

**Chemical and Bacterial Water Quality Data Collected in the Nimishillen Creek Watershed from
July-September 1998
by the Ohio EPA-NEDO**

Date	Phosphorus mg/l	Ammonia mg/l	Nitrate+ Nitrite mg/l	Nitrite mg/l	TDS mg/l	TSS mg/l	Arsenic (µg/l)	Copper (µg/l)	Iron (µg/l)	Mercury (µg/l)	Fecal Coliform (/100 ml)	pH	Stream Temp.
Station (1) Tyro Road/Swartz Ditch													
7/15/98	0.15	<0.05	1.11	<0.02	608	14	3	<10.0	1140	--	1400	8.4	21.9
7/30/98	0.06	<0.05	1.43	<0.02	608	9	3	<10.0	821	--	100	8.0	19.0
8/5/98	0.29	<0.05	1.19	--	--	--	3	<10.0	634	<0.02	100	8.0	21.0
8/20/98	0.54	0.09	1.76	<0.02	602	11	3	<2.0	804	<0.02	1800	7.4	15.1
Station (2) Immel Road/Middle Branch													
7/15/98	0.05	<0.05	0.66	<0.02	634	<5.00	<2.00	<10.0	467	--	1600	8.1	20.1
7/30/98	<0.05	<0.05	0.37	<0.02	640	5	<0.2	<10.0	659	--	400	8.1	19.0
8/5/98	<0.05	<0.05	0.32	<0.02	660	8	<0.2	<10.0	486	<0.20	460	8.1	21.0
8/20/98	0.83	0.06	0.33	<0.02	658	<5.00	2	<10.0	584	<0.20	450	7.5	15.1
Station (3) Easton Road/Middle Branch													
7/15/98	0.16	<0.05	1.58	<0.02	598	5	2.0	<10.0	405	--	520	8.2	21.1
7/30/98	0.12	<0.05	1.68	<0.02	622	14	<0.2	<10.0	792	--	580	--	--
8/5/98	0.27	<0.05	2.24	<0.02	638	13	2	<10.0	493	<0.20	560	8.2	21.5
8/20/98	0.61	0.05	2.56	<0.02	654	5	2	<10.0	499	<0.20	1000	--	--
Station (4) Cook Park/Middle Branch													
7/15/98	--	--	--	--	--	--	--	--	--	--	240	--	--
7/30/98	0.05	0.05	1	0.02	472	8	2	<10.0	291	--	390	7.2	22.0
8/5/98	<0.05	<0.05	0.90	<0.02	494	6	<2.0	<10.0	225	<0.20	340	7.9	23.0
8/20/98	<0.05	<0.05	0.78	<0.02	484	<5.00	<2.0	<2.0	179	<0.20	350	8.0	20.0
Station (5) Upstream From Meese Road/East Branch													
7/15/98	<0.05	<0.05	0.65	<0.02	410	<5.00	<2.0	<10.0	227	--	500	8.1	20.9
7/30/98	<0.05	<0.05	0.40	<0.02	406	<5.00	<2.0	<10.0	309	--	580	7.9	20.0
8/5/98	0.24	<0.05	0.27	<0.02	418	<5.00	<2.0	<10.0	305	<0.02	1100	7.9	20.8
8/20/98	1.69	0.07	0.31	<0.02	437	<5.00	2	<2.0	237	<0.02	320	8.0	16.7

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Station (6) State Route 153/East Branch													
7/15/98	0.05	<0.05	0.50	<0.02	442	<5.00	<2.0	<10.0	187	--	600	7.9	21.2
7/30/98	<0.05	<0.05	0.25	<0.02	1010	<5.00	<2.0	<10.0	226	--	1500	8.0	21.0
8/5/98	.012	0.08	0.10	<0.02	452	6	<2.0	<10.0	359	<0.20	1900	8.0	22.0
8/20/98	.52	0.19	<0.10	<0.02	494	<5.00	<2.0	<2.0	868	<0.20	380	8.1	21.7
Station (7) Upstream From Louisville WW TP/East Branch													
7/15/98	<0.05	0.36	50.60	0.69	1180	<5.00	2	<10.0	270	--	1400	7.7	22.5
7/30/98	<0.05	0.33	62	1.13	1250	<5.00	<0.02	<10.0	180	--	200	7.0	23.5
8/5/98	0.09	0.12	48.30	0.7	1280	<5.00	<0.02	<10.0	145	<0.02	300	7.4	23.5
8/20/98	--	--	--	2.36	2550	<5.00	--	11	154	<0.02	2100	--	--
Station (8) Beck Road/East Branch													
7/15/98	0.2	0.11	26.90	0.29	1170	<5.00	2.0	<10.0	209	--	5700	7.9	21.0
7/30/98	0.12	0.12	31.80	0.48	1140	<5.00	2.0	<10.0	191	--	1000	7.3	21.0
8/5/98	0.96	0.06	28	0.21	1450	<5.00	2.0	<10.0	120	<0.20	2500	7.7	21.8
8/20/98	1.69	0.38	77.40	0.91	1920	<5.00	<2.0	<10.0	275	<0.20	1000	7.6	19.0
Station (9) Trump Road/East Branch													
7/15/98	0.09	<0.05	17.40	0.09	870	<5.0	2	<10.0	176	--	1800	7.9	20.2
7/30/98	.011	<0.05	15.80	0.07	960	<5.0	<2.0	<10.0	151	--	950	7.7	19.5
8/5/98	.023	<0.05	23.50	0.05	1080	<5.0	<2.0	<10.0	130	<0.20	670	7.9	20.2
8/20/98	0.78	<0.05	33.80	0.09	1340	<5.0	<2.0	<10.0	171	<0.20	1400	8.0	17.2
Station (10) Cook Park/East Branch													
7/15/98	0.09	<0.05	12.20	0.05	906	<5.00	<2.0	<10.0	182	--	1300	7.3	21.1
7/30/98	<0.05	<0.05	11.70	0.05	832	<5.00	<2.0	<10.0	203	--	500	7.4	20.2
8/5/98	0.19	<0.05	14.30	0.05	1100	<5.00	<2.0	<10.0	166	<0.20	640	8.1	21.2
8/20/98	0.94	<0.05	22.80	0.06	1090	<5.00	<2.0	<10.0	209	<0.20	950	8.2	19.8

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Station (11) Upstream From Greg Galvanizing/West Branch													
7/15/98	<0.05	<0.05	0.33	<0.02	648	<5.0	3	<10.0	417	--	1400	7.58	20.09
7/30/98	<0.05	<0.05	0.27	<0.02	683	<5.0	<2.0	<10.0	453	--	1600	7.3	18.5
8/5/98	0.07	<0.05	0.28	<0.02	700	6	<2.0	<10.0	507	.248	600	7.6	19.8
8/20/98	2.21	<0.05	0.35	<0.02	670	<5.0	2	<10.0	535	<0.20	500	7.9	18.5
Station (12) Downstream From Greg Galvanizing/West Branch													
7/15/98	<0.05	0.11	0.30	<0.02	648	<5.0	<2.0	<10.0	636	--	32	7.88	18.79
7/30/98	0.15	0.09	0.26	<0.02	680	<10.0	<2.0	<10.0	675	--	500	7.2	17.5
8/5/98	<0.05	0.12	0.26	<0.02	705	<10.0	<2.0	<10.0	652	--	410	7.5	18.0
8/20/98	0.42	0.13	0.31	<0.02	678	<10.0	2	<10.0	785	<0.20	330	7.7	18.4
Station (13) 8th Street/Nimishillen Creek													
7/15/98	0.06	<0.05	7.08	0.04	872	6	2.0	<10.0	225	--	600	8.0	21.6
7/30/98	0.06	<0.05	7.59	0.04	718	<5.0	<2.0	<10.0	154	--	440	7.4	21.5
8/5/98	0.2	<0.05	8.88	--	810	8	<4.0	<10.0	180	<0.20	640	8.1	21.9
8/20/98	0.85	<0.05	13.10	0.03	812	<5.0	<2.0	<10.0	105	<0.20	2000	8.4	21.0
Station (14) Upstream Canton WWTP/Nimishillen Creek													
7/15/98	<0.0500	<0.0500	2.83	0.02	750	5	<2.0	<10.0	325	<0.20	430	7.65	20.3
7/30/98	<0.0500	0.38	2.79	0.03	816	5	<2.0	<10.0	418	<0.20	>2000	7.63	18.74
8/5/98	0.08	<0.0500	2.97	0.04	822	11	<2.0	<10.0	401	<0.20	800	7.66	19.96
8/20/98	1.41	0.05	4.19	0.03	892	6	2	<10.0	384	<0.20	540	7.83	17.53
Station (15) Canton WWTP Effluent													
7/15/98	2.4	0.1	8.09	0.03	--	<5.00	<2.0	<10.0	133	<0.20	2400	7.66	21.6
7/30/98	2.29	0.07	15.70	0.03	1020	<5.00	<2.0	<10.0	210	<0.20	660	7.66	21.78
8/5/98	2.23	<0.0500	8.56	0.02	1070	<5.00	<2.0	<10.0	101	<0.20	200	7.69	21.91
8/20/98	2.58	0.08	13.10	<0.02	1070	<5.00	<2.0	<10.0	246	<0.20	300	7.69	22.32

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Station (16) Downstream West Branch/Nimishillen Creek													
7/15/98	<0.0500	<0.0500	3.24	0.03	714	9	<2.0	<10.0	353	<0.20	1200	7.68	19.61
7/30/98	0.05	<0.0500	2.80	0.02	756	7	<2.0	<10.0	540	<0.20	>10000	7.85	19.65
8/5/98	0.05	<0.0500	2.91	0.03	778	9	<2.0	<10.0	450	<0.20	1200	7.71	19.01
8/20/98	0.64	0.06	4.77	0.02	786	5	<2.0	<10.0	498	<0.20	1100	7.46	16.61
Station (17) Upstream of Ashland Oil													
7/27/98	<0.0500	<0.0500	<0.10	<0.02	338	<5.00	<.20	<10.0	328	<0.20	--	8.79	20.44
8/3/98	0.1	0.6	<0.10	0.03	454	<5.00	3	<10.0	142	<0.20	--	9.16	21.37
8/18/98	<0.0500	0.09	<0.10	<0.02	306	8	3	<10.0	399	<0.20	--	9.47	23.83
8/31/98	0.06	0.06	0.42	0.05	316	<5.00	<.20	<10.0	281	<0.20	--	9.27	23.24
Station (18) Ashland Oil 001 Outfall													
7/27/98	<0.0500	0.32	<0.10	<0.02	2140	<5.00	<2.0	<10.0	328	<0.20	--	7.78	33.81
8/3/98	0.1	8.03	<0.10	0.03	1560	<5.00	3	<10.0	142	<0.20	--	7.66	36.96
8/18/98	<0.0500	1.87	<0.10	<0.02	2550	<5.00	3	<10.0	399	<0.20	--	7.77	35.70
8/31/98	0.06	0.64	0.42	0.05	2640	<5.00	<.20	<10.0	281	<0.20	--	7.90	33.59
Station (19) Downstream of Ashland Oil/Hurford Run													
7/27/98	0.16	0.25	0.11	0.03	1840	<5.00	4	<10.0	352	<0.20	--	7.88	32.49
8/3/98	0.55	7.87	0.21	0.27	1540	<5.00	4	<10.0	249	<0.20	--	7.68	36.30
8/18/98	0.4	1.68	<0.10	0.03	2410	<5.00	5	<10.0	<50.0	<0.20	--	7.74	34.83
8/31/98	0.37	0.48	0.12	0.03	2120	<5.00	3	<10.0	286	<0.20	--	8.01	32.11
Station (20) Timken WWTP													
7/27/98	0.21	<0.0500	<0.10	<0.02	374	<5.00	<2.0	<10.0	252	<0.20	--	8.29	21.19
8/3/98	0.22	0.1	<0.10	<0.02	382	17	2	15	1950	<0.20	--	8.24	21.31
8/18/98	0.22	0.16	0.14	0.03	286	5	<2.0	<10.0	427	<0.20	--	--	--
8/31/98	0.12	0.1	0.20	0.05	288	6	<4.0	<10.0	605	<0.20	--	9.49	23.17

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Station (21) Timken WWTP Effluent													
7/27/98	0.1	<0.0500	<0.10	<0.02	844	<5.00	<2.0	15	320	<0.20	--	8.25	24.92
8/3/98	0.33	<0.0500	<0.10	<0.02	864	<5.00	<2.0	16	385	<0.20	--	--	--
8/18/98	0.22	<0.0500	<0.10	<0.02	790	<5.00	<2.0	<10.0	254	<0.20	--	7.78	25.11
8/31/98	0.17	0.06	0.19	<0.02	832	<5.00	<2.0	<10.0	220	<0.20	--	--	--
9/11/98	0.38	0.11	0.19	<0.02	802	<5.00	<2.0	10	168	<0.20	--	--	--
Station (22) Downstream of Domer Ditch													
7/27/98	0.17	0.09	0.19	0.02	1400	7	3	<10.0	469	<0.20	--	7.89	25.52
8/3/98	0.65	2.56	0.88	0.89	1170	5	3	23	451	<0.20	--	7.90	27.85
8/18/98	0.29	0.4	0.11	0.11	1360	<5.00	3	<10.0	422	<0.20	--	7.96	28.60
8/31/98	0.19	0.15	0.27	0.27	1230	<5.00	3	<10.0	206	<0.20	--	8.14	27.03
Station (23) Faircrest Avenue/Hurford Run													
7/27/98	0.19	1.42	0.13	0.06	762	17	3	<10.0	881	<0.20	1800	7.80	21.58
8/3/98	0.21	0.91	0.12	0.08	658	26	4	<10.0	1060	<0.20	3300	7.74	21.49
8/20/98	--	--	--	--	--	--	4	<10.0	823	<0.20	300	--	--
8/31/98	0.45	0.7	0.10	0.04	668	<5.00	2	<10.0	591	<0.20	--	7.74	22.03
Station (24) Upstream of Timken WWTP													
7/27/98	<0.0500	<0.0500	0.81	<0.02	488	5	<2.0	<10.0	198	<0.20	--	7.98	17.82
8/3/98	.12	<0.0500	0.46	<0.02	494	<5.00	<2.0	<10.0	143	<0.20	--	8.11	19.24
8/20/98	.12	<0.0500	0.31	<0.02	494	<5.00	<2.0	<10.0	133	<0.20	--	7.99	21.39
8/31/98	--	<0.0500	0.86	0.02	482	<5.00	<2.0	<10.0	162	<0.20	--	7.80	18.97
Station (25) Downstream of Timken WWTP													
7/27/98	0.07	<0.0500	0.10	<0.02	770	30	<2.0	<10.0	187	<0.200	--	8.05	22.85
8/3/98	0.33	<0.0500	<0.10	<0.02	850	<5.00	<2.0	11	249	<0.200	--	7.96	23.80
8/20/98	0.24	<0.0500	<0.10	<0.02	801	5	<2.0	10	404	<0.200	--	8.02	26.66
8/31/98	0.09	0.06	0.32	0.02	758	<5.00	<2.0	<10.0	222	<0.200	--	--	--

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Station (26) At Mouth of Stream/Hurford Run													
7/15/98	0.09	<0.0500	0.11	<0.02	1130	10	<2.0	<10.0	289	<0.20	300	7.82	23.96
7/27/98	0.17	<0.0500	0.26	<0.02	1160	<5.00	3	11	374	<0.20	--	7.97	21.79
7/30/98	0.17	6.78	0.50	0.21	1300	<5.00	3	<10.0	331	<0.20	180	8.03	24.06
8/3/98	0.25	1.98	1.12	0.90	1100	<5.00	2	12	303	<0.20	--	7.56	23.00
8/5/98	0.19	<0.0500	0.41	0.12	1030	7	<2.0	<10.0	306	<0.20	420		
8/18/98	0.29	0.17	0.37	0.11	1410	<5.00	2	<10.0	254	<0.20	--		
8/20/98	1.53	0.15	0.35	0.08	1400	<5.00	3	<10.0	264	<0.20	40		
8/31/98	0.24	0.12	0.33	0.03	1260	<5.00	3	10	235	<0.20	--		
Station (27) Upstream of Sherrick Run/Nimishillen Creek													
7/15/98	<0.0500	<0.0500	3.10	0.02	756	5	<2.0	<10.0	303	<0.20	500	7.67	20.32
7/30/98	0.05	0.65	3.08	0.04	836	6	<2.0	<10.0	391	<0.20	>4000	7.65	18.82
8/5/98	0.05	<0.0500	2.69	0.04	800	8	<2.0	<10.0	367	<0.20	900	7.69	19.96
8/20/98	1.04	<0.0500	4.66	0.03	878	<5.00	<2.0	<10.0	335	<0.20	580	7.82	17.62
Station (28) Allen Avenue/Sherrick Run													
7/15/98	<0.0500	<0.0500	0.79	<0.02	752	<5.00	<2.0	<10.0	476	<0.20	900	7.74	18.17
7/30/98	<0.0500	<0.0500	0.57	<0.02	814	<5.00	<2.0	<10.0	345	<0.20	730	--	--
8/5/98	<0.0500	0.31	3.08	0.05	928	<5.00	<2.0	<10.0	188	<0.20	600	7.71	18.80
8/20/98	0.2	<0.0500	0.56	<0.02	838	<5.00	<2.0	<10.0	165	<0.20	100	7.91	15.81
Station (29) Faircrest Ave./Nimishillen Creek													
7/15/98	0.72	<0.0500	4.73	0.02	858	6	<2.0	<10.0	264	<0.20	2100	--	--
7/30/98	0.84	0.26	7.11	0.04	888	<5.00	<2.0	<10.0	359	<0.20	900	7.67	20.24
8/5/98	0.68	<0.0500	4.41	0.03	882	8	<2.0	<10.0	290	<0.20	7900	7.61	20.65
8/20/98	1.1	<0.0500	7.77	0.02	957	<5.00	<2.0	<10.0	316	<0.20	550	7.74	22.03

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Station (30) Howenstein Dr./Nimishillen Creek													
7/15/98	0.68	<0.0500	4.42	0.02	854	7	<2.0	<10.0	339	<0.20	1600	7.81	20.91
7/30/98	0.73	0.19	6.51	0.03	890	8	<4.0	<10.0	446	<0.20	3600	7.79	19.99
8/5/98	0.84	<0.0500	4.37	0.02	902	10	<2.0	<10.0	456	<0.20	1100	7.89	21.08
8/20/98	0.83	0.08	7.22	0.02	926	6	<2.0	<10.0	476	<0.20	400	7.98	19.10
Station (31) East Sparta/Nimishillen Creek													
7/15/98	0.8	<0.0500	5.04	0.02	852	<5.00	<2.0	<10.0	458	<0.20	1600	7.88	21.43
7/30/98	0.81	<0.0500	6.53	0.02	876	6	<2.0	<10.0	463	<0.20	1800	7.88	20.52
8/5/98	1	<0.0500	5.88	0.02	968	9	<2.0	<10.0	416	<0.20	970	7.89	21.73
8/20/98	0.98	<0.0500	7.82	0.02	938	6	<2.0	<10.0	474	<0.20	200	8.03	19.35