Turbidity	Turbidity	NTU
Alkalinity	Alk	mg/L

Note:

Data values reported by the Washington Conservation District as “less than” a unit were presented as the unit value.

Example: < 0.0001 mg/L was presented as 0.0001 mg/L .

**South Washington Watershed District
MS1 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
21-Apr-00	7		0.97	0.19	0.03	0.58	0.61	0.02			0.016		0.0005	0.0073	0.0001			108	0.121		
8-May-00	33		1.3	0.26	0.05	0.52	0.57	0.08			0.0082		0.0005	0.0034	0.0001			76	0.136		
12-May-00	7		0.3	0.06	0.06	0.12	0.18	0.02			0.0046		0.0005	0.0013	0.0001			118	0.007		
16-May-00	5		0.5	0.11	0.05	0.17	0.22	0.02			0.0068		0.0005	0.003	0.0001			114	0.049		
18-May-00	20		0.99	0.18	0.06	0.14	0.20	0.05			0.0115		0.0005	0.0041	0.0001			74	0.076		
30-May-00	46		1.3	0.37	0.06	0.46	0.52	0.02			0.028		0.0005	0.0061	0.0001			48	0.191		
5-Jun-00	10		0.87	0.09	0.03	0.3	0.33	0.02			0.0184		0.0005	0.0071	0.0001			112	0.041		
14-Jun-00	2		0.48	0.05	0.03	0.13	0.16				0.0199		0.0005	0.0067	0.0001			118	0.069		
9-Jul-00	2460		2.1	1.2	0.23	0.34	0.57	0.06			0.0129		0.0006	0.0066	0.0002			42	0.148		
12-Jul-00	9		0.83	0.14	0.03	0.08	0.11	0.02			0.0125		0.0005	0.0034	0.0001			84	0.075		
25-Jul-00	4		0.47	0.08	0.03	0.1	0.13	0.02													
8-Aug-00	4		1.2	0.44	0.03	0.45	0.48	0.03										50	0.322		
17-Aug-00	97		1.4	0.42	0.08	0.13	0.21	0.02											0.19		
25-Aug-00	8		0.28	0.12	0.03	0.05	0.08	0.02			0.0107		0.0005	0.0042	0.0001			92	0.066		
26-Aug-00	650		1.9	0.96				0.25			0.0109		0.0005	0.0051	0.0001			60	0.271		
3-Sep-00	970		1.7	0.6	0.03	0.57	0.60	0.17			0.011		0.0005	0.0042	0.0001			56			

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
MS1 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
21-Mar-01	13		0.85	0.46	0.03	0.33	0.36	0.1			0.0096	0.002	0.0027	0.0178	0.0001	0.0026		30	0.343		
29-Mar-01	83		2	0.6	0.14	0.58	0.72	0.53			0.0142	0.0073	0.0055	0.045	0.0002	0.007		46	0.341	81	
3-Apr-01	36		1.7	0.22	0.03	0.3	0.33	0.69			0.0044	0.0025	0.001	0.0088	0.0001	0.0012					
3-Apr-01																					
4-Apr-01	23		1.1	0.29	0.03	0.23	0.26	0.7		38											
12-Apr-01	21		1	0.15	0.03	0.28	0.31	0.19		14	0.0023	0.0016	0.0005	0.0059	0.0001	0.0005			0.073	14	
23-Apr-01	48		1.1	0.14							0.0029	0.0022	0.0009	0.0073	0.0006	0.0013		84	0.024		
30-Apr-01	3		0.43	0.02	0.03	0.05	0.08	0.02		10	0.0024	0.0016	0.0005	0.0044	0.0002	0.0005		84			
4-May-01	2		0.44	0.04	0.03	0.11	0.14	0.02		8	0.007	0.0026	0.0005	0.0052	0.0002	0.0005		94			
6-May-01	606		2.3	1.1	0.06	0.25	0.31	0.02		196	0.0266	0.0174	0.0224	0.071	0.0008	0.0184		62			
22-May-01	88		0.85	0.19	0.03	0.16	0.19	0.02													
22-May-01	27		1.4	0.22	0.03	0.14	0.17	0.02			0.0084	0.0036	0.0015	0.0152	0.0002	0.0026		112	0.066		
6-Jun-01	16		0.59	0.07	0.03	0.1	0.13	0.02			0.002	0.0022	0.0005	0.0058	0.0001	0.0005		102	0.041		
11-Jun-01	1440		5.2	2.4	0.17	0.86	1.03	0.17			0.06	0.044	0.067	0.156	0.001	0.045		68	0.131		
14-Jun-01	86		1.5	0.28	0.03	0.65	0.68	0.09			0.0076	0.0045	0.0037	0.0169	0.0009	0.0039		78			
19-Jun-01	8		0.75	0.11	0.03	0.12	0.15	0.04			0.0029	0.002	0.0005	0.0034	0.0005	0.0007		98			
29-Jun-01	2		0.3	0.1	0.03	0.05	0.08	0.05			0.0026	0.0027	0.0005	0.0036	0.0001	0.0006		94	0.069		
18-Jul-01	15		2.4	0.35	0.1	0.23	0.33	0.41			0.0096	0.0049	0.0008	0.0103	0.0001	0.0018		92	0.241		
1-Aug-01	50		1.1	0.21	0.03	0.12	0.15	0.02			0.0076	0.0039	0.0027	0.0145	0.0001	0.0033		62			
18-Aug-01			1.5	0.59	0.04	0.24	0.28	0.03		46	0.0167	0.0068	0.0068	0.036	0.0006	0.0069		54			36

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
MS1 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
13-Mar-02	226		2	0.614	0.08	0.83	0.91	0.22		66	0.0111		0.0047	0.0253	0.0001						
28-Mar-02	153		1.8	0.476	0.05	0.32	0.37	0.29		61	0.0087		0.003	0.023	0.0001						
8-Apr-02	5	2	0.69	0.098	0.03	0.25	0.28	0.02		23	0.0035		0.0001	0.0062	0.0001						
11-Apr-02	320	30	2.7	0.733	0.07	0.37	0.44	0.08		87	0.0186		0.0094	0.043	0.0001						
18-Apr-02	28	4	0.51	0.087	0.03	0.05	0.08	0.02		25	0.003		0.0006	0.005	0.0001						
10-May-02	34	4	0.36	0.166	0.03	0.05	0.08	0.02		24	0.0045		0.0008	0.01	0.0003						
3-Jun-02	796	60	2.9	1.29	0.25	0.58	0.83	0.08		111	0.03		0.0167	0.061	0.0003						
6-Jun-02	342	34	1.7	0.472	0.06	0.12	0.18	0.04		82	0.0143		0.0071	0.028	0.0003						
8-Jun-02	572	52	2.3	0.766	0.06	0.4	0.46	0.16		75	0.0192		0.0125	0.042	0.0003						
11-Jun-02	560	60	2.6	1.09	0.08	0.71	0.79	0.1		114	0.022		0.0146	0.049	0.0005						
21-Jun-02	1720	190	6.6	1.94	0.17	0.52	0.69	0.14		125	0.051		0.05	0.133	0.0019						
9-Jul-02									930												
10-Jul-02	1020	100	1.7	0.755	0.14	0.52	0.66	0.02		87	0.0217		0.0152	0.049	0.0003						
4-Aug-02	600	48	1.1	1.07	0.09	0.31	0.40	0.1		101	0.0229		0.0156	0.051	0.0005						
14-Aug-02									22												
8-Oct-02	9	4	0.68	0.108	0.03	0.57	0.60	0.05		27	0.0017		0.0004	0.0056	0.00001						
10-Oct-02	19	4	0.87	0.173	0.03	0.13	0.16	0.1		23	0.0034		0.0008	0.0076	0.00001						
14-Oct-02									450												
25-Oct-02	2	2	0.28	0.041	0.03	0.09	0.12	0.02		19	0.0018		0.0001	0.0065	0.0001						
30-Oct-02									480												
14-Nov-02									4												

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**South Washington Watershed District
MS1 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
17-Mar-03	18	8	3.7	0.642	0.11	1.43	1.54	0.85		82	0.0096	0.0046	0.0007	0.0139	0.00006	0.0023	162				
31-Mar-03	6	3	0.74	0.096	0.03	0.05	0.08	0.02		28	0.0021	0.0016	0.0001	0.0033	0.00004	0.0003	89				
16-Apr-03	174	26	1.8	0.516	0.03	0.4	0.43	0.13		62	0.0111	0.0071	0.0054	0.03	0.0001	0.0089	67				
4-May-03	225	24	1.7	0.556	0.03	0.34	0.37	0.04		77	0.0146	0.008	0.0067	0.044	0.0013	0.0098	22				
9-May-03	462	54	1.8	0.597	0.03	0.23	0.26	0.11		55	0.013	0.0095	0.0076	0.036	0.0001	0.0101	26				
14-May-03	771	40	1.7	0.396	0.03	0.14	0.17	0.02		58	0.0101	0.0074	0.0061	0.032	0.0018	0.007	42				
25-Jun-03	1320	152	3.1	1.28	0.06	0.37	0.43	0.13		160	0.029	0.024	0.0221	0.097	0.0004	0.0234	7				
3-Jul-03	393	33	2	0.74	0.14	0.48	0.62	0.23		63	0.0126	0.0092	0.006	0.04	0.0015	0.0085	21				
15-Jul-03	636	84	1.2	0.558	0.08	0.24	0.32	0.08		95	0.0156	0.0138	0.0122	0.051	0.0004	0.015	12				
22-Jul-03									83												
20-Aug-03	14	6	1.2	0.165	0.06	0.45	0.51	0.02		62	0.0077	0.0024	0.0005	0.0156	0.00006	0.0022	11				
11-Sep-03	156	32	2.2	0.419	0.03	0.05	0.08	0.3		151	0.0143	0.0064	0.0038	0.067	0.0002	0.0073	7				
11-Sep-03	54	11	1.4	0.4	0.08	0.38	0.46	0.21		54	0.0071	0.0032	0.0018	0.021	0.0001	0.0042	5				
12-Sep-03	968	66	1.5	0.64	0.09	0.46	0.55	0.16		64	0.0138	0.0082	0.0053	0.039	0.0002	0.0097	6				
18-Sep-03	107	20	1.3	0.379	0.05	0.35	0.40	0.07		53	0.0092	0.0057	0.0035	0.028	0.0002	0.0057	8				

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*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
MS1 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
1-Mar-04	40	8	1.9	0.626	0.05	0.76	0.81	0.44		63	0.0096	0.0033	0.0019	0.027	0.00007	0.0031	95				
11-Mar-04	33	10	2.5	0.293	0.15	4.12	4.27	0.26		76	0.0068	0.0056	0.0006	0.0101	0.00005	0.0014	40				
19-Apr-04	392	64	3.5	0.822	0.1	0.78	0.88	0.56		112	0.0198	0.0089	0.008	0.075	0.0009	0.0099	39				
21-Apr-04	28	7	1.3	0.249	0.06	0.33	0.39	0.24		39	0.0231	0.0035	0.0022	0.023	0.0003	0.0053	56				
25-Apr-04	60	10	1	0.256	0.06	0.17	0.23	0.13		38	0.0089	0.0038	0.0026	0.025	0.0001	0.0043	35				
9-May-04	958	130	4.5	1.05	0.1	0.64	0.74	0.56		161	0.026	0.0166	0.0159	0.121	0.0003	0.0178	22				
13-May-04	138	20	1.8	0.4	0.07	0.21	0.28	0.21		63	0.0131	0.007	0.0049	0.04	0.0002	0.0085	18				
17-May-04	106	15	1.4	0.376	0.03	0.25	0.28	0.19		51	0.0098	0.0051	0.0035	0.028	0.0001	0.0052	26				
23-May-04	50	11	1.8	0.255	0.03	0.16	0.19	0.1		53	0.0081	0.0036	0.0017	0.0193	0.0001	0.0037	36				
27-May-04	151	19	1.3	0.293	0.03	0.2	0.23	0.13		58	0.0123	0.0067	0.0035	0.026	0.0002	0.0066	41				
29-May-04	212	28	1.2	0.436	0.03	0.14	0.17	0.1		62	0.0155	0.0098	0.0055	0.032	0.0003	0.0102	38				
30-May-04	288	32	1.4	0.428	0.03	0.17	0.20	0.06		70	0.0182	0.011	0.0062	0.034	0.0007	0.0106	49				
6-Jun-04	264	29	1.4	0.316	0.03	0.18	0.21	0.05		86	0.0124	0.0089	0.0054	0.028	0.0012	0.0089	51				
9-Jun-04	576	60	1.7	0.573	0.05	0.21	0.26	0.06		67	0.0189	0.0144	0.0088	0.039	0.0003	0.0143	33				
8-Jun-04									300												
11-Jun-04	1040	84			0.03	0.27	0.30	0.09		84	0.0222	0.0182	0.0136	0.05	0.0008	0.017	42				
11-Jul-04	173	33	1.9	0.921	0.07	0.41	0.48	0.02		108	0.028	0.0204	0.0157	0.064	0.0005	0.0192	13				
16-Aug-04			1	0.133	0.03	0.11	0.14	0.02		71							5				
15-Sep-04	275	21	1.4	0.453	0.04	0.19	0.23	0.05		60	0.0127	0.0135	0.0059	0.059	0.0017	0.0082	9				
28-Oct-04	335	50	1.8	0.641	0.04	0.64	0.68	0.22		83	0.0174	0.0133	0.0105	0.047	0.0016	0.0131	9				
1-Mar-04	40	8	1.9	0.626	0.05	0.76	0.81	0.44		63	0.0096	0.0033	0.0019	0.027	0.00007	0.0031	95				

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*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
MS2 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
8-May-00	23		1.9	0.2	0.04	0.08	0.12	0.18			0.0051		0.0005	0.0015	0.0001			118	0.041		
16-May-00	10		1.5	0.12	0.07	0.16	0.23	0.55			0.0055		0.0005	0.0009	0.0001			110	0.021		
18-May-00	21		1.4	0.12	0.08	0.17	0.25	0.53			0.0068		0.0005	0.0011	0.0001			92	0.021		
30-May-00	18		1.6	0.14	0.03	0.07	0.10	0.06			0.0217		0.0005	0.0024	0.0001			76	0.006		
1-Jun-00	24		1.4	0.14	0.03	0.37	0.40	0.13			0.0133		0.0005	0.0026	0.0001			74	0.015		
5-Jun-00	13		1.3	0.08	0.04	0.36	0.40	0.06			0.0135		0.0005	0.0047	0.0001			60	0.007		
14-Jun-00	14		1.2	0.08	0.03	0.05	0.08	0.02			0.028		0.0005	0.0073	0.0001			68	0.012		
10-Jul-00	19		1.7	0.17	0.03	0.05	0.08	0.02			0.0099		0.0005	0.0012	0.0003			52	0.02		
25-Jul-00	24		2.1	0.2	0.03	0.05	0.08	0.02			0.0041		0.0005	0.0021	0.0001			82	0.02		
8-Aug-00	18		2.2	0.19	0.03	0.05	0.08	0.02										94	0.008		
17-Aug-00	19		2.2	0.24	0.03	0.07	0.10	0.12											0.01		
25-Aug-00	18		1.8	0.15	0.03	0.05	0.08	0.02			0.008		0.0005	0.0048	0.0001			104	0.01		
26-Aug-00	57		2.1	0.38	0.05	0.12	0.17	0.3			0.0151		0.0005	0.011	0.0001			82	0.109		
29-Aug-00			1.2	0.17	0.42	0.29	0.71	0.02			0.0118		0.0005	0.054	0.0001			58			
6-Sep-00	13		1.6	0.13	0.03	0.09	0.12	0.03			0.0071		0.0005	0.0041	0.0001			54	0.022		
18-Sep-00	13		0.5	0.05	0.03	0.1	0.13	0.03			0.0081		0.0005	0.0127	0.0001			180	0.019		
3-Oct-00	19		1.8	0.15	0.03	0.05	0.08	0.02			0.007		0.0005	0.0027	0.0002			148	0.008		

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**South Washington Watershed District
MS2 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
23-Mar-01	13		3.3	0.44	0.03	0.37	0.40	1.53			0.007	0.0024	0.0006	0.0087	0.0001	0.0007		118	0.102		
29-Mar-01	9		2.6	0.42	0.03	0.64	0.67	1.07	6		0.0073	0.0021	0.0005	0.0087	0.0001	0.0006		112	0.198		
4-Apr-01	8		2.4	0.22	0.03	0.34	0.37	0.75		32											
12-Apr-01	8		1.3	0.16	0.03	0.5	0.53	0.22		19	0.004	0.0019	0.0005	0.005	0.0001	0.0005			0.046	8	
23-Apr-01	16		1.3	0.1							0.003	0.0014	0.0005	0.0036	0.0001	0.0005		54	0.023		
29-Apr-01	8		1.4	8.4	0.03	0.08	0.11	0.08		36	0.0123	0.0014	0.0005	0.0047	0.0005	0.0005					
4-May-01			1.5	0.17						29	0.0059	0.0024	0.0012	0.0096	0.0011	0.0011					
22-May-01	8		0.99	0.07	0.03	0.25	0.28	0.06											0.006		
24-May-01	42		1.2	0.13	0.03	0.29	0.32	0.11			0.0042	0.0025	0.001	0.0166	0.0007	0.0012		120			
6-Jun-01	1470		1.2	0.05	0.03	0.13	0.16	0.02			0.0024	0.0017	0.0005	0.002	0.0007	0.0005		110	0.005		
13-Jun-01	29		1.1	0.13	0.03	0.33	0.36	0.05			0.0058	0.0019	0.0006	0.0069	0.0016	0.001		84	0.005		
29-Jun-01	8		0.81	0.1	0.03	0.07	0.10	0.02			0.0025	0.0014	0.0005	0.0045	0.0001	0.0005		112	0.005		
16-Jul-01	10		0.93	0.07	0.03	0.05	0.08	0.02			0.002	0.0021	0.0005	0.0009	0.0001	0.0005		206	0.012		193
2-Aug-01	39		2	0.2	0.03	0.06	0.09	0.02			0.006	0.0026	0.0007	0.0074	0.0025	0.0006		152			
14-Aug-01	34		1.4	0.16	0.03	0.05	0.08	0.02		47	0.003	0.0027	0.0005	0.0037	0.0003	0.0005		204	0.005		
20-Sep-01	37		2.4	0.22	0.03	0.38	0.41	0.02		55	0.0033	0.0022	0.0005	0.0044	0.0008	0.0005		208			
24-Sep-01	35		2	0.21	0.03	0.32	0.35	0.11		45	0.0053	0.0023	0.0007	0.0076	0.0011	0.0005		178			

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
MS2 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
14-Mar-02	14		2	0.36	0.03	0.23	0.26	0.16		45	0.007					0					
1-Apr-02	8	7	1.5	0.15	0.03	0.05	0.08	0.02		29	0.003					0.0005					
8-Apr-02	6	8	1.2	0.11	0.03	0.05	0.08	0.02		32	0.003					0.0005					
11-Apr-02	14	5	1.3	0.11	0.03	0.19	0.22	0.02		29	0.004					0.0005					
18-Apr-02	18	5	1	0.13	0.03	0.05	0.08	0.02		30	0.006					0.0005					
22-Apr-02	14	8	1.6	0.14	0.03	0.07	0.10	0.03		32	0.002					0					
7-May-02	10	9	0.8	0.17	0.03	0.05	0.08	0.04		34	0.002					0.0005					
10-May-02			1.3	0.13	0.03	0.1	0.13	0.11		34	0.008					0					
12-Jun-02	14	8	1.3	0.11	0.03	0.05	0.08	0.02		47	0.006					0					
17-Jun-02	16	8	1.2	0.11	0.03	0.06	0.09	0.06		32	0.004					0.0002					
22-Jun-02	15	15	1.4	0.14	0.3	0.3	0.60	0.22		52	0.005					0					
9-Jul-02		6			0.04	0.1	0.14		77	29											
29-Jul-02	20	14	1.3	0.2	0.03	0.05	0.08	0.02		55	0.002					0.0002					
5-Aug-02	20	8	1.8	0.2	0.03	0.65	0.68	0.02		40	0.003					0					
14-Aug-02									170												
15-Aug-02	21		2	0.18				0.03			0.002					0					
8-Oct-02	14	14	1.5	0.15	0.03	0.05	0.08	0.09		46	0.002					0					
10-Oct-02	11		1.2	0.14				0.12			0.002					0					
14-Oct-02		6			0.03	0.13	0.16		39	30											
25-Oct-02	9	6	1	0.08	0.03	0.5	0.53	0.02		29	0.002					0					
30-Oct-02									8												
14-Nov-02									6												

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
MS2 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
17-Mar-03	10	7	3	0.73	0.03	0.69	0.72	0.9		61	0.0066	0.0015	0.0003	0.0083	0.00004	0.001	92				
31-Mar-03	8	6	1.5	0.13	0.03	0.44	0.47	0.33		32	0.0028	0.0021	0.0001	0.0037	0.00004	0.0003	61				
17-Apr-03	15	9	1.4	0.106	0.03	0.05	0.08	0.15		36	0.0099	0.0021	0.0004	0.0049	0.0002	0.0004	66				
7-May-03	11	7	1.3	0.139	0.03	0.05	0.08	0.06		46	0.0069	0.0018	0.0004	0.0174	0.0021	0.0006	44				
10-May-03	12	8	1.8	0.177	0.03	0.1	0.13	0.33		28	0.0143	0.0015	0.0005	0.0062	0.0003	0.0005	36				
15-May-03	13	12	1.6	0.133	0.03	0.05	0.08	0.07		67	0.0024	0.0013	0.0001	0.0029	0.00004	0.0002	49				
25-Jun-03	27	14	2	0.205	0.03	0.1	0.13	0.17		46	0.011	0.0018	0.0007	0.0046	0.0002	0.0002	27				
22-Jul-03									10												
31-Aug-03	21	16	2	0.13	0.03	0.05	0.08	0.07		48	0.0031	0.0018	0.0002	0.003	0.0005	0.0004	39				
11-Aug-03	26	13	1.7	0.086	0.03	0.05	0.08	0.14		31	0.0022	0.002	0.0002	0.0028	0.0002	0.0003	36				
28-Aug-03	38	18	2.3	0.17	0.03	0.05	0.08	0.02		50	0.0019	0.0018	0.0005	0.0042	0.0002	0.0005	36				
9-Sep-03	28	12	1.9	0.154	0.03	0.07	0.10	0.31		42	0.0021	0.002	0.0007	0.0029	0.00009	0.0004	36				
13-Sep-03	21	9	1.9	0.17	0.07	0.07	0.14	0.46		39	0.0018	0.0019	0.0006	0.0035	0.00008	0.0007	35				
11-Sep-03									43												
20-Sep-03	35	16	2.2	0.231	0.16	0.15	0.31	0.18		44	0.0022	0.0026	0.001	0.0059	0.0001	0.0006	34				
13-Oct-03	60	20	2.5	0.273	0.07	1.07	1.14	0.39		55	0.0027	0.0026	0.0016	0.0068	0.00006	0.0005	33				

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
MS2 Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
11-Mar-04	6	4	2.7	0.335	0.04	0.35	0.39	0.87		58	0.0048	0.0018	0.0004	0.0091	0.00004	0.0009	93				
17-May-04	2	1	1.1	0.076	0.03	0.3	0.33	0.26		22	0.0022	0.002	0.00008	0.0047	0.00004	0.0003	65				
27-May-04	6	4	1.1	0.04	0.03	0.08	0.11	0.12		37	0.0021	0.0019	0.0002	0.0038	0.00004	0.0002	59				
7-Jun-04	6	3	1.2	0.051	0.03	0.05	0.08	0.04		35	0.0024	0.0018	0.0002	0.0027	0.00004	0.0005	63				
8-Jun-04									4												
9-Jun-04	9	5	1.2	0.089	0.03	0.1	0.13	0.1		36	0.0028	0.0017	0.0003	0.0032	0.00004	0.0007	58				
6-Jul-04	33	15	3.4	0.311	0.03	0.4	0.43	0.15		43	0.0024	0.0027	0.0005	0.0042	0.00004	0.0005	61				
12-Jul-04	111	40	0.83	0.076	0.03	0.29	0.32	0.02		28	0.0015	0.002	0.0001	0.0019	0.00004	0.0002	54				
15-Jul-04									6												
27-Jul-04	37	24	1.8	0.242	0.03	0.39	0.42	0.04		44	0.0114	0.0019	0.0006	0.0048	0.00004	0.0003	52				
7-Sep-04	12	8	1.1	0.086	0.03	0.05	0.08	0.06		37	0.0017	0.0016	0.0002	0.0022	0.00004	0.0002	37				
16-Sep-04	11	7	1.3	0.156	0.03	0.06	0.09	0.1		32	0.0019	0.0017	0.0003	0.0037	0.00004	0.0004	22				
27-Sep-04									6												

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
100th Street Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
16-Apr-02	9	8	2.2	0.11	0.03	0.06	0.09	0.02			0.003	0.0025	0.0003	0.0044	0.0001	0.0001					
18-Apr-02	10	4	1.1	0.09	0.03	0.1	0.13	0.11			0.0013	0.0016	0.0001	0.0021	0.0001	0.0002					
22-Apr-02	2	5	0.62	0.06	0.1	1.14	1.24	0.88			0.0032	0.0028	0.00005	0.0028	0.0001	0.0005					
26-Apr-02	4	7	0.74	0.07	0.07	0.75	0.82	0.15			0.004	0.0025	0.0005	0.0032	0.0001	0.0005					
14-May-02	11	2	1	0.11	0.03	0.4	0.43	0.15			0.0012	0.0021	5	0.0019	0.0001	0.0005					
5-Jun-02	38	2	2.1	0.15	0.03	0.09	0.12	0.04			0.0023	0.0023	0.0005	0.0023	0.0001	0.0005					
8-Jun-02	27	5	1.1	0.09	0.03	0.05	0.08	0.11			0.0025	0.0026	0.0005	0.0037	0.0001	0.0005					
21-Jun-02	22	16	1	0.12	0.03	0.05	0.08	0.09			0.0033	0.0032	0.0012	0.0093	0.0001	0.0005					
9-Jul-02		6			0.03	0.09	0.12	0.09	90		0.0022	0.0022	0.0005	0.0072	0.0001	0.0004					
25-Jul-02	5	7	0.29	0.09	0.03	0.15	0.18	0.13			0.0031	0.0023	0.0009	0.006	0.0001	0.0012					
3-Aug-02	24	6	0.68	0.14	0.03	0.23	0.26	0.23			0.0022	0.0019	0.0005	0.0055	0.0001	0.0005					
14-Aug-02		5			0.04	0.97	1.01	0.05	420		0.0024	0.002	0.0003	0.0045	0.0001	0.0006					
16-Aug-02	8	7	0.62	0.06	0.03	0.88	0.91	0.02			0.0025	0.0026	0.0006	0.0071	0.0001	0.001					
17-Aug-02	11		1	0.1																	
6-Sep-02	10		0.7	0.06																	
4-Oct-02	18	4	0.77	0.11	0.04	0.65	0.69	0.02			0.002	0.002	0.0002	0.0033	0.0001	0.0002					
10-Oct-02	3		0.65	0.08																	
14-Oct-02		2			0.06	0.77	0.83	0.08	59		0.0025	0.0018	0.0002	0.004	0.0001	0.0003					
25-Oct-02	2	2	0.18	0.03	0.05	1.54	1.59	0.02			0.0018	0.0024	0.0001	0.0027	0.0001	0.0002					
30-Oct-02									26												
14-Nov-02									1												

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
100th Street Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
22-Jan-03	4	2	0.31	0.042	0.03	2.3	2.33	0.06		15	0.0016	0.0026	0.00007	0.0025	0.00004	0.0003	95				
18-Feb-03	4	2	0.31	0.097	0.04	2.03	2.07	0.14		9	0.0009	0.0016	0.00007	0.0016	0.00004	0.0002	81				
17-Mar-03	14	9	4.1	0.816	0.06	0.98	1.04	1.27		88	0.0088	0.0027	0.0007	0.021	0.00008	0.0014	158				
31-Mar-03	11	5	1	0.147	0.04	1.15	1.19	0.11		22	0.0021	0.0025	0.0004	0.0047	0.00004	0.0004	123				
16-Apr-03	29	13	1.5	0.162	0.03	1.03	1.06	0.15		26	0.0035	0.003	0.0008	0.0094	0.0004	0.0008	134				183
10-May-03	7	3	0.53	0.122	0.03	0.54	0.57	0.05		18	0.0031	0.0013	0.0006	0.0064	0.0001	0.001	34				
11-May-03	12	6	0.71	0.105	0.04	0.51	0.55	0.08		22	0.0046	0.0016	0.0008	0.0085	0.0001	0.001	30				
15-May-03	5	3	1.1	0.068	0.03	0.28	0.31	0.17		24	0.0027	0.0019	0.0002	0.0043	0.00004	0.0002	75				
25-Jun-03	14	8	0.7	0.109	0.03	0.38	0.41	0.26		22	0.0038	0.0012	0.0014	0.0092	0.00009	0.0007	3				
5-Jul-03	7	8	1.5	0.157	0.03	0.06	0.09	0.34		34	0.0033	0.0016	0.0003	0.0045	0.0002	0.0005	37				

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
100th Street Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
14-May-04			1.5	0.151	0.03	0.05	0.08	0.02		33	0.0067	0.0044	0.0001	0.0072	0.0004	0.0002	65				
17-May-04	2	2	0.87	0.06	0.03	0.05	0.08	0.03		26	0.0046	0.0039	0.00009	0.0048	0.0001	0.0002	79				
31-May-04	2	1	0.41	0.077	0.03	0.19	0.22	0.02		16	0.0052	0.0019	0.0001	0.005	0.0001	0.0003	62				
8-Jun-04									27												
10-Jun-04	3	2	0.56	0.037	0.03	0.06	0.09	0.05		21	0.0028	0.0019	0.0002	0.0037	0.0001	0.0006	57				
11-Jun-04			0.49	0.045	0.04	0.2	0.24	0.05		20	0.0026	0.0016	0.0005	0.0047	0.001	0.0006	32				
27-Jun-04	18	8	0.87	0.146	0.03	0.13	0.16	0.08		22	0.0029	0.0024	0.0001	0.005	0.0001	0.0002	61				
15-Jul-04									250												
15-Sep-04	8	5	0.6	0.053	0.04	0.36	0.40	0.02		22	0.003	0.0022	0.0004	0.0097	0.0028	0.0007	22				

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
Powers Inlet Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
21-Mar-01	105			0.36																80	
4-Apr-01	82		0.96	0.42	0.03	0.2	0.23	0.07		22											
12-Apr-01	14		1.2	0.17																	
23-Apr-01	17		1.1	0.1																	
4-May-01	2		0.45	0.02																	
21-May-01	10		0.3	0.06																	
23-May-01	6		0.55	0.09																	
6-Jun-01	4		0.31	0.03	0.03	0.05	0.08	0.02			0.0022	0.0028	0.0005	0.0044	0.0001	0.0005		134	0.009		
11-Jun-01	200		1.6	0.38																	
14-Jun-01	32		0.68	0.16																	
18-Jun-01	173		1.2	0.36																	
19-Jun-01	11		0.84	0.09																	
29-Jun-01	2			0.01																	
16-Jul-01	15			0.06																	
16-Jul-01																					
18-Jul-01	84			0.24																	
1-Aug-01	69		1.6	0.22																	
14-Aug-01	8		0.29	0.03																	
18-Aug-01	73		1.2	0.3																	
29-Aug-01	14		0.42	0.07																	
20-Sep-01	35		0.34	0.15																	

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
Powers Inlet Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
13-Mar-02	18	5	2.2	0.339	0.03	0.05	0.08	0.26		24	0.0097	0.0022	0.0008	0.014	0.0001	0					
1-Apr-02	756	34	1.5	1.45	0.03	0.72	0.75	0.02		50	0.0135	0.0106	0.0053	0.354	0.0001	0.01					
8-Apr-02	11	10	0.96	0.146	0.03	0.11	0.14	0.02		36	0.005	0.002	0.001	0.0074	0.0001	0.0005					
11-Apr-02	81	10	3	0.373	0.03	0.14	0.17	0.07		33	0.0089	0.0029	0.0011	0.013	0.0001	0					
18-Apr-02	13	8	0.8	0.08	0.03	0.14	0.17	0.02		30	0.0047	0.002	0.0005	0.0071	0.0001	0					
6-May-02	63	35	1.3	0.153	0.03	0.15	0.18	0.18		74	0.008	0.0038	0.0014	0.0125	0.0001	0					
8-May-02	409	21	1.4	0.413	0.03	0.44	0.47	0.19		62	0.0116	0.0069	0.0045	0.022	0.0001	0.01					
14-May-02	17		0.42	0.162	0.03	0.26	0.29	0.02		40	0.0037	0.002	0.001	0.0045	0.0001	0					
3-Jun-02	62	103	1.5	0.155	0.03	0.16	0.19	0.02		43	0.0053	0.0026	0.001	0.0079	0.0001	0					
4-Jun-02	44	26	1.6	0.279	0.05	0.23	0.28	0.16		68	0.0055	0.0027	0.0008	0.0084	0.0001	0					
8-Jun-02	46	6	0.96	0.137	0.03	0.05	0.08	0.12		22	0.0038	0.0025	0.0006	0.007	0.0001	0					
11-Jun-02	196	4	2.5	0.44	0.03	0.08	0.11	0.29		34	0.0143	0.0062	0.0034	0.026	0.0004	0.01					
25-Jun-02	7	10	0.97	0.158	0.03	0.11	0.14	0.14		36	0.002	0.0022	0.0002	0.0034	0.0001	0.0004					
9-Jul-02		2			0.03	0.08	0.11		1000	30											
10-Jul-02	215		1.8	0.356				0.13			0.0068	0.0041	0.0018	0.0144	0.0003	0					
21-Aug-02	14	8	1.6	0.26	0.03	0.14	0.17	0.06		44	0.0033	0.0017	0.0002	0.004	0.0001	0					
10-Oct-02	2		0.78	0.092				0.03			0.0026	0.0017	0.0001	0.0038	0.0001	0					
14-Oct-02		2			0.03	0.08	0.11		70	22											
25-Oct-02	17	3	0.18	0.093	0.03	0.05	0.08	0.02		10	0.002	0.0041	0.0001	0.0044	0.0001	0					
30-Oct-02									30												
14-Nov-02									60												

All data expressed in units of milligrams per liter (mg/L) except as noted by asterisk.

*Units for asterisked data are as follows: Fecal (colonies per100 mL); Hardness (mg/L as CaCO3); Turbidity (NTUs)

**South Washington Watershed District
Powers Inlet Monitoring Station
Water Quality Data**

	TSS	VSS	TKN	TP	Nitrite	Nitrate	NOx	NH3	Fecal*	COD	Cu	Ni	Pb	Zn	Cd	Cr	Cl	Hardness*	Ortho P	Turbidity*	Alk
19-May-04	1910	240	13	12.7	0.27	0.05	0.32	0.18		463	0.147	0.133	0.167	0.321	0.0018	0.136	545				
27-May-04	2360	240	4.8	3.31	0.08	0.16	0.24	0.02		214	0.053	0.05	0.047	0.141	0.0009	0.051	4				
30-May-04	1590	150	4.9	2.5	0.06	0.1	0.16	0.38		153	0.0031	0.0277	0.0273	0.075	0.0005	0.0293	5				
5-Jun-04	4220	280	3.9	2.08	0.09	0.07	0.16	0.03		122	0.047	0.041	0.045	0.108	0.0005	0.044	5				
9-Jun-04	1040	115	2	1.31	0.03	0.21	0.24	0.02		98	0.021	0.0184	0.0164	0.049	0.0002	0.0204	7				
12-Jun-04	2620	210	3.8	3.52	0.04	0.17	0.21	0.05		180	0.04	0.04	0.045	0.103	0.0008	0.042	10				
6-Sep-04	4120	330	5.5	3.98	0.04	0.05	0.09	0.02		286	0.078	0.057	0.06	0.156	0.001	0.06	7				
15-Sep-04	336	36	1.8	0.833	0.03	0.07	0.10	0.02		80	0.0148	0.0102	0.0086	0.031	0.0005	0.0109	10				

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