

**CITY OF LANCASTER, OHIO
UPPER HOCKING RIVER
WATER QUALITY MONITORING AND QUAL2K MODELING**

**Appendix C
Grab Sample Data**

1. Table C.1 – Grab Sample Data

Table C.1
Grab Sample Data

Dry Weather Event 1

Site	Date and Time	Fecal Coliform #/100 ml	Diss.Org.P mg/L	Diss. P mg/L	Ammonia mg/L	Nitrite mg/L	Nitrate mg/L	Total P mg/L	TKN mg/L	Org. P mg/L	Alkalinity mg/L	CBOD ₂₀ mg/L	CBOD ₅ mg/L	TDS mg/L	TSS mg/L
1	8/22/2005 12:05	160.00	<0.050	<0.050	<0.050	<0.050	0.27	0.08	<0.20	<0.050	160.00	2.50	<2.0	290.00	25.00
3	8/22/2005 11:30	290.00	<0.050	<0.050	0.08	<0.050	0.46	0.11	<0.20	0.07	170.00	2.50	<2.0	380.00	25.00
4															
6	8/22/2005 10:55	180.00	<0.050	<0.050	0.08	<0.050	0.43	0.31	0.28	0.27	160.00	3.10	<2.0	420.00	<5.0
Hunters Run	8/22/2005 10:40	300.00	<0.050	<0.050	<0.050	<0.050	0.17	0.09	0.47	0.06	210.00	2.60	<2.0	410.00	<5.0
Broad St.	8/22/2005 10:30	910.00	<0.050	<0.050	0.10	<0.050	0.26	0.10	0.38	<0.050	180.00	3.30	<2.0	360.00	30.00
Tarhe Run	8/22/2005 10:20	540.00	<0.050	<0.050	<0.050	<0.050	1.60	0.08	<0.20	<0.050	140.00	2.30	<2.0	270.00	38.00
8	8/22/2005 10:10	690.00	<0.050	<0.050	0.08	<0.050	0.53	0.09	<0.20	<0.050	200.00	2.80	<2.0	370.00	<5.0
WPCF Eff.	8/22/2005 10:00	430.00	<0.050	<0.050	0.09	<0.050	6.50	0.73	1.50	0.06	240.00	4.90	<2.0	960.00	26.00
Sugar Grove	8/22/2005 9:45	1500.00	<0.050	<0.050	0.12	<0.050	3.40	0.36	0.85	<0.050	220.00	3.40	<2.0	640.00	24.00

Dry Weather Event 2

Site	Date and Time	Fecal Coliform #/100 ml	Diss.Org.P mg/L	Diss. P mg/L	Ammonia mg/L	Nitrite mg/L	Nitrate mg/L	Total P mg/L	TKN mg/L	Org. P mg/L	Alkalinity mg/L	CBOD ₂₀ mg/L	CBOD ₅ mg/L	TDS mg/L	TSS mg/L
1	9/6/2005 12:00	370.00	<0.050	0.08	0.07	<0.10	0.50	0.08	<0.20	<0.050	170.00	3.10	<2.0	330.00	10.00
3	9/6/2005 11:45	230.00	<0.050	0.10	0.08	<0.10	1.10	0.10	0.40	<0.050	180.00	2.50	<2.0	370.00	10.00
4	9/6/2005 11:30	260.00	<0.050	0.09	0.07	<0.10	0.86	0.11	0.26	<0.050	190.00	2.80	<2.0	390.00	13.00
6	9/6/2005 11:15	490.00	0.05	0.11	0.10	<0.10	0.90	0.11	0.32	0.05	210.00	2.30	<2.0	410.00	19.00
Hunters Run	9/6/2005 11:05	470.00	<0.050	0.06	0.07	<0.10	0.28	0.09	<0.20	0.05	200.00	2.10	<2.0	350.00	<5.0
Broad St.	9/6/2005 10:55	430.00	<0.050	0.08	0.15	<0.10	0.68	0.11	0.32	<0.050	240.00	2.80	<2.0	410.00	10.00
Tarhe Run	9/6/2005 10:50	320.00	<0.050	0.06	0.06	<0.10	1.70	0.08	<0.20	<0.050	160.00	2.50	<2.0	290.00	10.00
8	9/6/2005 10:40	390.00	<0.050	0.08	0.13	<0.10	0.79	0.08	<0.20	<0.050	370.00	2.10	<2.0	420.00	8.00
WPCF Eff.	9/6/2005 10:30	800.00	<0.050	0.97	0.11	<0.10	6.80	1.00	1.40	0.11	290.00	6.10	<2.0	940.00	<5.0
Sugar Grove	9/6/2005 10:10	970.00	<0.050	0.42	0.10	<0.10	3.40	0.45	0.65	<0.050	210.00	3.50	<2.0	640.00	5.00

Dry Weather Event 3

Site	Date and Time	Fecal Coliform #/100 ml	Diss.Org.P mg/L	Diss. P mg/L	Ammonia mg/L	Nitrite mg/L	Nitrate mg/L	Total P mg/L	TKN mg/L	Org. P mg/L	Alkalinity mg/L	CBOD ₂₀ mg/L	CBOD ₅ mg/L	TDS mg/L	TSS mg/L
1	9/12/2005 11:35	420.00	0.05	0.10	<0.050	<0.10	0.43	0.09	<0.20	<0.050	180.00	<2.0	<2.0	310.00	<5.0
3	9/12/2005 11:05	300.00	0.06	0.11	<0.050	<0.10	0.87	0.09	<0.20	<0.050	200.00	<2.0	<2.0	370.00	<5.0
4	9/12/2005 10:40	370.00	0.05	0.10	0.09	<0.10	0.71	0.10	0.35	<0.050	200.00	2.30	<2.0	360.00	<5.0
6	9/12/2005 10:25	240.00	<0.050	0.09	0.07	<0.10	0.63	0.08	0.29	<0.050	210.00	2.30	<2.0	380.00	5.00
Hunters Run	9/12/2005 10:10	530.00	<0.050	0.08	<0.050	<0.10	0.16	0.10	0.27	0.05	210.00	<2.0	<2.0	360.00	<5.0
Broad St.	9/12/2005 10:05	640.00	0.06	0.11	0.15	<0.10	0.52	0.11	0.35	<0.050	200.00	<2.0	<2.0	380.00	11.00
Tarhe Run	9/12/2005 10:00	410.00	<0.050	0.09	<0.050	<0.10	1.70	0.10	<0.20	0.05	140.00	<2.0	<2.0	290.00	<5.0
8	9/12/2005 9:50	490.00	0.06	0.10	0.05	<0.10	0.71	0.17	0.20	0.11	230.00	<2.0	<2.0	400.00	5.00
WPCF Eff.	9/12/2005 9:45	240.00	0.37	1.20	0.22	<0.10	9.00	1.20	2.00	0.40	270.00	4.90	2.40	1100.00	<5.0
Sugar Grove	9/12/2005 9:30	680.00	0.11	0.43	0.10	<0.10	4.00	0.45	1.00	0.13	210.00	2.10	<2.0	680.00	5.90