

AD-A079 652

CORPS OF ENGINEERS BUFFALO N Y BUFFALO DISTRICT
WATER QUALITY DATA FOR LAKE ERIE BASIN TRIBUTARY MOUTH SAMPLING--ETC(U)
DEC 78

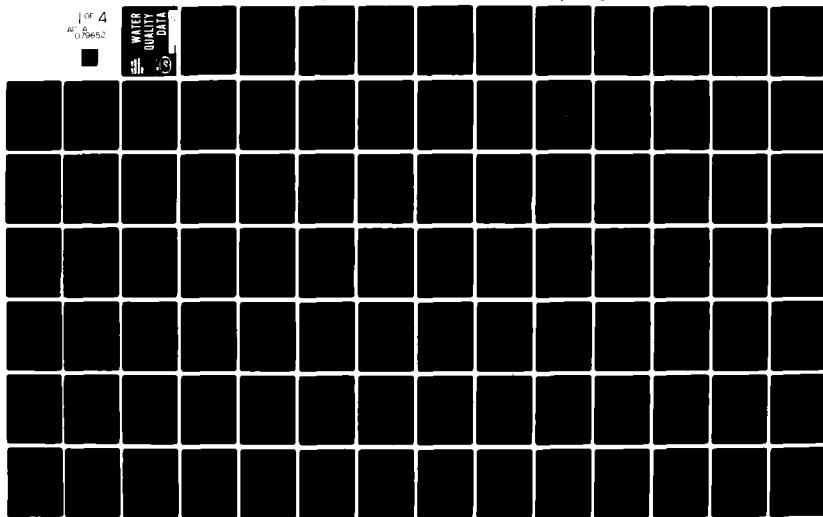
F/8 6/6

UNCLASSIFIED

NL

1 OF 4
AD-A079 652

WATER
QUALITY
DATA
②



LAKE ERIE
WASTEWATER
MANAGEMENT
STUDY

LEVEL *4*

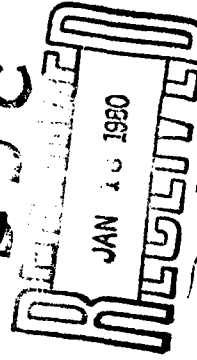
BS

ADA 079652

DDG FILE COPY



WATER QUALITY DATA



DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

80 1 21 034

LAKE ERIE BASIN
TRIBUTARY MOUTH

1776 NIAGARA STREET, BUFFALO, NEW YORK 14207

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER (for)	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) (6) Water Quality Data Lake Erie Basin Tributary Mouth Sampling Stations.		5. TYPE OF REPORT & PERIOD COVERED (9) Final rept.
7. AUTHOR(s) Water Quality Section NCBED-HQ U. S. Army Corps of Engineers 1776 Niagara Street, Buffalo, NY 14207		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Same as Block 7		8. CONTRACT OR GRANT NUMBER(s) N/A
11. CONTROLLING OFFICE NAME AND ADDRESS Same as Block 7		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) (12) 302		12. REPORT DATE December 1978
		13. NUMBER OF PAGES 327
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES Copies are available from National Technical Information Service, Springfield, VA 22161		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Water Quality Lake Erie Water Chemistry Lake Erie Drainage Basin Lake Erie		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The data presented in this report represents water quality information collected at 22 Lake Erie Basin tributary mouth sampling stations for the Lake Erie Wastewater Managment Study. A list of these stations along with the U. S. Geological Survey station identification number and drainage area is provided and the approximated location		

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

410090

of the sampling stations in relation to the Lake Erie drainage basin are indicated.

Samples collected were analyzed for the following parameters: total phosphorus, ammonia nitrogen, nitrite-nitrate nitrogen, chlorides, dissolved silica, suspended solids, and conductivity. Twenty percent of the samples were analyzed for total kjeldahl nitrogen and iron. Two percent of the samples were analyzed for total solids, total dissolved solids, total organic carbon, dissolved organic carbon, total carbon, and chemical oxygen demand. In addition, less than 1 percent of the samples were analyzed for soluble phosphorus. K

**LAKE ERIE WASTEWATER MANAGEMENT STUDY
U.S. ARMY CORPS OF ENGINEERS
BUFFALO DISTRICT**

Accession For	NTIS General	DDC TAB	UNCLASSIFIED	JAN 1981	PA	Special	Dist

ACKNOWLEDGEMENTS

The Lake Erie Wastewater Management Study would like to acknowledge the following organizations for their participation in the collection and analysis of the data in this report:

Organization

Michigan Department
of Natural Resources
Lansing, MI

Heidelberg College
Water Quality Laboratory
Tiffin, OH

City of Cleveland
Water Quality Program

State University of New York
at Fredonia

Great Lakes Laboratory
Buffalo State College
Buffalo, NY

Supporting Data

Stations (1) 1-7
for Water Year 1977

Stations 8-11
for Water Years 1975-1977
and Stations 14-17 for
Water Year 1977 (2)

Stations 12, 13, 15 and 17
for Water Year 1975

Station 21 for Water Year 1975

Stations 14, 15, and
17-21 for Water Year 1977

The Michigan, Ohio, and New York Divisions of the U.S. Geological Survey have provided the flow data.

- (1) Station numbers are taken from map shown in Figure 1.
- (2) Portions of Water Year 1977 data for Stations 14-17 were collected by the U.S. Geological Survey and analyzed by Heidelberg College.

CONTENTS

PAGE

INTRODUCTION	vi
ANALYTICAL PROCEDURES	xi
STATION LOCATION DESCRIPTION	xiii
WATER QUALITY DATA	
Black River near Fargo, Michigan	1
Mill Creek near Avoca, Michigan	5
Belle River at Memphis, Michigan	9
Clinton River at Mt. Clemens, Michigan	13
Rouge River at W. Jefferson Bridge, Michigan	17
Huron River at S. Metropolitan Parkway, Michigan	21
River Raisin near Monroe, Michigan	25
Maumee River at Waterville, Ohio	29
Maumee River near Waterville, Ohio	35
Portage River at Woodville, Ohio	83

CONTENTS

PAGE

WATER QUALITY DATA CONT'D

Sandusky River near Fremont, Ohio	129
Huron River at Milan, Ohio	171
Vermilion River near Vermilion, Ohio	219
Black River at Elyria, Ohio	229
Rocky River near Berea, Ohio	239
Cuyahoga River at Independence, Ohio	245
Euclid Creek near Euclid, Ohio	265
Chagrin River at Willoughby, Ohio	273
Grand River at Painesville, Ohio	287
Ashtabula River near Ashtabula, Ohio	291
Conneaut Creek at Conneaut, Ohio	295
Cattaraugus Creek at Gowanda, New York	299

INTRODUCTION

The data presented in this report represents water quality information collected at twenty-two Lake Erie Basin tributary mouth sampling stations for the Lake Erie Wastewater Management Study.

A list of these stations along with the U.S. Geological Survey station identification number⁽¹⁾ and drainage area is provided in Table 1. Figure 1 shows the approximate location of the sampling station in relation to the Lake Erie drainage basin.

The selection of the Lake Erie Basin tributary mouth sampling stations were based on the following criteria: (a) whether a U.S.G.S. gaging station was presently in existence for the purpose of determining flow⁽²⁾ and (b) whether the station location was best suitable for determining tributary pollutant loads to Lake Erie.

Samples collected were analyzed for the following parameters: total phosphorus, ammonia nitrogen, nitrite-nitrate nitrogen, chlorides, dissolved silica, suspended solids and conductivity. Twenty percent of the samples were analyzed for total kjeldahl nitrogen and iron. Two percent of the samples were analyzed for total solids, total dissolved solids, total organic carbon, dissolved organic carbon, total carbon, and chemical oxygen demand. In addition, less than one percent of the samples were analyzed for soluble phosphorus.

(1) Stations with map reference numbers 5 and 6 are not located at a U.S.G.S. continuous level station and have been assigned a code number by the Michigan Department of Natural Resources.

(2) Since stations 5 and 6 do not have U.S.G.S. gages present, flow data for station 5 was provided by the Detroit District, U.S. Army Corps of Engineers. Flow data for station 6 was provided by the U.S.G.S. in Okemos, Michigan, through use of a staff gage.

LAKE ERIE BASIN TRIBUTARY MOUTH SAMPLING STATIONS

TABLE I

STATION IDENTIFICATION	LEAMS CODE	USGS NUMBER	DRAINAGE AREA IN SQ. MILES	MAP * REFERENCE #
Black River near Fargo, Michigan	01BF	04159500	480	1
Mill Creek near Avoca, Michigan	01MA	04159900	169	2
Belle River at Memphis, Michigan	05BM	04160600	151	3
Clinton River at Mt. Clemens, Michigan	07CM	04165500	734	4
Rouge River at West Jefferson Bridge City of River Rouge, Michigan	09RJ	820070**	467	5
Huron River at South Metropolitan Parkway near New Boston, Michigan	11HM	821114**	849	6
River Basin near Monroe, Michigan	13RM	04176500	1,042	7

*Numbers refer to Figure 1.

**Michigan Department of Natural
Resources code number.

**LAKE ERIE BASIN
TRIBUTARY MOUTH SAMPLING STATIONS**

TABLE I

STATION IDENTIFICATION	LEMS CODE	USGS NUMBER	DRAINAGE AREA IN SQ. MILES	MAP * REFERENCE #
Maumee River at Waterville, Ohio	01MW	04193500	6,330	8
Maumee River near Waterville, Ohio	03MW	04193490	6,313	8
Portage River at Woodville, Ohio	03PW	04195500	428	9
Sandusky River near Fremont, Ohio	03SF	04198000	1,251	10
Huron River at Milan, Ohio	03HM	04199000	371	11
Vermillion River near Vermillion, Ohio	05VV	04199500	262	12
Black River at Elyrea, Ohio	08BE	04200500	396	13

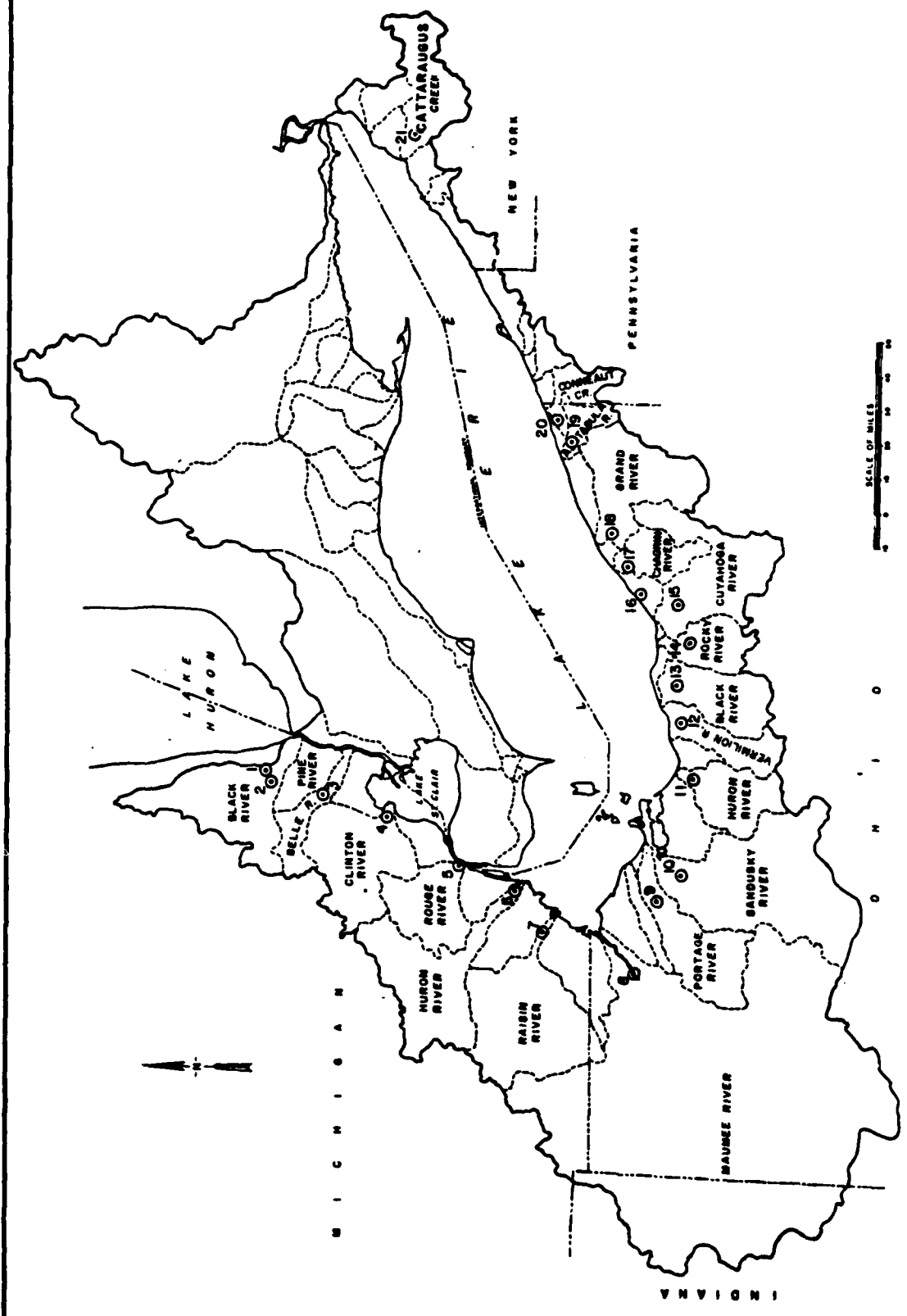
**LAKE ERIE BASIN
TRIBUTARY MOUTH SAMPLING STATIONS**

TABLE I

STATION IDENTIFICATION	LEWIS CODE	USGS NUMBER	DRAINAGE AREA IN SQ. MILES	MAP ★ REFERENCE #
Rocky River near Berea, Ohio	33RB	04201500	267	14
Cuyahoga River at Independence, Ohio	33CI	04208000	707	15
Euclid Creek near Euclid, Ohio	33EE	04208690	22.6	16
Chagrin River at Willoughby, Ohio	06CW	04209000	246	17
Grand River at Painesville, Ohio	37GP	04212200	701	18
Ashtabula River near Ashtabula, Ohio	39AA	04212500	121	19
Conneaut Creek at Conneaut, Ohio	41CC	04213000	175	20
Cattaraugus Creek at Gowanda, New York	49CG	04213500	432	21

LAKE ERIE BASIN TRIBUTARY MOUTH SAMPLING STATIONS

FIGURE 1



ANALYTICAL PROCEDURES

Parameter	City of Cleveland Water Quality Program	SUNY at Fredonia	Heidelberg College River Studies Laboratory	Michigan Department of Natural Resources	SUNY Great Lakes Laboratory
Total Phosphorus:	Single Reagent	Manual	Automated	Automated Block Digester	Acid Sulfate (K_2SO_4)
	Automated	Digestion on Hot Plate	Heated in Autoclave	300° Perchloric Sulfuric	Block Digestion
		All Samples Filtered	High SS Filtered	Digestion	Automated Single Reagent
			Per sulfate Digestion	Ascorbic Acid	Addition
			Ascorbic Acid/Single	No Filtration	
			Reagent		
Dissolved Inorganic Phosphorus	Single Reagent	Manual	Automated Single	Supernatant Analate	Prewashed Milipore MAMP
	Automated	Single Reagent	Reagent	Centrifuged for very hi SS	Single Reagent
				Otherwise Just Settled	
Suspended Solids	By Calculation	Millipore Filter .45	Glass Fiber Filter	Glass Fiber Filter	GF/C (Whatman) Glass
	Res T - Res Filt - SS	103° - 105°C	103° - 105°C	103° - 105°C	Fiber
					.1 Mg Sens.
					103° - 105°C
Nitrate & Nitrite Nitrogen	Brucine Sulfate	Brucine Sulfate	Automated Cadmium	Cadmium Reduction,	Cadmium Reduction,
	Automated Cadmium	Manual	Reduction	Automated	Automated
	Reduction				
Ammonia-Nitrogen:	Nesslerization	Nesslerization	Automated Phenate	Automated Phenate	Automated Phenate
	Automated Phenate				
Specific Conductance	Instrumental	N.D.	Barnstead Mod.	YSI	YSI, L&N
	25°C Correction		PH POCB	25° Correction	25° Correction
			YSI Probe		
			Samples Adj to 25°C		
Silica	N.D.	Atomic Absorption	Automated	Automated Molybdosilicate	Automated Molybdosilicate
		After Filtration	Molybdosilicate		
Chloride	Mercuric Nitrate	Mercuric Nitrate	Mercuric Nitrate	Automated	Ion Selective Electrode
	(S.M.)			Ferrous Cyanide	
				(EPA)	

N.D. - Indicates not determined

ANALYTICAL PROCEDURES

Parameter	City of Cleveland Water Quality Program	SUNY at Fredonia	Weidberg College River Studies Laboratory	Michigan Department of Natural Resources	SUNY Great Lakes Laboratory
Iron	N.D.	N.D.	Automated Phenanthroline	N.D.	N.D.
Total Kjeldahl Nitrogen	Automated Phenate	Calculation (NH ₃ -N+Organic-N)	Ultra Micro Semi-Automated Iodophenol Blue Method	Same Digestion as TP Automated Selenium	Ultra Micro Semi-Automated Iodophenol Blue Method
Chemical Oxygen Demand	SM	SM Mod EPA Reflux	N.D.	N.D.	N.D.
Total Carbon	Flame Ionization	N.D.	Flame Ionization	N.D.	N.D.
Total Solids	Drying, 180°C	Drying, 180°C	N.D.	N.D.	N.D.
Total Dissolved Solids	Filtration, 180°C	Filtration, 180°C	N.D.	N.D.	N.D.
Total Organic Carbon	Flame Ionization	N.D.	Flame Ionization	N.D.	N.D.
Dissolved Organic Carbon	Flame Ionization	N.D.	Flame Ionization	N.D.	N.D.
pH	N.D.	N.D.	N.D.	Meter in Lab	Meter in Field, L & M
Temperature	N.D.	N.D.	N.D.	Field, Thermometer	N.D.

N.D. - indicates not determined

STATION LOCATION DESCRIPTION

04159500 BLACK RIVER NEAR FARGO, MI

Lat 43°05'32", long 82°37'05", in NW¼ sec.32, T.8 N., R.16 E., St. Clair County, on left bank 20 ft (6 m) downstream from bridge on Norman Road, 2.1 mi (3.4 km) east of Fargo, 5.3 mi (8.5 km) upstream from Mill Creek, and 12 mi (19 km) northwest of Port Huron.

04159900 MILL CREEK NEAR AVOCA, MI

Lat 43°03'16", long 82°44'05", in NW¼ sec.8, T.7 N., R.15 E., St. Clair County, on left bank at downstream side of bridge on Bricker Road, 0.2 mi (0.3 km) upstream from Gleason Drain, and 2.3 mi (3.7 km) west of Avoca.

04160600 BELLE RIVER AT MEMPHIS, MI

Lat 42°54'03", long 82°46'09", in NW¼ SE¼ sec.35, T.6 N., R.14 E., St. Clair County, Hydrologic Unit 04090001, on right bank, at downstream side of bridge on State Highway 19 at Memphis.

04165500 CLINTON RIVER AT MOUNT CLEMENS, MI

Lat 42°35'45", long 82°54'35", Macomb County, Hydrologic Unit 04090003, on left bank 20 ft (6 m) downstream from bridge on Moravian Drive, 0.2 mi (0.3 km) downstream from North Branch, and 0.5 mi (0.8 km) west of Mount Clemens.

MDNR 820070 ROUGE RIVER AT CITY OF RIVER ROUGE, MI

Lat 42°16'50", long 83°07'44", T.25, R.11 E., Wayne County, at the West Jefferson Avenue bridge, in the City of River Rouge.

MDNR 821114 HURON RIVER NEAR NEW BOSTON, MI
 Lat 42°11'15", long 83°25'31", in sec. 36, T.3 S., R.8 E., Wayne County, Van Buren
 Township, at South Metropolitan Parkway in the Lower Huron Metropark, below French
 Landing.

04176500 RIVER RAISIN NEAR MONROE, MI
 Lat 41°57'38", long 83°31'52", Monroe County, Hydrologic Unit 04100002, on left bank
 0.8 mi (1.3 km) downstream from bridge on Ida Maybee Road, 5.0 mi (8.0 km) downstream
 from Saline River, and 7.5 mi (12.1 km) west of Monroe.

04193500 MAUMEE RIVER AT WATERVILLE, OH
 Lat 41°30'00", long 83°42'46", Lucas County, Hydrologic Unit 04100009, on downstream
 side of second pier from left end of bridge on State Highway 64 at Waterville,
 3 mi (5 km) downstream from Tontogany Creek, and 20.7 mi (33.3 km) upstream from mouth.

04193490 MAUMEE RIVER NEAR WATERVILLE, OH
 Lat 41°28'34", long 83°44'20", Lucas County, Hydrologic Unit 04100009, in Bowling Green
 water-treatment plant, 2.0 mi (3.2 km) upstream from discharge station at Waterville.

04195500 PORTAGE RIVER AT WOODVILLE, OH
 Lat 41°26'58", long 83°21'41", in sec. 28, T.6 N., R.13 E., Sandusky County, Hydrologic
 Unit 04100010, on left bank at upstream side of bridge on U.S. Highway 20 in Woodville,
 600 ft (183 m) downstream from unnamed right bank tributary, and 10.3 mi (16.6 km)
 upstream from Sugar Creek.

04198000 SANDUSKY RIVER NEAR FREMONT, OH
 Lat 41°18'28", long 83°09'32", in sec. 17, T.4 N., R.15 E., Sandusky County, Hydrologic
 Unit 04100011, on left bank at downstream side of county road bridge, 2.3 mi (3.7 km)
 upstream from Bellville diversion dam, 2.5 mi (4.0 km) downstream from Wolf Creek, and
 3.5 mi (5.6 km) southwest of Fremont.

04199000 HURON RIVER AT MILAN, OH
Lat 41°18'06", long 82°36'25", in SW 1/4 sec. 4, T.5 N., R.22 W., Erie County,
Hydrologic Unit 04100012, on right bank 500 ft (152 m) downstream from bridge on
U.S. Highway 250, 0.2 mi (0.3 km) northwest of Milan and 2.0 mi (3.2 km)
downstream from confluence of East and West Branches.

04199500 VERMILION RIVER NEAR VERMILION, OH
Lat 41°22'55", long 82°19'01", in T.6 N., R.19 W., Lorain County, Hydrologic
Unit 04100012, on right bank 40 ft (12 m) downstream from bridge on North Ridge
Road, 3.5 mi (5.6 km) southeast of Vermilion and 4.5 mi (7.2 km) upstream from
mouth.

04200500 BLACK RIVER AT ELYRIA, OH
Lat 41°22'49", long 82°06'17", in T.6 N., R.17 W., Lorain County, Hydrologic
Unit 04110001, on left bank in Cascade Park at Elyria, 0.8 mi (1.3 km)
downstream from confluence of East and West Branches.

04201500 ROCKY RIVER NEAR BERE, OH
Lat 41°24'24", long 81°53'14", in T.6 N., R.15 W., Cuyahoga County, Hydrologic
Unit 04110001, on right bank at downstream side of Cedar Point Road Bridge in
Rocky River Reservation, just downstream from confluence of East and West Branches,
and 3.0 mi (4.8 km) northwest of Berea.

04208000 CUYAHOGA RIVER AT INDEPENDENCE, OH
Lat 41°23'43", long 81°37'48", in T.6 N., R.12 W., Cuyahoga County, Hydrologic
Unit 04110002, on left bank 240 ft (73 m) downstream from bridge on Old Rockside
Road, 0.8 mi (1.3 km) northeast of Independence, and 3.0 mi (4.8 km) downstream
from Tinkers Creek.

- 04208690 EUCLID CREEK NEAR EUCLID, OH
 Lat 41°34'28", long 81°32'51", Cuyahoga County, Hydrologic Unit 04110003, on right bank 150 ft (46 m) upstream from St. Clair Avenue bridge, 0.3 mi (0.5 km) downstream from city of Cleveland waterworks, 1.6 mi (2.6 km) upstream from mouth.
- 04209000 CHAGRIN RIVER AT WILLOUGHBY, OH
 Lat 41°37'51", long 81°24'13", in T.9 N., R.10 W., Lake County, Hydrologic Unit 04110003, on left bank, 150 ft (46 m) downstream from city waterworks dam, 800 ft (244 m) downstream from East Branch, 1.0 mi (1.6 km) southeast of Willoughby, and 5.0 mi (8.0 km) upstream from mouth.
- 04212200 GRAND RIVER AT PAINESVILLE, OH
 Lat 41°44'09", long 81°15'59", in T.11 N., R.8 W., Lake County, Hydrologic Unit 04110004, at bridge on State Highway 535 in Painesville, 2.2 mi (3.5 km) upstream from mouth, and 8.0 mi (12.9 km) downstream from Kellogg Creek.
- 04212500 ASHTABULA RIVER NEAR ASHTABULA, OH
 Lat 41°51'20", long 80°45'44", Ashtabula County, Hydrologic Unit 04110003, on left bank at downstream side of State Road bridge, 1.1 mi (1.8 km) upstream from Hubbard Run, 1.3 mi (2.1 km) southeast of Ashtabula, and 5.5 mi (8.8 km) upstream from mouth.
- 04213000 CONNEAUT CREEK AT CONNEAUT, OH
 Lat 41°55'37", long 80°36'15", Ashtabula County, Hydrologic Unit 04120101, on right bank at downstream side of Keefus Road bridge at Conneaut, and 6.4 mi (10.3 km) upstream from mouth.
- 04213500 CATTARAUGUS CREEK AT GOWANDA, NY
 Lat 42°27'50", long 78°56'10", Erie County, Hydrologic Unit 04120102, on right bank 380 ft (116 m) downstream from bridge on State Highways 39 and 62 at Gowanda, and 4.2 mi (6.8 km) downstream from South Branch. Water-quality sampling site at discharge station.

**BLACK RIVER
NEAR
FARGO, MICHIGAN**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION V/CODE : NEAR FARGO, MICHIGAN

USGS NO. 04159500

SAMPLING DATE YR MO DY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	4	2650	364.	.310	.096	1.250	.680		140.00	24.00	5.20		350.
77	3	5	330	740.	.410	.098	1.370	.490		250.00	20.00	4.70		300.
77	3	5	740	1080.	.410	.105	1.370	.570		180.00	19.96	4.30		285.
77	3	5	1400	1350.	.470	.149	1.330	.740		170.00	38.00	4.40		355.
77	3	5	1420	1520.	.600	.200	1.360	.830		180.00	29.00	4.10		315.
77	3	6	255	1800.	.540	.190	1.370	.740		140.00	26.00	3.80		280.
77	3	6	805	1750.	.550	.178	1.340	.750		150.00	26.00	3.60		275.
77	3	6	1410	1620.	.640	.162	1.360	.760		190.00	25.00	3.40		270.
77	3	6	1805	1490.	.680	.168	1.550	.840		190.00	26.00	3.30		280.
77	3	7	245	1220.	.660	.193	1.580	.950		130.00	28.00	3.50		290.
77	3	7	810	1680.	.600	.210	1.420	1.030		98.00	33.00	3.70		305.
77	3	7	1345	1330.	.500	.192	1.400	.960		91.00	36.00	3.20		320.
77	3	8	225	852.	.460	.181	1.380	.820		100.00	36.00	4.00		340.
77	3	8	805	816.	.390	.170	1.380	.800		86.00	40.30	4.00		290.
77	3	8	1330	724.	.400	.182	1.400	.810		62.00	24.00	4.00		305.
77	3	8	1730	680.	.420	.186	1.390	.800		64.00	27.00	4.10		315.
77	3	9	230	780.	.360	.157	1.270	.750		82.00	26.00	4.10		295.
77	3	9	805	824.	.360	.165	1.260	.730		25.00	38.00	7.00		660.
77	3	28	400	215.	.091	.048	2.200	.210	1.130	51.00	37.00	6.60		640.
77	3	28	945	268.	.094	.043	1.830	.192	1.660	91.00	38.00	6.50		635.
77	3	28	1645	365.	.140	.039	1.830	.190	1.590	85.00	38.00	6.30		615.
77	3	28	2145	523.	.137	.044	1.850	.191	1.440	89.00	36.00	6.10		565.
77	3	29	340	760.	.129	.040	1.990	.173	1.670	89.00	38.00	6.10		530.
77	3	29	1040	1020.	.165	.043	2.500	.180	1.770	92.00	35.00	5.80		500.
77	3	29	1530	1280.	.178	.046	2.800	.165	1.530	92.00	33.00	5.80		490.
77	3	29	2055	1306.	.186	.055	3.200	.162	1.930	140.00	35.00	5.80		510.
77	3	30	400	1320.	.290	.064	3.900	.155	1.590	110.00	40.00	5.90		535.
77	3	30	1010	1250.	.280	.061	4.400	.157	1.740	98.00	42.00	6.00		540.
77	3	30	1555	1150.	.250	.055	4.700	.148	1.730	99.00	44.00	6.20		555.
77	3	31	2100	1330.	.220	.053	4.800	.152	1.610	74.00	46.00	6.10		570.
77	3	31	400	846.	.193	.060	4.700	.167	1.620	60.00	45.00	6.30		580.
77	3	31	1005	712.	.200	.056	4.500	.149	1.600	34.00	56.00	6.40		635.
77	3	31	1430	628.	.155	.052	4.400	.138	1.600					
77	3	31	2140	310.	.144	.044	4.400	.121	1.600					
77	4	1	345	469.	.142	.039	4.200	.112	1.600					

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : NEAR FARGO, MICHIGAN

USGS NO. 04159500

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C.
YR MO DY	HRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
77	4	1	100	.120	.034	.070		1.100		37.00	59.00	6.40		655.
77	4	1	1420	.106	.026	.029		1.070		32.00	61.00	6.50		670.
77	4	1	2150	.093	.024	.009		1.190		20.00	63.00	6.60		695.
77	4	25	1110	.085	.029	.006		1.170		12.00	42.00	2.90		615.
77	4	25	1800	.086	.028	.001		.760		14.00	42.00	2.60		620.
77	4	25	2230	.081	.032	.005		1.083		11.00	40.00	2.40		638.
77	4	26	340	.076	.031	.008		1.030		10.00	43.00	2.20		645.
77	4	26	935	.084	.032	.002		1.100		29.00	41.00	1.92		655.
77	4	26	1435	.095	.033	.002		1.120		10.00	41.00	1.80		650.
77	4	26	2135	.078	.032	.004		.900		10.00	42.00	1.62		650.
77	4	27	400	.068	.027	.006		.783		8.00	41.00	1.36		660.
77	4	27	940	.071	.028	.006		.860		11.00	43.00	1.22		670.
77	4	27	1450	.074	.028	.002		.920		10.00	44.00	1.18		670.
77	4	27	2130	.081	.026	.001		.950		9.00	43.00	.85		650.
77	4	28	340	.077	.023	.005		.770		14.00	43.00	.67		670.
77	4	28	935	.072	.025	.010		.840		15.00	44.00	.75		695.
77	4	28	1450	.074	.026	.009		.940		14.00	46.00	.65		705.
77	4	28	2125	.083	.025	.009		1.000		6.00	46.00	.43		695.
77	4	29	410	.080	.027	.009		.890		10.00	46.00	.55		705.
77	4	29	935	.085	.022	.005		1.040		7.00	46.00	.61		715.
77	4	29	1440	.076	.023	.003		.840		5.00	47.00	.59		720.
77	4	29	2120	.081	.022	.004		.960		10.00	49.00	.52		720.
77	4	30	355	.084	.025	.004		.990		12.00	47.00	.48		710.
77	5	16	1155	.099	.046	.005		.620		26.00	64.00	.46		810.
77	6	13	1115	.045	.045	.002		.600		20.00	74.00	.84		785.
77	6	27	1130	.111	.053	.003		.610		21.00	64.00	2.40		710.

**MILL CREEK
NEAR
AVOCA, MICHIGAN**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : MILL CREEK

LOCATION V/CODE : NEAR AVOCA, MICHIGAN

USGS NO. 04159900

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	4	355	158.	.132	.077	2.400	.490	1.190	3.00	34.00	7.90		590.
77	3	4	2030	359.	.400	.079	2.400	.490		200.00	27.00	5.70		395.
77	3	4	2123	381.	.391	.074	2.200	.460		160.00	26.00	5.80		405.
77	3	5	300	426.	.330	.090	1.850	.390	1.950	80.00	25.00	5.40		385.
77	3	5	710	416.	.330	.120	1.810	.500		64.00	25.00	5.40		385.
77	3	5	1330	365.	.320	.132	1.700	.570		64.00	20.00	5.10		340.
77	3	5	1435	352.	.320	.121	1.680	.560		70.00	20.00	5.20		345.
77	3	5	1755	357.	.290	.111	1.720	.500		54.00	19.80	5.20		350.
77	3	6	235	352.	.241	.100	1.810	.480	1.740	44.00	21.00	5.60		390.
77	3	6	743	351.	.270	.110	1.840	.500	1.850	43.00	21.00	5.20		370.
77	3	6	1340	333.	.210	.116	1.980	.580		66.00	22.00	5.20		385.
77	3	6	1805	339.	.280	.111	2.100	.600		54.00	22.00	5.30		415.
77	3	7	220	337.	.280	.114	1.930	.710		40.00	19.40	5.30		370.
77	3	7	740	324.	.280	.110	1.730	.710		30.00	19.20	5.80		345.
77	3	7	1310	318.	.270	.102	1.830	.660		30.00	19.80	5.20		365.
77	3	7	1720	320.	.270	.102	1.840	.660		60.00	19.60	5.20		365.
77	3	8	205	280.	.240	.109	1.960	.660		36.00	21.00	5.50		390.
77	3	8	735	267.	.220	.102	2.100	.630		18.00	21.00	5.60		405.
77	3	8	1310	307.	.240	.093	2.200	.620		32.00	20.00	5.70		410.
77	3	8	1705	299.	.220	.085	2.100	.610		40.00	21.00	5.60		405.
77	3	9	205	305.	.200	.083	2.000	.580		34.00	21.00	5.70		420.
77	3	9	735	316.	.193	.080	2.000	.550		20.00	22.00	5.90		435.
77	3	28	330	65.	.052	.023	1.260	.022	.740	6.00	39.00	5.00		720.
77	3	28	900	77.	.057	.026	1.280	.046	1.010	13.00	40.00	4.80		715.
77	3	28	1610	106.	.080	.039	1.210	.052	1.370	14.00	40.00	4.80		695.
77	3	28	2115	151.	.111	.030	1.420	.046	1.340	55.00	42.00	4.90		640.
77	3	29	310	208.	.151	.039	1.560	.065	1.520	44.00	37.00	5.30		605.
77	3	29	1005	280.	.150	.039	1.740	.068	1.560	52.00	33.00	5.50		575.
77	3	29	1500	292.	.125	.028	1.820	.059	1.510	45.00	32.00	5.70		560.
77	3	29	2030	294.	.137	.031	1.950	.074	1.430	52.00	32.00	5.70		570.
77	3	30	325	301.	.135	.033	2.300	.071	1.560	46.00	32.00	6.10		585.
77	3	30	940	296.	.116	.026	2.400	.083	1.600	41.00	32.00	6.50		590.
77	3	30	1525	280.	.114	.024	2.500	.081	1.540	36.00	34.00	6.80		590.
77	3	31	2030	266.	.121	.028	2.600	.094	1.710	34.00	34.00	6.90		595.
77	3	31	330	240.	.118	.028	2.800	.071	1.170	36.00	34.00	6.80		605.
77	3	31	530	226.	.100	.031	2.900	.079	1.370	34.00	33.00	6.80		605.

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : MILL CREEK

LOCATION W/CODE : NEAR AVOCA, MICHIGAN

USGS NO. 04159900

SAMPLING DATE YR MO DY	TIME 24 H MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. ATT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	31	1410	.094	.028	2.800	.068	1.443		28.00	34.00	6.90		610.
77	3	31	2110	.094	.025	2.700	.067	1.073		34.00	34.00	6.80		615.
77	4	1	320	.088	.028	2.500	.069	1.520		29.00	34.00	6.70		625.
77	4	1	930	.089	.027	2.400	.056	1.150		19.00	34.00	6.70		646.
77	4	1	1410	.076	.024	2.300	.036	1.150		13.00	34.00	6.60		640.
77	4	1	2120	.068	.021	2.200	.029	1.150		4.00	34.00	6.50		655.
77	4	25	1040	.098	.049	.045	.001	.953		6.00	42.00	2.90		615.
77	4	25	1735	.095	.048	.008	.003	1.110		8.00	40.00	2.60		620.
77	4	25	2200	.094	.051	.026	.004	1.023		6.00	40.00	2.40		630.
77	4	26	320	.095	.054	.048	.004	1.240		5.00	40.00	2.20		645.
77	4	26	905	.122	.082	.090	.004	1.340		5.00	44.00	2.40		750.
77	4	26	1410	.128	.084	.044	.002	1.350		9.00	44.00	2.20		755.
77	4	26	2105	.128	.082	.020	.004	1.060		8.00	46.00	1.73		755.
77	4	27	330	.132	.072	.023	.004	.930		5.00	46.00	1.30		755.
77	4	27	910	.126	.069	.003	.003	1.160		9.00	46.00	1.04		755.
77	4	27	1420	.119	.064	.002	.002	1.233		7.00	47.00	.93		760.
77	4	27	2055	.125	.061	.002	.001	1.186		12.00	48.00	.64		745.
77	4	28	315	.121	.059	.002	.002	1.290		14.00	48.00	.44		760.
77	4	28	905	.137	.068	.004	.005	1.280		9.00	55.00	.40		775.
77	4	28	1425	.157	.069	.004	.003	1.270		11.00	59.00	.46		785.
77	4	28	2055	.170	.071	.004	.003	1.490		10.00	59.00	.49		795.
77	4	29	350	.148	.074	.003	.003	1.173		10.00	60.00	.50		800.
77	4	29	910	.145	.063	.004	.001	1.110		6.00	61.00	.52		795.
77	4	29	1415	.149	.056	.001	.001	1.290		9.00	62.00	.55		775.
77	4	29	2055	.135	.047	.001	.001	1.270		9.00	63.00	.46		805.
77	4	30	325	.142	.046	.001	.001	1.433		10.00	63.00	.42		815.
77	5	16	1120	.060	.041	.006	.003	.673		8.00	81.00	.10		920.
77	6	13	1040	.056	.032	.003	.001	.783		6.00	67.00	1.09		875.
77	6	27	1100	.078	.039	.008	.005	.693		6.00	56.00	3.06		680.

**BELLE RIVER
AT
MEMPHIS, MICHIGAN**

USGS NO. 04160600

11

PRECEDING PAGE BLANK NOT FILLED

LAKE EPIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJON RIVER BASIN : BELLE RIVER

STREAM : BELLE RIVER

LOCATION W/CODE : AT MEMPHIS, MICHIGAN

USGS NO. 04160600

SAMPLING DATE YR MO DY	TIME 24:0 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	CCD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3 31	1335	.111	.042	3.100	.074		1.470		25.00	60.00	7.60		690.
77	3 31	2040	.110	.033	3.000	.061		.990		28.00	63.00	7.40		705.
77	4 1	255	.120	.037	2.800	.084		1.460		25.00	58.00	7.20		705.
77	4 1	855	.108	.041	2.100	.090		.950		19.00	61.00	7.10		720.
77	4 1	1340	.096	.041	2.100	.068		.930		19.00	62.00	7.10		735.
77	4 1	2055	.091	.038	2.000	.045		1.070		18.00	64.00	7.10		755.
77	4 25	1010	.140	.083	1.160	.076		1.310		10.00	86.00	6.10		800.
77	4 25	1700	.126	.074	1.120	.026		1.130		9.00	83.00	6.00		790.
77	4 25	2130	.131	.074	1.160	.023		1.250		9.00	82.00	6.10		790.
77	4 26	250	.121	.070	1.140	.018		1.310		11.00	81.00	5.80		800.
77	4 26	830	.115	.071	1.150	.015		1.110		8.00	83.00	5.20		795.
77	4 26	1345	.109	.070	1.090	.005		1.200		6.00	84.00	4.90		805.
77	4 26	2040	.128	.066	1.040	.004		1.270		6.00	86.00	4.70		810.
77	4 27	300	.100	.057	.990	.007		1.050		5.00	86.00	3.90		815.
77	4 27	830	.095	.058	.970	.004		.970		6.00	88.00	3.60		830.
77	4 27	1350	.098	.059	.850	.003		1.040		7.00	89.00	3.30		825.
77	4 27	2035	.098	.051	.740	.001		.880		3.00	90.00	2.70		835.
77	4 28	250	.094	.050	.710	.003		.920		9.00	93.00	2.20		855.
77	4 28	840	.092	.050	.650	.008		1.030		5.00	96.00	1.85		870.
77	4 28	1355	.102	.051	.490	.005		1.160		5.00	97.00	1.54		865.
77	4 28	2030	.096	.047	.460	.004		1.120		7.00	94.00	1.39		855.
77	4 29	320	.081	.045	.480	.007		1.240		2.00	90.00	1.25		860.
77	4 29	840	.080	.044	.470	.003		.830		3.00	89.00	1.25		875.
77	4 29	1350	.084	.044	.280	.001		.960		2.00	90.00	1.07		845.
77	4 29	2030	.097	.033	.144	.001		1.080		3.00	92.00	.75		845.
77	4 30	300	.109	.032	.176	.002		1.110		4.00	99.00	.54		895.
77	5 16	1350	.123	.095	.018	.004		.770		7.00	119.00	.33		995.
77	6 13	1010	.092	.077	.270	.006		.600		4.00	82.00	1.82		790.
77	6 27	1030	.184	.151	.075	.041		.730		9.00	96.00	5.20		785.

**CLINTON RIVER
AT
MT. CLEMENS, MICHIGAN**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJON RIVER BASIN : CLINTON RIVER

STREAM : CLINTON RIVER

LOCATION W/CODE : AT MT. CLEMENS, MICHIGAN

USGS NO. 04165500

SAMPLING DATE YR MO DY	TIME 24.00 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJEL MG/L	COD MG/L	SUSPENDED SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMMO
77	3	4	200	814.										
77	3	4	1825	1973.										
77	3	5	45	2561.										
77	3	5	540	2582.										
77	3	5	1140	2526.										
77	3	5	1630	2442.										
77	3	6	30	2120.										
77	3	6	615	1780.										
77	3	6	1220	1612.										
77	3	6	1615	1552.										
77	3	7	20	1510.										
77	3	7	615	1408.										
77	3	7	1145	1312.										
77	3	7	1605	1265.										
77	3	8	0	1215.										
77	3	8	615	1150.										
77	3	8	1135	1115.										
77	3	8	1555	1070.										
77	3	8	2355	1055.										
77	3	9	620	1085.										
77	3	28	155	920.										
77	3	28	1110	1786.										
77	3	28	1410	2071.										
77	3	28	1950	2750.										
77	3	29	125	3324.										
77	3	29	450	3534.										
77	3	29	1330	3520.										
77	3	29	1855	3499.										
77	3	30	125	3282.										
77	3	30	740	2960.										
77	3	30	1355	2617.										
77	3	30	1900	2342.										
77	3	31	140	2099.										
77	3	31	740	1475.										
77	3	31	1250	1750.										
77	3	31	1940	1600.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CLINTON RIVER

STREAM : CLINTON RIVER

LOCATION W/CODE : AT MT. CLEMENS, MICHIGAN USGS NO. 04165500

SAMPLING DATE YR MO DY	TIME 24.0 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	1	130	1498.	.159	.079	1.860	.092	.900	48.00	73.00	7.00		678.
77	4	1	740	1350.	.157	.073	1.830	.101	.850	40.00	75.00	6.80		680.
77	4	1	1255	1330.	.163	.098	1.950	.117	1.040	40.00	79.00	6.90		705.
77	4	1	2000	1270.	.163	.101	1.920	.129	1.050	38.00	80.00	6.80		710.
77	4	25	905	2596.	.188	.062	1.910	.098	1.150	66.00	60.00	7.10		585.
77	4	25	1610	3303.	.260	.111	1.600	.137	1.080	86.00	56.00	6.50		525.
77	4	25	1945	3401.	.220	.083	1.490	.117	1.140	67.00	53.00	6.50		515.
77	4	26	120	3450.	.220	.106	1.560	.144	1.220	73.00	56.00	6.90		535.
77	4	26	720	3282.	.210	.096	1.450	.105	1.200	54.00	58.00	6.60		560.
77	4	26	1250	2834.	.166	.085	1.460	.198	1.310	48.00	60.00	6.80		580.
77	4	26	1935	2309.	.155	.078	1.500	.115	1.180	32.00	63.00	7.00		620.
77	4	27	130	1938.	.144	.069	1.610	.119	1.210	41.00	67.00	6.70		650.
77	4	27	725	1690.	.156	.063	1.680	.107	1.170	52.00	71.00	6.60		670.
77	4	27	1300	1564.	.142	.072	1.760	.115	1.060	44.00	70.00	6.40		680.
77	4	27	1950	1456.	.148	.063	1.710	.110	1.240	44.00	72.00	6.00		680.
77	4	28	140	1372.	.155	.061	1.650	.117	.990	50.00	74.00	5.90		700.
77	4	28	735	1250.	.146	.062	1.720	.143	.970	43.00	78.00	5.50		720.
77	4	28	1305	1200.	.131	.065	1.720	.132	.970	49.00	79.00	5.40		735.
77	4	28	1950	1200.	.135	.062	1.720	.119	1.010	34.00	81.00	5.20		745.
77	4	29	140	778.	.151	.053	1.670	.147	1.130	44.00	83.00	5.10		745.
77	4	29	745	778.	.126	.054	1.880	.183	.900	30.00	84.00	4.90		755.
77	4	29	1300	778.	.122	.056	1.870	.154	.810	25.00	84.00	5.00		760.
77	4	29	1900	778.	.129	.063	1.900	.155	.820	22.00	86.00	5.10		765.
77	4	30	140	647.	.132	.063	1.850	.165	.890	27.00	85.00	4.80		765.
77	5	16	1000	219.	.340	.290	3.600	.198	.910	36.00	106.00	2.20		865.
77	6	13	910	223.	.340	.300	3.600	.230	1.020	30.00	111.00	3.10		830.
77	6	27	930	179.	.330	.260	3.100	.101	.790	23.00	98.00	2.20		720.

ROUGE RIVER

AT

**WEST JEFFERSON BRIDGE
CITY OF RIVER ROUGE, MICHIGAN**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : ROUGE RIVER

STREAM : ROUGE RIVER

LOCATION W/CODE : AT WEST JEFFERSON BRIDGE, MICH. MDNR NO. 820078

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	OR6. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	3	2100	1300.										
77	3	4	1440	765.										
77	3	4	2035	688.										
77	3	5	710	750.										
77	3	5	825	950.										
77	3	5	1245	580.										
77	3	5	2015	850.										
77	3	6	200	800.										
77	3	6	800	1200.										
77	3	6	1235	1200.										
77	3	6	2010	1000.										
77	3	7	210	1200.										
77	3	7	720	950.										
77	3	7	1240	1050.										
77	3	7	2000	1060.										
77	3	8	150	1133.										
77	3	8	720	1200.										
77	3	8	1240	1050.										
77	3	8	2000	1100.										
77	3	9	200	1100.										
77	3	28	700	2400.										
77	3	28	1250	2050.										
77	3	28	1850	2750.										
77	3	29	45	2690.										
77	3	29	645	2000.										
77	3	29	1240	3500.										
77	3	29	1830	2900.										
77	3	29	2355	2600.										
77	3	30	630	2350.										
77	3	30	1310	2100.										
77	3	30	1830	2000.										
77	3	31	715	1300.										
77	3	31	1300	1190.										
77	3	31	1710	980.										
77	4	1	30	1000.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

20

MAJOR RIVER BASIN : ROUGE RIVER

STREAM : ROUGE RIVER

LOCATION W/CODE : AT WEST JEFFERSON BRIDGE, MICH. MDNR NO. 820070

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C- UMHO
77	4	1	640	858.	.131	.076	.910	.310	.640	25.00	66.00	4.70		515.
77	4	1	1305	1358.	.119	.071	.918	.260	.700	18.00	68.00	4.90		550.
77	4	1	1410	1250.	.096	.059	.900	.250	.690	24.00	65.00	4.80		540.
77	4	2	30	1861.	.096	.055	.860	.260	.690	18.00	66.00	4.60		550.
77	4	25	1340	5800.	.290	.055	1.460	.320	1.240	32.00	63.00	5.70		485.
77	4	25	2020	6800.	.350	.053	2.000	.400	1.800	88.00	71.00	6.40		560.
77	4	26	30	6550.	.340	.082	1.700	.430	1.570	74.00	65.00	6.40		525.
77	4	26	540	6100.	.320	.086	1.520	.280	1.670	90.00	60.00	6.60		520.
77	4	26	1220	6280.	.330	.074	1.430	.260	1.700	140.00	54.00	6.60		495.
77	4	26	1710	5580.	.270	.080	1.480	.240	1.570	94.00	54.00	6.80		510.
77	4	27	10	4378.	.300	.094	1.520	.260	1.380	120.00	54.00	7.20		520.
77	4	27	630	3365.	.260	.092	1.420	.260	1.370	74.00	57.00	7.10		535.
77	4	27	1230	2150.	.230	.102	1.380	.220	1.280	45.00	61.00	7.20		555.
77	4	27	1725	2350.	.210	.097	1.390	.220	1.350	36.00	64.00	7.20		560.
77	4	28	10	1440.	.210	.070	1.260	.320	1.790	32.00	66.00	6.90		570.
77	4	28	535	1600.	.188	.095	1.190	.290	1.460	29.00	66.00	7.80		585.
77	4	28	1150	1600.	.240	.093	1.160	.420	1.470	31.00	69.00	6.70		595.
77	4	28	1720	1700.	.230	.135	1.050	.360	1.340	25.00	66.00	6.40		570.
77	4	29	0	1450.	.200	.105	.970	.380	1.350	21.00	63.00	5.90		570.
77	4	29	615	1015.	.179	.072	.910	.310	1.080	38.00	63.00	5.80		565.
77	4	29	1220	950.	.116	.038	.880	.260	.810	16.00	64.00	5.70		560.
77	4	29	1715	1200.	.110	.046	.830	.240	.830	16.00	61.00	5.40		535.
77	4	30	0	1280.	.122	.059	.790	.290	.970	14.00	60.00	5.20		535.
77	4	30	550	1000.	.176	.056	.770	.330	1.140	30.00	62.00	4.90		545.
77	5	16	1440	776.	.090	.032	.220	.210	.590	17.00	41.00	.40		400.
77	6	13	1400	1395.	.033	.033	.300	.310	.670	19.00	30.00	.97		345.
77	6	27	1415	697.	.097	.059	.220	.240	.560	10.00	23.00	.87		290.

HURON RIVER

AT

**SOUTH METROPOLITAN PARKWAY
NEAR NEW BOSTON, MICHIGAN**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT SOUTH METROPOLITAN PKWY MONR NO. 821114

SAMPLING DATE YR MO DY	TIME 24:00 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	3	2400	118.	.072	.027	.530	2.100		17.00	79.00	8.00		720.
77	3	4	1700	1040.	.139	.035	.580	1.900		50.00	95.00	8.40		750.
77	3	4	2320	1050.	.101	.032	.550	2.000		5.00	85.00	8.70		730.
77	3	5	420	1150.	.097	.039	.540	2.000		9.00	80.00	8.70		715.
77	3	5	1025	1180.	.096	.036	.530	2.000		18.00	80.00	8.40		720.
77	3	5	1515	1430.	.103	.035	.540	2.000		15.00	80.00	8.60		720.
77	3	5	2300	1460.	.102	.045	.550	2.000		3.00	80.00	8.60		720.
77	3	5	505	1430.	.102	.044	.560	2.000		13.00	79.00	8.30		705.
77	3	6	1150	1500.	.100	.041	.560	2.000		17.00	79.00	8.20		705.
77	3	6	1455	1520.	.103	.048	.570	1.900		16.00	79.00	8.10		710.
77	3	6	2250	1500.	.111	.037	.580	1.910		14.00	78.00	8.10		730.
77	3	7	505	1380.	.119	.044	.570	1.930		9.00	78.00	8.10		695.
77	3	7	1010	900.	.083	.040	.580	1.890		13.00	78.00	8.20		700.
77	3	7	1455	880.	.092	.039	.580	1.880		30.00	76.00	8.10		695.
77	3	7	2235	1330.	.096	.040	.600	1.810		15.00	75.00	8.20		690.
77	3	8	455	1220.	.086	.040	.610	1.770		5.00	74.00	8.00		685.
77	3	8	1010	1220.	.088	.039	.610	1.760		11.00	74.00	8.10		680.
77	3	8	1430	1150.	.090	.037	.630	1.730		25.00	73.00	8.10		680.
77	3	8	2235	880.	.087	.034	.630	1.680	1.880	13.00	73.00	8.00		680.
77	3	9	510	1330.	.084	.034	.640	1.680	1.880	13.00	72.00	8.00		680.
77	3	28	930	1230.	.067	.023	.810	.760	1.190	13.00	54.00	7.40		585.
77	3	28	1605	1330.	.086	.022	.790	.730	1.440	42.00	57.00	7.30		595.
77	3	28	2200	1400.	.068	.026	.810	.730	1.500	24.00	54.00	7.30		590.
77	3	29	405	1420.	.063	.023	.810	.750	1.580	22.00	53.00	7.40		580.
77	3	29	855	1415.	.058	.021	.800	.740	1.420	13.00	50.00	7.60		570.
77	3	29	1610	900.	.067	.019	.810	.720	1.520	25.00	53.00	7.70		580.
77	3	29	2145	2145.	.074	.019	.800	.760	1.840	42.00	50.00	7.80		580.
77	3	30	255	1700.	.101	.021	.790	.750	1.900	34.00	51.00	7.30		580.
77	3	30	840	1700.	.075	.021	.780	.750	1.840	29.00	51.00	7.40		585.
77	3	30	1630	2300.	.068	.020	.780	.750	1.420	36.00	52.00	7.40		580.
77	3	30	2235	2200.	.063	.023	.760	.770	1.500	35.00	53.00	7.50		590.
77	3	31	215	2100.	.058	.022	.750	.770	1.530	24.00	54.00	7.50		590.
77	3	31	950	1950.	.072	.021	.730	.780	1.270	36.00	53.00	7.10		595.
77	3	31	1630	1900.	.063	.023	.740	.790	1.320	28.00	55.00	7.40		600.
77	3	31	1945	1430.	.061	.029	.740	.780	1.420	22.00	56.00	7.50		605.
77	4	1	310	1220.	.056	.021	.750	.790	1.020	26.00	55.00	7.40		595.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT SOUTH METROPOLITAN PKWY MDNR NO. 821114

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	1	900	1150.	.066	.018	.750	.780	1.000	24.00	56.00	7.30		600.
77	4	1	1610	840.	.049	.020	.750	.740	1.140	14.00	57.00	.73		615.
77	4	1	1925	960.	.053	.023	.750	.760	1.310	21.00	56.00	7.40		600.
77	4	2	325	1150.	.049	.021	.750	.760	1.360	19.00	55.00	7.40		590.
77	4	25	1650	2250.	.060	.002	.740	.182	.050	25.00	49.00	1.62		565.
77	4	25	2305	1850.	.069	.001	.720	.220	.990	23.00	50.00	2.30		580.
77	4	26	325	1600.	.063	.004	.730	.240	1.800	22.00	49.00	2.60		580.
77	4	26	835	1600.	.062	.001	.710	.250	1.100	19.00	48.00	2.30		580.
77	4	26	1523	2350.	.061	.002	.700	.240	1.140	18.00	47.00	2.00		565.
77	4	26	2025	1600.	.059	.002	.700	.210	1.260	17.00	47.00	2.20		580.
77	4	27	305	1450.	.081	.002	.690	.240	1.310	15.00	47.00	2.30		570.
77	4	27	940	2100.	.080	.003	.630	.250	1.280	31.00	46.00	2.20		565.
77	4	27	1450	2300.	.058	.003	.620	.210	1.420	18.00	46.00	2.40		570.
77	4	27	1925	1400.	.065	.003	.620	.220	1.450	13.00	47.00	2.60		570.
77	4	28	300	1220.	.064	.003	.620	.230	1.230	17.00	47.00	2.70		570.
77	4	28	830	1220.	.064	.002	.630	.220	1.370	19.00	47.00	2.60		565.
77	4	28	1425	1250.	.059	.006	.600	.250	1.100	17.00	46.00	2.50		580.
77	4	28	1955	1500.	.057	.006	.590	.260	1.230	20.00	46.00	2.60		585.
77	4	29	245	1500.	.061	.009	.580	.280	1.340	12.00	46.00	2.70		580.
77	4	29	925	1500.	.061	.010	.560	.270	1.310	18.00	46.00	2.70		580.
77	4	29	1455	1650.	.056	.004	.560	.230	1.050	14.00	46.00	2.50		580.
77	4	29	2025	780.	.053	.003	.580	.210	1.100	14.00	48.00	2.70		580.
77	4	30	300	1250.	.076	.003	.560	.200	1.290	14.00	47.00	2.60		580.
77	4	30	830	1290.	.057	.005	.540	.191	1.240	15.00	46.00	2.40		580.
77	5	16	1725	102.	.054	.010	.390	.016	.860	15.00	50.00	.04		570.
77	6	13	1640	240.	.125	.084	.320	.400	1.150	15.00	52.00	1.27		570.
77	6	27	1445	180.	.087	.012	.370	.085	1.140	12.00	57.00	1.00		535.

**RIVER RAISIN
NEAR
MONROE, MICHIGAN**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : RIVER RAISIN

STREAM : RIVER RAISIN

LOCATION W/CODE : NEAR MONROE, MICHIGAN

USGS NO. 04176500

SAMPLING DATE YR MO DY	TIME 24:00 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	3	2245	652.	.147	2.200	.640	1.620		18.00	39.00	7.30		500.
77	3	4	1615	.300	.137	2.400	.500	1.750		56.00	35.00	7.30		485.
77	3	4	2145	.770	.154	2.500	.510			240.00	24.00	6.20		375.
77	3	5	300	.840	.155	2.600	.460			350.00	25.00	5.60		330.
77	3	5	935	.750	.166	2.600	.470			380.00	18.40	4.80		225.
77	3	5	1420	.680	.173	2.700	.480			280.00	18.40	4.90		278.
77	3	5	2125	.560	.189	2.800	.470			170.00	19.00	5.20		295.
77	3	6	330	.540	.230	2.600	.570			140.00	20.00	5.20		320.
77	3	6	1010	.620	.260	2.500	.680			120.00	22.00	5.50		340.
77	3	6	1405	.580	.250	2.500	.630			140.00	21.00	5.50		340.
77	3	6	2115	.480	.187	2.600	.470			160.00	21.00	5.10		320.
77	3	7	335	.480	.165	2.100	.460			140.00	19.80	4.90		295.
77	3	7	920	.480	.158	2.300	.460			170.00	19.50	5.00		290.
77	3	7	1355	.560	.149	2.400	.440			180.00	19.30	5.00		295.
77	3	7	2100	.500	.140	2.400	.390			200.00	18.80	5.00		310.
77	3	8	325	.460	.140	2.400	.380			160.00	18.30	5.00		300.
77	3	8	920	.430	.131	2.400	.380			160.00	17.70	5.10		380.
77	3	8	1345	.440	.127	2.300	.360			180.00	17.70	5.00		295.
77	3	8	2135	.690	.116	2.400	.350			260.00	16.20	4.80		275.
77	3	9	335	.600	.115	2.300	.360			270.00	16.20	5.00		290.
77	3	9	832	.300	.059	5.300	.094			280.00	39.00	6.60		580.
77	3	28	1450	.450	.059	9.600	.110			410.00	35.00	6.30		530.
77	3	28	2035	.390	.058	9.600	.105			340.00	34.00	6.70		525.
77	3	29	220	.440	.066	9.700	.106			360.00	33.00	6.80		515.
77	3	29	800	.400	.060	9.700	.112			330.00	33.00	7.00		510.
77	3	29	1505	.400	.062	9.700	.116			340.00	33.00	7.20		515.
77	3	29	2055	.380	.062	9.700	.100			310.00	32.00	7.40		520.
77	3	30	110	.310	.065	9.800	.109			200.00	32.00	7.00		525.
77	3	30	740	.280	.065	9.700	.140			150.00	34.60	7.20		545.
77	3	30	1530	.280	.061	9.500	.114			150.00	34.00	7.10		530.
77	3	30	1945	.240	.058	9.400	.095			130.00	33.00	7.30		525.
77	3	31	40	.220	.062	9.200	.086			120.00	33.00	7.50		525.
77	3	31	825	.210	.058	8.900	.073			120.00	34.00	7.60		525.
77	3	31	1455	.200	.057	8.800	.066			110.00	33.00	7.70		515.
77	3	31	1825	.195	.055	8.500	.071			110.00	32.00	7.90		510.
77	4	1	133	.189	.054	8.300	.062			99.00	31.00	7.80		515.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : RIVER RAISIN

STREAM : RIVER RAISIN

LOCATION W/CODE : NEAR MONROE, MICHIGAN

USGS NO. 04176500

SAMPLING DATE	TIME	FLOW	TOTAL	ORTH0	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR	MO	DAY	PHOS.	PHOS.	MG/L	MG/L	MG/L	KJELD	MG/L	MG/L	MG/L	MG/L	MG/L	25C.
77	4	1	188	.051	7.800	.058		1.060		94.00	31.00	8.00		510.
77	4	1	.179	.060	7.500	.059		1.120		84.00	30.00	7.90		520.
77	4	1	.176	.056	7.400	.055		1.250		86.00	30.00	8.10		525.
77	4	2	.175	.055	7.200	.051		1.130		80.00	30.00	8.20		525.
77	4	25	.350	.120	9.100	.230		1.480		75.00	27.00	8.10		460.
77	4	25	.340	.115	8.800	.240		1.480		170.00	26.00	8.20		455.
77	4	26	.380	.106	8.700	.220		1.810		140.00	26.00	8.40		450.
77	4	26	.320	.104	8.600	.220		1.540		150.00	27.00	8.60		455.
77	4	26	.290	.099	8.600	.196		1.470		110.00	26.00	8.20		465.
77	4	26	.280	.097	8.500	.172		1.500		100.00	26.00	8.20		455.
77	4	27	.220	.094	8.600	.161		1.560		76.00	27.00	8.50		485.
77	4	27	.198	.085	8.300	.139		1.200		71.00	27.00	8.40		500.
77	4	27	.187	.082	8.100	.121		1.450		58.00	27.00	8.40		495.
77	4	27	.174	.079	8.100	.102		1.360		63.00	28.00	8.40		495.
77	4	28	.166	.074	7.900	.086		1.450		56.00	28.00	8.50		495.
77	4	28	.166	.069	7.700	.082		1.030		58.00	28.00	8.60		495.
77	4	28	.157	.069	7.500	.084		1.090		45.00	28.00	8.50		505.
77	4	28	.151	.065	7.400	.079		1.090		56.00	28.00	8.50		520.
77	4	29	.179	.067	7.300	.079		1.180		44.00	28.00	8.50		530.
77	4	29	.154	.067	7.200	.072		1.190		38.00	29.00	8.50		535.
77	4	29	.136	.063	7.200	.064		.910		41.00	29.00	8.30		530.
77	4	29	.131	.060	7.100	.059		.810		42.00	29.00	8.30		540.
77	4	30	.132	.062	7.000	.060		.980		39.00	29.00	8.40		545.
77	4	30	.136	.067	6.800	.060		.950		39.00	30.00	8.30		550.
77	5	16	.167	.104	2.500	.004		.840		30.00	35.00	1.87		640.
77	6	13	.270	.230	2.400	.016		.890		37.00	45.00	3.40		670.
77	6	27	.260	.132	.690	.006		1.070		21.00	40.00	3.00		640.

**MAUMEE RIVER
AT
WATERVILLE, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : AT WATERVILLE, OHIO

USGS NO. 04193500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	CRG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	1	10	1800	27140.						579.00		5.80		
75	1	10	2400	30460.						499.00		6.20		
75	1	11	600	31800.						670.00		6.20		
75	1	11	1800	31960.						632.00		6.10		
75	1	11	2400	31320.						656.00		5.90		
75	1	12	600	29660.						671.00		5.70		
75	1	12	1200	28540.						252.00		6.60		
75	1	12	1800	26980.						372.00		7.60		
75	1	12	2400	25850.						305.00		7.40		
75	1	13	600	23680.						267.00		8.20		
75	1	13	1800	20440.						571.00		7.20		
75	1	13	2400	18460.						408.00		8.20		
75	1	14	1800	14980.						241.00	20.00	7.80		485.
75	1	15	1800	11020.						227.00	18.00	7.60		441.
75	1	16	1800	9210.						157.00	18.00	8.80		454.
75	1	17	1800	5680.						89.60	20.00	7.70		468.
75	1	18	1800	4890.						76.60	19.00	8.40		482.
75	1	19	1800	4030.						63.50	19.00	7.60		496.
75	1	20	1800	3100.						50.40	24.00	7.90		516.
75	1	21	1800	2730.							29.00			545.
75	1	22	1800	2280.							35.00			559.
75	1	23	1800	2230.							35.00			582.
75	1	24	1800	2310.							37.00			583.
75	1	25	1800	2490.							46.00			590.
75	1	26	1800	2700.							43.00			630.
75	1	27	1800	3210.							36.00			646.
75	1	28	1800	7850.						17.30	36.00			655.
75	1	29	1800	15650.						80.60	35.00			662.
75	1	30	1800	18640.						160.00	36.00			669.
75	1	31	1800	16500.						473.00	29.00			489.
75	2	1	1800	12500.						444.00	21.00			440.
75	2	2	1800	9650.						362.00	18.00			405.
75	2	3	1800	6010.						208.00	17.00			418.
75	2	4	1800	5090.						144.00	33.00	8.60		467.
75	2	5	1800	4260.						126.00	35.00	9.10		506.
75	2	6	1800							136.00	36.00	9.00		509.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION V/CODE : AT WATERVILLE, OHIO

USGS NO. 04193500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	MRS.											
75	2	8	1800	3450.	.375	.125	6.500	.285		70.40	38.00	9.50		520.
75	2	9	1800	3240.	.330	.120	5.950	.300		57.50	36.00	8.80		535.
75	2	10	1800	3150.	.310	.115	6.200	.335		49.80	40.50	9.10		581.
75	2	11	1800	2050.	.160	.100	4.600	.367	64.00	39.40	39.80			454.
75	2	12	1800	2280.	.200	.140	6.400	.351		33.30	46.00			606.
75	2	13	1800	2440.	.190	.140	6.400	.428		35.90	50.00			616.
75	2	14	1800	2180.	.200	.150	6.300	.503		33.40	54.00			643.
75	2	15	1800	2050.	.200	.120	6.000	.330		29.10	58.00			666.
75	2	16	1800	1660.	.200	.150	6.300	.303		28.10	58.00			670.
75	2	17	1800	2050.	.190	.150	6.000	.345		21.70	62.00			688.
75	2	21	1800	12000.	.377	.150	7.000	.767		143.00	24.00			471.
75	2	22	1800	9210.	.296	.166	7.320	.607		82.70	22.50			637.
75	2	23	1800	25640.	.406	.030	7.740			253.00	35.50			630.
75	2	24	1800	46530.	.911	.104	8.560	.104		657.00	36.50			672.
75	2	25	1800	51220.	1.120	.104	7.940	.104		714.00	52.00			691.
75	2	26	900	50050.	1.110	.090	7.280	.092		703.00	52.00			701.
75	2	26	1800	48600.					104.00					
75	2	27	1800	39080.	.886	.100	5.760	.161		208.00	18.00			322.
75	2	28	1800	26480.	.727	.115	5.600	.260		440.00	18.90			342.
75	3	1	1800	19900.	.603	.090	5.160	.445		341.00	19.90			355.
75	3	2	1800	15500.	1.820	.516	4.800	.200		265.00	21.20			368.
75	3	3	1800	11140.	.418	.151	4.760	.212		135.00	20.80			384.
75	3	4	1800	7730.	.340	.106	4.640	1.000		119.00	26.50			350.
75	3	6	1800	4350.	.255	.090	4.980	.285		39.40	20.00			423.
75	3	7	1800	4720.	.227	.084	5.240	.185		50.80	25.00			458.
75	3	8	1800	9170.	.231	.114	5.660	.340		53.60	23.70			494.
75	3	9	1800	9870.	.224	.096	6.000	.400		47.90	28.90			509.
75	3	10	1800	8480.	.250	.090	5.560	.355		149.00	28.00	10.70		474.
75	3	11	1800	6610.	.300	.155	6.780	.443		28.20	35.00	15.40		575.
75	3	12	1800	6190.	.250	.120	6.790	.418		58.70	32.00	8.12		585.
75	3	13	1800	6160.	.220	.107	6.700	.421		61.60	36.00	12.00		579.
75	3	14	1800	7240.	.230	.106	6.820	.312		20.80	37.00	14.90		590.
75	3	15	1800	5970.	.210	.107	6.700	.318		44.40	21.00	14.30		583.
75	3	16	1800	5130.	.210	.115	6.900	.380		32.40	38.00	14.70		594.
75	3	17	1800	5200.	.200	.115	7.300	.387		21.20	43.00	13.10		616.
75	3	2	1800	9920.	.170	.070	3.700	.225		51.60	23.00	5.10		384.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : AT WATERVILLE, OHIO

USGS NO. 04193500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
75	3 21	1800	9300.	.260	.103	6.820	.311			80.90	40.00	8.78		577.
75	3 22	1800	8318.	.340	.113	7.300	.405			74.50	40.00	7.90		580.
75	3 23	1800	6348.	.300	.116	7.200	.253			66.60	38.00	7.77		575.
75	3 24	1800	6698.	.335	.110	7.120	.244			90.80	29.50	7.75		548.
75	3 26	1800	4858.		.115	6.500	.160			57.90	48.00	7.68		559.
75	3 27	1800	4758.		.110	6.800	.160			61.30	47.00	7.10		545.
75	3 28	1800	4658.		.110	6.300	.140			49.30	45.00	6.10		565.
75	3 29	1800	4798.		.115	6.200	.140			46.30	47.00	7.70		580.
75	3 30	1800	10908.		.155	6.300	.230			65.20	58.00	7.78		625.
75	3 31	1800	15558.		.170	5.400	.210			146.80	45.00	7.55		556.
75	4 1	1800	12158.	.454	.035	7.800	.520			192.00	52.00			588.
75	4 1	2300	10458.	.314	.105	7.570	.410			206.00	67.00			529.
75	4 2	1500	7658.	.280	.100	7.680	.295			182.00	65.00			589.
75	4 2	2300	6758.	.286	.090	7.830	.270			210.00	62.00			496.
75	4 3	1500	6968.	.342	.090	7.930	.285			218.00	51.00			479.
75	4 3	2300	6428.	.261	.095	8.170	.265			162.00	64.00			476.
75	4 4	1500	6508.	.246	.100	8.310	.245			111.00	66.00			496.
75	4 4	2300	6348.	.211	.105	8.580	.250			115.00	69.00			512.
75	4 5	1700	6048.	.160	.110	8.250	.245			185.80	68.00			558.
75	4 6	1500	5548.	.150	.090	7.350	.175			74.20	76.00			558.
75	4 6	2300	5230.	.174	.100	7.200	.195			84.40	74.00			549.
75	4 7	1500	4898.		.180	6.950	.175			82.90				569.
75	4 9	1500	3728.	.180						112.00	58.00			472.
75	4 9	2300	3878.	.180						71.30	64.00			543.
75	4 10	1500	3698.	.190						54.10	62.00			581.
75	4 10	2300	3428.	.210						62.90	60.00			577.
75	4 11	1500	3218.	.180						55.30	58.00			564.
75	4 11	2300	2958.	.200						56.10	59.00			571.
75	4 12	1500	2928.	.190						47.40	54.00			576.
75	4 12	2300	2818.	.170						46.30	60.00			581.
75	4 13	1500	2598.	.170						13.30	60.00			585.
75	4 14	1500	2158.	.170						41.00	62.00			594.
75	4 14	2300	2158.	.160						38.60	59.00			596.
75	4 22	1800	6088.	.230	.020	5.200	.630			105.00	61.00	7.00		559.
75	4 26	1800	13858.	.402	.095	7.900	.140			184.00	47.00	12.20		486.
75	4 27	1800	9618.	.397	.105	8.000	.150			173.00	46.00	11.80		482.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : AT WATERVILLE, OHIO

USGS NO. 04193500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	4	28	1800	7240.	.319	.056	8.800	.130		134.00	45.00	12.60		482.
75	5	1	1800	11100.	.127	.024	5.960	.119		137.00	30.00	13.20		428.
75	5	2	1800	9610.	.227	.059	7.200	.148		183.00	30.50	12.70		456.
75	5	3	1800	7000.	.240	.079	7.920	.279		111.00	36.50	13.10		511.
75	5	4	1800	5900.	.212	.078	7.450	.082		88.00	33.50	13.90		527.
75	5	5	1800	5160.	.143	.028	4.770	.057		94.70	24.50	10.60		417.
75	5	7	1800	12450.	.202	.041	3.740	.061		189.00	20.50	9.94		343.
75	5	8	1800	8480.	.211	.026	6.120	.108		179.00	27.00	11.90		407.
75	5	10	1800	6190.	.217	.077	5.130	.085		131.00	30.00	11.00		541.
75	5	16	1800	2090.	.425	.070	4.100	.050		109.00	36.00	11.40		402.
75	5	17	1800	2050.	.289	.080	4.350	.045		89.90	45.00	11.90		490.
75	5	18	1800	2070.	.280	.100	4.070	.041		81.20	45.00	12.40		514.
75	5	19	1800	2050.	.238	.068	3.750	.030		56.20	46.00	10.70		531.
75	5	20	1800	2120.	.260	.050	3.700	.075		67.90	42.00	9.81		537.
75	5	29	1800	3750.	.346	.132	10.200	1.630		23.90		13.50		
75	5	30	1800	3110.	.315	.132	10.500	1.400		111.00		12.80		
75	5	31	1800	2600.	.300	.150	9.350	.070		103.00		14.00		
75	6	1	1800	2490.	.300	.141	9.030	.069		102.00		14.20		

**MAUMEE RIVER
NEAR
WATERVILLE, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	4	1	1500	12350.										
75	4	1	2100	10900.										
75	4	2	300	9740.										
75	4	2	900	8560.										
75	4	2	2100	6800.										
75	4	3	300	7770.										
75	4	3	900	7970.										
75	4	3	1500	6960.										
75	4	3	2100	6770.										
75	4	4	300	5900.										
75	4	4	900	6120.										
75	4	4	1500	6500.										
75	4	4	2100	6530.										
75	4	5	300	6190.										
75	4	5	900	6120.										
75	4	5	1500	6080.										
75	4	5	2100	5970.										
75	4	6	300	5790.										
75	4	6	900	5720.										
75	4	6	1500	5540.										
75	4	6	2100	5340.										
75	4	7	300	5090.										
75	4	7	900	4990.										
75	4	7	1500	4890.										
75	4	7	2100	4720.										
75	4	8	300	4650.										
75	4	8	900	4620.										
75	4	8	1030	4510.										
75	4	8	2230	4350.										
75	4	9	430	4220.										
75	4	9	1030	4160.										
75	4	9	1630	3660.										
75	4	9	2230	3870.										
75	4	10	430	3870.										
75	4	10	1030	3840.										
75	4	1	1500	12350.										
75	4	1	2100	10900.										
75	4	2	300	9740.										
75	4	2	900	8560.										
75	4	2	2100	6800.										
75	4	3	300	7770.										
75	4	3	900	7970.										
75	4	3	1500	6960.										
75	4	3	2100	6770.										
75	4	4	300	5900.										
75	4	4	900	6120.										
75	4	4	1500	6500.										
75	4	4	2100	6530.										
75	4	5	300	6190.										
75	4	5	900	6120.										
75	4	5	1500	6080.										
75	4	5	2100	5970.										
75	4	6	300	5790.										
75	4	6	900	5720.										
75	4	6	1500	5540.										
75	4	6	2100	5340.										
75	4	7	300	5090.										
75	4	7	900	4990.										
75	4	7	1500	4890.										
75	4	7	2100	4720.										
75	4	8	300	4650.										
75	4	8	900	4620.										
75	4	8	1030	4510.										
75	4	8	2230	4350.										
75	4	9	430	4220.										
75	4	9	1030	4160.										
75	4	9	1630	3660.										
75	4	9	2230	3870.										
75	4	10	430	3870.										
75	4	10	1030	3840.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	4 10 1630	3630.	.206	.086	5.800	.090				50.00	58.00	10.20		595.
75	4 10 2230	3420.	.206	.086	5.920	.045				58.30	58.00	9.80		600.
75	4 11 430	3390.	.206	.086	5.980	.060				54.20	58.00	10.00		607.
75	4 11 1030	3300.	.196	.080	5.900	.030				45.70	58.00	9.90		686.
75	4 11 1630	3180.	.196	.080	5.800	.115				49.50	56.00	9.95		683.
75	4 11 2230	2950.	.196	.080	5.700	1.280				54.30	56.00	9.70		684.
75	4 12 430	2890.	.180	.080	5.850	.025				47.50	56.00	6.32		689.
75	4 12 1030	2890.	.180	.080	5.780	.060				49.50	56.00	8.50		610.
75	4 12 1630	2950.	.190	.070	5.680	.080				52.90	57.00	9.40		605.
75	4 12 2230	2870.	.206	.070	5.750	.390				61.60	59.00	9.52		612.
75	4 13 430	2640.	.180	.070	5.650					55.50	59.00	9.10		614.
75	4 13 1030	2640.	.180	.080	5.550	.290				53.20	60.00	9.20		617.
75	4 13 1630	2590.	.180	.070	5.600	.180				50.60	60.00	8.40		611.
75	4 13 2230	2570.	.190	.060	5.650					56.30	61.00	8.20		627.
75	4 14 430	2360.	.190	.080	5.620	.100				58.10	62.00	9.28		635.
75	4 14 1030	2440.	.200	.290	5.450					49.40	61.00	8.80		620.
75	4 14 1630	2200.	.200	.190	5.480	.255				56.40	62.00	9.30		630.
75	4 14 2230	2150.	.190	.240	5.450	.230				50.90	64.00	8.30		629.
75	4 15 430	2310.	.180	.100	5.480	1.120				42.20	62.00	8.02		637.
75	4 15 1500	2250.	.165	.060	5.500	.030				32.80	63.00	9.97		629.
75	4 16 1500	2200.	.160	.050	5.300	.120				32.90	62.00	9.40		637.
75	4 17 1500	1780.	.155	.045	5.000	.040				35.40	62.00	7.90		636.
75	4 18 1500	2150.	.200	.025	4.900	.050				67.60	61.00	8.30		640.
75	4 19 1500	3300.	.270	.090	6.600	.080				112.00	64.00	8.90		654.
75	4 20 1500	4820.	.205	.035	5.000	.090				70.20	66.00	7.70		668.
75	4 21 1500	6080.	.205	.025	4.900	.060				63.50	66.00	8.00		659.
75	4 22 1200	5900.	.190	.070	6.100	.050				63.50	69.00	8.00		674.
75	4 22 1800	6080.	.220	.070	6.400	.060				79.10	66.00	8.00		653.
75	4 22 2400	5860.	.240	.070	6.400	.050				77.90	85.00	9.20		657.
75	4 23 600	5860.	.220	.070	6.400	.050				72.90	68.00	8.30		669.
75	4 23 1200	5970.	.230	.080	6.300	.065				81.50	69.00	8.20		682.
75	4 23 1800	6270.	.230	.075	6.200	.060				75.80	94.00	8.00		688.
75	4 23 2400	6420.	.240	.080	5.900	.050				78.90	95.00	8.20		692.
75	4 24 600	6500.	.240	.080	5.600	.060				74.90	96.00	8.60		692.
75	4 24 1200	6570.	.490	.120	4.400	1.000				92.50	92.00	8.90		693.
75	4 24 1800	7040.	.250	.080	5.600	.050				86.60	87.00	9.20		640.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	4 24	2400	8310.	.260	.080	5.900	.050			112.00	77.00	12.30		600.
75	4 25	600	10450.	.260	.075	6.100	.055			124.00	77.00	11.30		585.
75	4 25	1200	12900.	.360	.075	7.100	.070			194.00	69.00	12.00		545.
75	4 25	1800	14400.	.360	.070	7.200	.060			188.00		11.70		543.
75	4 25	2400	15000.	.390	.080	7.200	.060			210.00	68.00	11.90		545.
75	4 26	600	15100.	.410	.090	7.000	.070			237.00	73.00	10.60		556.
75	4 26	1200	14660.	.500	.095	7.200	.060			296.00	70.00	11.40		555.
75	4 26	1800	13950.	.490	.080	7.400	.080			278.00	70.00	12.40		555.
75	4 26	2400	12700.	.450	.075	7.400	.080			262.00	65.00	11.40		530.
75	4 27	600	11700.	.430	.070	7.400	.080			252.00	66.00	12.40		517.
75	4 27	1200	10500.	.420	.100	7.400	.095			218.00	63.00	12.80		508.
75	4 27	1800	9610.	.370	.090	7.400	.075			192.00	63.00	14.00		505.
75	4 27	2400	8820.	.350	.080	8.100	.095			171.00	49.00	12.70		507.
75	4 28	600	7850.	.340	.080	8.200	.110			152.00	73.00	12.90		504.
75	4 28	1200	7280.	.320	.080	8.400	.125			144.00	43.00	13.80		506.
75	4 28	1800	7240.	.290	.090	8.600	.125			124.00	70.00	13.80		512.
75	4 28	2400	8690.	.290	.090	8.700	.125			123.00	73.00	12.50		513.
75	4 29	600	9830.	.290	.080	8.800	.120			119.00	74.00	13.30		513.
75	4 29	1100	10500.		.092	8.500	.050			114.00		9.30		525.
75	4 30	1100	12950.		.123	8.200	.065			161.00	31.00	8.40		533.
75	5 1	1100	11500.		.098	7.400	.055			153.00	33.00	8.60		534.
75	5 2	1100	10850.		.105	8.200	.070			157.00	32.00	8.20		532.
75	5 3	1100	7440.		.110	8.600	.079			120.00	33.00	9.60		531.
75	5 4	1100	6460.		.090	8.000	.071			90.60	34.00	9.30		543.
75	5 5	1100	5300.		.095	7.200	.056			83.10	33.00	8.30		559.
75	5 6	500	4820.		.087	7.000	.034			88.10	34.00	8.60		568.
75	5 6	1530	9430.	.295	.118	8.200	.056			109.00	32.50	9.80		584.
75	5 7	1530	12850.	.473	.126	10.700	.070			101.00	30.00	10.90		559.
75	5 8	1530	8560.	.398	.110	11.900	.022			214.00	27.00	11.20		536.
75	5 9	1530	7120.	.341	.092	10.800	.040			189.00	26.00	11.40		506.
75	5 10	1530	6270.	.312	.078	9.540	.070			187.00	25.00	11.20		492.
75	5 11	1530	6080.	.302	.091	8.050	.054			159.00	25.00	11.20		497.
75	5 11	1800	5900.	.232	.082	6.060	.074			115.00	32.00	12.10		543.
75	5 12	1520	5540.	.293	.065	7.400	.411			140.00	26.50	10.90		510.
75	5 15	1100	2950.		.036	4.460	.103			146.00	40.00	11.00		550.
75	5 16	1100	2080.		.066	4.620	.457			99.60	41.00	9.45		535.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 24:00	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NR-3 MG/L	CRG. NIT. MG/L	TOTAL KJELD MG/L	COD P5/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	5 17	1100	2100.	.083	4.100	.081				115.00	39.00	10.30		529.
75	5 18	1100	2000.	.051	3.680	.059				106.00	39.00	13.60		530.
75	5 19	1100	1800.	.037	3.320	.141				86.80	39.00	6.06		530.
75	5 20	1100	1730.	.055	3.100	.066				85.60	40.00	10.70		537.
75	5 20	1130	1970.	.098	3.540	.026				72.40	45.00	6.83		534.
75	5 20	1730	2080.	.095	3.530	.057				79.00	45.00	13.20		543.
75	5 20	2330	2570.	.093	3.270	.057				74.80	46.00	9.80		540.
75	5 21	530	4280.	.065	3.470	.036				110.00	47.00	10.60		550.
75	5 21	1130	8060.	.105	3.330	.062				96.10	49.00	11.50		563.
75	5 21	1730	10750.	.115	3.090	.077				125.00	50.00	12.20		573.
75	5 21	2330	11180.	.085	2.740	.057				131.00	51.00	11.70		589.
75	5 22	530	10500.	.100	3.340	.059				138.00	52.00	10.90		596.
75	5 22	1130	10000.	.115	3.680	.069				111.00	56.00	10.80		617.
75	5 22	1730	10270.	.115	3.980	.091				195.00	53.00	11.00		581.
75	5 22	2330	12150.	.100	4.920	.082				260.00	44.00	11.50		519.
75	5 23	530	16190.	.112	6.460	.082				412.00	41.00	12.50		487.
75	5 23	1130	19420.	.095	8.410	.093				522.00	38.00	13.90		477.
75	5 23	1730	21050.	.047	8.630	.093				575.00	36.00	13.70		468.
75	5 23	2330	22420.	.102	8.330	.930				671.00	33.00	14.00		439.
75	5 24	530	22840.	.120	8.110	.100				664.00	33.00	14.60		436.
75	5 24	1130	22160.	.110	7.290	.101				822.00	34.00	14.20		434.
75	5 24	1730	20320.	.085	7.820	.113				700.00	36.00	13.70		441.
75	5 24	2330	17950.	.105	8.450	.088				699.00	37.00	13.60		452.
75	5 25	530	15650.	.028	8.620	.098				469.00	37.00	12.50		464.
75	5 25	1130	13900.	.110	9.050	.074				398.00	38.00	14.80		471.
75	5 25	1730	12450.	.107	9.340	.057				370.00	40.00	15.10		499.
75	5 25	2330	10550.	.095	9.230	.041				366.00	42.00	15.20		506.
75	5 26	530	6770.	.115	9.270	.057				271.00	42.00	13.80		501.
75	5 26	1130	6500.	.055	9.590	.062				299.00	41.00	13.50		495.
75	5 26	1730	6650.	.105	9.490	.062				299.00	40.00	14.20		491.
75	5 26	2330	6530.	.105	9.510	.051				266.00	39.00	14.00		504.
75	5 27	530	6570.	.093	9.730	.064				302.00	42.00	15.00		503.
75	5 27	1115	6650.	.144	10.200	.058				264.00	61.00	14.60		496.
75	5 27	1715	6610.	.142	10.300	.055				265.00	16.00	16.00		500.
75	5 27	2315	6120.	.150	10.100	.050				235.00		15.90		489.
75	5 28	515	5760.	.150	9.300	.060				226.00	45.00	14.40		463.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 84193499

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	5 28 1115	5440.	.633	.190	8.870	.410				279.00	61.00	14.50		465.
75	5 28 1715	5130.	.481	.145	9.050	.060				254.00	47.00	15.60		474.
75	5 28 2315	4510.	.431	.140	9.180	.052				199.00	61.00	16.50		461.
75	5 29 515	4350.	.442	.145	9.550	.046				196.00	47.00	15.40		479.
75	5 29 1115	4130.	.405	.140	9.300	.170				166.00	66.00	15.00		486.
75	5 29 1715	3750.	.374	.145	9.300	.066				146.00		16.40		499.
75	5 29 2315	3570.		.145	9.300	.070				141.00		16.10		490.
75	5 30 515	4290.	.392	.145	9.300	.058				156.00	53.00	15.80		
75	5 30 1115	3100.	.393	.140	9.150	.056				155.00	68.00	15.00		507.
75	5 30 1715	3070.	.364	.131	9.050	.050				146.00		15.60		518.
75	5 30 2315	2730.	.332	.137	9.000	.060					69.00	15.30		520.
75	5 31 515	2540.	.353	.140	8.900	.070				237.00		16.00		524.
75	5 31 1115	2620.	.377	.130	8.750	.048				137.00		15.60		521.
75	5 31 1715	2570.	.315	.130	8.600	.090				105.00	55.00	15.30		540.
75	5 31 2315	2410.	.311	.121	8.500	.053				103.00		15.90		536.
75	6 1 515	2410.	.349	.122	8.450	.040				133.00		17.20		547.
75	6 1 1115	2440.	.330	.120	8.300	.030				113.00		14.00		538.
75	6 1 1715	2460.	.319	.115	8.200	.022				109.00		15.80		549.
75	6 1 2315	2670.	.325	.117	7.850	.028				111.00		15.00		526.
75	6 2 515	1570.	.358	.120	7.570	.037				135.00		15.00		543.
75	6 2 1115	2920.	.344	.115	7.300	.040				133.00	63.00	15.30		525.
75	6 2 1450	3240.	.422	.150		.070				213.00	39.50			554.
75	6 2 2050	3010.	.331	.140		.100				150.00	30.50			549.
75	6 3 250	4220.	.363	.140		.100				164.00	37.50			550.
75	6 3 050	4420.	.359	.130		.110				170.00	37.00			548.
75	6 3 1450	4550.	.349	.130		.118				162.00	36.50			543.
75	6 3 2050	4020.	.360	.131		.098				182.00	36.00			545.
75	6 4 250	4960.	.390	.139		.090				197.00	36.00			556.
75	6 4 050	5620.	.383	.140		.090				187.00	38.00			573.
75	6 4 1450	6610.	.363	.145		.080				167.00	38.00			578.
75	6 4 2050	7730.	.369	.142		.065				179.00	38.00			584.
75	6 5 250	8910.	.397	.140		.065				187.00	38.00			590.
75	6 5 050	10500.	.370	.130		.060				168.00	38.50			591.
75	6 5 1450	11550.	.386	.120		.050				215.00	38.00			590.
75	6 5 2050	13150.	.414	.110		.050				260.00	37.00			581.
75	6 6 250	13700.	.461	.100		.075				298.00	36.00			585.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION V/CODE : NEAR WATERVILLE, OHIO

USGS NO. 84193490

SAMPLING DATE	TIME	FLOW	TOTAL	ORTH0	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR	MO	DAY	PHOS.	PHOS.	NO-3	MG/L	MG/L	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	25C.
MO	DAY	HRS.	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
75	6	6	.477	.100	9.700	.025				317.00	36.00	15.40		589.
75	6	6	.483	.105	10.300	.020				324.00	37.00	16.10		599.
75	6	7	.466	.117	9.800	.025				298.00	38.00	16.00		606.
75	6	7	.427	.114	9.800	.018				243.00	39.00	15.60		600.
75	6	7	.390	.107	9.670	.020				243.00	37.00	15.80		582.
75	6	7	.418	.104	9.670	.043				281.00	35.00	15.60		554.
75	6	7	.428	.100	9.480	.031				264.00	32.50	15.60		534.
75	6	8	.414	.105	9.480	.030				259.00	32.00	14.60		523.
75	6	8	.363	.100	9.670	.030				222.00	31.50	15.60		515.
75	6	8	.354	.105	9.750	.045				209.00	32.00	15.80		518.
75	6	9	.361	.103	9.850	.030				189.00	43.00	15.90		521.
75	6	9	.360	.104	9.680	.032				194.00	34.50	15.50		522.
75	6	9	.520	.102	10.300	.070				364.00	28.00	12.90		522.
75	6	9	.520	.119	8.500	.919				260.00	30.00	14.10		540.
75	6	9	.354	.110	8.500	.126				184.00	31.00	13.60		530.
75	6	10	.350	.144	8.350	.160				198.00	31.50	13.50		537.
75	6	10	.350	.111	9.700	.121				165.00	32.00	13.90		539.
75	6	10	.341	.102	9.600	.091				183.00	33.00	13.70		542.
75	6	10	.332	.090	9.600	.104				173.00	33.50	13.70		547.
75	6	11	.354	.104	9.600	.087				235.00	33.00	13.30		547.
75	6	11	.327	.096	9.500	.091				177.00	33.00	13.60		550.
75	6	11	.345	.101	9.470	.075				179.00	33.50	13.60		548.
75	6	11	.332	.090	9.170	.085				165.00	34.00	13.30		546.
75	6	12	.332	.084	9.000	.477				238.00	34.00	15.60		557.
75	6	12	.332	.102	8.800	.087				167.00	34.50	15.40		550.
75	6	12	.332	.105	8.800	.077				169.00	35.00	12.90		556.
75	6	12	.327	.092	8.650	.058				173.00	35.50	13.20		564.
75	6	13	.345	.099	8.670	.054				188.00	35.50	12.60		563.
75	6	13	.354	.094	8.650	.050				177.00	36.00	13.10		573.
75	6	13	.354	.103	8.600	.041				177.00	38.50	12.70		579.
75	6	13	.332	.092	8.200	.030				163.00	38.00	12.40		588.
75	6	14	.350	.090	8.000	.020				164.00	38.00	11.90		589.
75	6	14	.323	.093	6.880	.011				157.00	37.50	13.00		606.
75	6	14	.345	.100	6.600	.019				176.00	38.50	12.70		602.
75	6	14	.327	.105	6.250	.016				159.00	38.50	12.70		598.
75	6	15	.368	.102	6.100	.022				170.00	37.50	12.80		589.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	6	15	1100	5260.	.372	.108	5.950	.013		180.00	36.50	12.30		578.
75	6	15	1700	6800.	.359	.111	6.000	.023		180.00	36.50	12.60		573.
75	6	15	2300	11180.	.381	.108	6.300	.024		210.00	36.50	12.50		566.
75	6	16	500	21740.	.453	.126	6.750	.032		266.00	40.50	11.60		586.
75	6	16	1130	23000.	1.450	.135	9.530	.030		844.00	35.00	12.90		528.
75	6	17	1130	21240.	1.280	.115	8.430			1099.00	24.10	13.20		427.
75	6	18	14950.	.895	.110	8.980				788.00	23.50	13.00		427.
75	6	19	1130	6800.	.590	.100	9.370	.020		381.00	25.80	13.60		447.
75	6	20	1130	6800.	.510	.095	9.320	.020		278.00	27.00	13.80		468.
75	6	21	1130	4450.	.372	.100	8.980	.010		321.00	28.10	13.60		496.
75	6	22	1130	3690.	.510	.095	9.320			229.00	28.90	14.20		512.
75	6	23	530	3630.	.284	.090	8.840			140.00	30.50	13.40		516.
75	6	24	1015	2980.	.362	.118	8.570	.125		159.00	20.40	17.00		542.
75	6	25	1015	5580.	.357	.143	8.370	.025		192.00	20.50	14.90		559.
75	6	26	1015	7360.	.348	.137	7.950	.035		190.00	20.60	16.50		574.
75	6	27	1015	9210.	.390	.142	6.460	.080		218.00	20.90	16.40		597.
75	6	28	1015	7810.	.585	.155	5.550	.090		338.00	20.20	12.20		486.
75	6	29	1015	5380.	.470	.155	5.310	.055		309.00	20.70	13.30		523.
75	6	30	1015	3660.	.470	.115	4.780	.025		319.00	20.10	14.40		484.
75	7	1	415	2890.	.461	.120	4.730	.020		243.00	20.20	13.70		483.
75	7	1	1315	2620.	.372	.138	5.000	.115		247.00	32.00	12.30		464.
75	7	2	1315	2080.	.352	.145	4.980	.145		202.00	31.00	14.80		470.
75	7	3	1315	1660.	.312	.148	4.980	.242		146.00	31.00	16.20		478.
75	7	4	1315	2510.	.328	.152	5.010	.210		159.00	30.50	14.90		471.
75	7	5	1315	4420.	.344	.150	5.210	.137		194.00	37.00	13.50		525.
75	7	6	1315	3480.	.316	.140	5.830	.080		162.00	33.00	15.20		526.
75	7	7	1315	3360.	.328	.140	4.530	.055		153.00	34.00	16.60		533.
75	7	8	715	3150.	.280	.238	4.920	.165		230.00	12.00	13.00		518.
75	7	8	1400	2980.	.505					274.00	30.00			470.
75	7	9	1400	2230.	.520					289.00	27.00			424.
75	7	10	1400	2080.	.364					231.00	30.00			448.
75	7	11	1400	1520.	.376					243.00	28.00			446.
75	7	12	1400	1150.	.372					243.00	31.00			443.
75	7	13	1400	1390.	.344					213.00	32.00			453.
75	7	14	1400	1320.	.344					217.00	33.00			466.
75	7	15	800	1010.	.320					183.00				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION V/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	7 15	1500	.306	.110	4.110	.068				178.00	38.30	6.70		514.
75	7 16	300	.272	.075	4.080	.142				131.00	43.00	7.00		538.
75	7 16	1500	.280	.100	4.280	.076				151.00	44.00	7.20		543.
75	7 17	300	.268	.100	4.250	.161				127.00	43.50	7.10		542.
75	7 17	1500	.300	.110	3.850	.260				124.00	43.00	7.10		548.
75	7 18	300	.252	.087	3.460	.193				104.00	46.00	7.00		555.
75	7 18	1500	.308	.085	3.250	.167				162.00	44.00	7.00		565.
75	7 19	300	.288	.075	2.850	.177				162.00	42.80	6.70		515.
75	7 19	1500	.645	.070	2.300	.143				425.00	37.60	6.10		461.
75	7 20	300	.372	.065	2.500	.118				259.00	37.90	7.10		487.
75	7 20	1500	.360	.100	2.680	.111				253.00	42.00	7.40		529.
75	7 21	300	.360	.110	2.820	.106				239.00	47.00	6.40		551.
75	7 21	1500	.372	.045	2.570	.031				239.00	52.00	5.80		581.
75	7 22	300	.380	.040	2.510	.040				232.00	48.00	5.70		549.
75	7 22	900	.530	.040	2.270	.083				308.00		5.30		399.
75	7 22	1445	.510	.107	.760	.300				216.00	30.00	7.35		371.
75	7 23	1445	.340	.071	2.680	.080				228.00	30.00	7.10		381.
75	7 24	1445	.510	.065	2.800	.220				277.00	32.00	7.12		383.
75	7 25	1445	.340	.075	2.640	.170				212.00	35.00	7.05		409.
75	7 26	1445	.360	.035	2.520	.105				208.00	38.00	7.45		436.
75	7 27	1445	.392	.075	2.240	.076				193.00	42.00	8.30		451.
75	7 28	1445	.328	.055	2.020	.055				183.00	43.00	7.96		480.
75	7 29	845	.240	.010	1.900	.190				136.00		7.40		498.
75	7 29	1445	.276	.127	2.180	.067				139.00	26.50	6.96		515.
75	7 30	1445	.256	.124	1.860	.201				113.00	28.00	6.40		536.
75	7 31	1445	.224	.105	1.770	.268				83.60	29.00	6.28		545.
75	8 1	1445	.204	.091	1.620	.224				66.70	32.00	6.46		554.
75	8 2	1445	.184	.080	1.520	.220				83.80	32.00	5.61		541.
75	8 3	1445	.224	.084	1.480	.162				68.80	34.00	5.60		524.
75	8 4	1445	.250	.060	1.560	.040				99.10	34.50	5.53		539.
75	8 5	845	.228	.115	1.730	.090				81.70	45.00	6.48		513.
75	8 5	1500	.304	.137	2.480	.115				119.00	52.00	6.22		509.
75	8 6	1500	.291	.106	1.800	.303				137.00	50.00	6.84		541.
75	8 7	1500	.302	.083	1.530	.205				141.00	52.00	4.72		541.
75	8 8	1500	.283	.082	1.490	.137				118.00	53.00	6.12		
75	8 9	1500	.280	.061	1.360	.083								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	8 10 1500	780.	.259	.058	1.130	.064				101.00	53.00	6.55		536.
75	8 11 1500	750.	.306	.054	.055	.010				90.50	56.00	6.37		547.
75	8 12 900	640.	.236	.099	.050	.127				76.20	58.00	5.66		568.
75	9 2 1015	3870.		.132	1.940	.271				190.00	35.00	16.20		436.
75	9 3 1015	2950.		.142	2.150	.106				193.00	20.00	18.00		456.
75	9 4 1015	2510.		.136	2.190	.081				161.00	19.50	18.60		499.
75	9 5 1015	2510.		.129	2.100					177.00	16.00	17.40		452.
75	9 6 1100	6010.	.360	.167	1.950	.223						11.00		
75	9 6 1700	7280.	.490	.132	1.960	.154						11.60		
75	9 6 2300	7850.	.490	.148	2.230	.217						12.20		
75	9 7 500	8560.	.510	.136	2.210	.160						11.80		
75	9 7 1100	8560.	.450	.160	2.180	.240						12.10		
75	9 7 1700	8310.	.470	.143	2.070	.189						10.80		
75	9 7 2300	7320.	.470	.157	2.040	.254						11.60		
75	9 8 500	6770.	.450	.154	2.060	.237						12.00		
75	9 8 1100	6160.	.510	.156	2.030	.194						11.80		
75	9 8 1700	5680.	.580	.160	1.940	.243						13.00		
75	9 8 2300	4920.	.490	.186	1.910	.219						11.60		
75	9 9 500	4450.	.360	.182	1.620	.290						12.10		
75	9 9 1100	3940.	.360	.178	1.880	.194						11.90		
75	9 9 1700	3690.	.360	.188	1.940	.252						11.90		
75	9 9 2300	3360.	.350	.172	1.910	.192						12.10		
75	9 10 500	3040.	.380	.192	1.840	.238						11.10		
75	9 10 1100	2750.	.420	.160	1.840	.138						12.00		
75	9 10 1700	2670.	.490	.179	1.820	.214						10.80		
75	9 10 2300	2440.	.430	.162	1.830	.105						11.60		
75	9 11 500	2230.	.460	.181	1.830	.203						11.50		
75	9 11 1100	2100.	.520	.166	1.890	.100						11.90		
75	9 11 1700	2020.	.550	.176	2.000	.201						12.20		
75	9 11 2300	2020.	.580	.151	2.040	.054						11.70		
75	9 12 500	2000.	.450	.187	2.090	.168						12.40		
75	9 12 1100	3180.	.500	.168	2.150	.079						12.50		
75	9 12 1700	4890.	.520	.182	2.160	.169						11.80		
75	9 12 2300	5620.	.580	.144	2.090	.073						10.90		
75	9 13 500	5620.	.560	.157	2.080	.167						11.40		
75	9 15 1000	4350.	.530	.146	1.810	.109				113.00	23.00	8.49		523.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW	TOTAL	ORTH	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR	MO	DAY	PHOS.	PHOS.	MG/L	MG/L	MG/L	KJELD	MG/L	MG/L	MG/L	MG/L	MG/L	25C.
			MG/L	MG/L										UMHO
75	9	16	1000	2950.	.375	.189	1.960	.111		98.20	22.00	8.87		469.
75	9	17	1000	2180.	.380	.171	2.120	.169		100.00	23.50	8.28		497.
75	9	18	1000	1780.	.430	.192	2.110	.703		84.60	34.00	8.06		575.
75	9	19	1000	1590.	.400	.182	2.010	.109		84.90	22.00	8.99		512.
75	9	20	1000	1730.	.360	.149	1.890	.119		96.00	22.00	7.91		511.
75	9	21	1000	1760.	.390	.139	1.950	.023		79.00	22.00	7.90		527.
75	9	22	400	1780.	.360	.169	2.110	.216		69.60	10.00	8.34		558.
75	9	22	1130	1880.	.500	.166	2.130	.099		67.80		10.80		
75	9	23	1130	1850.	.560	.157	2.130	.103		88.80		11.80		
75	9	24	1130	1320.	.650	.154	2.060	.108		142.00		11.10		
75	9	25	1130	1480.	.470	.161	2.110	.062		74.10		10.50		
75	9	26	1130	1230.	.520	.158	2.130	.067		78.70		11.90		
75	9	27	1130	1110.	.470	.171	2.040	.031		56.80		10.70		
75	9	28	1130	870.	.440	.139	2.040	.047		64.30		11.60		
75	9	29	530	820.	.400	.178	1.990	.076		57.90		12.40		
75	9	29	1015	800.	.360	.211	1.430	.142		59.10		9.96		574.
75	9	30	1015	770.	.340	.213	1.960	.099		57.70		9.89		574.
75	10	1	1015	620.	.330	.220	1.910	.088		53.90		9.70		581.
75	10	2	1015	620.	.340	.195	1.900	.048		57.40		10.60		576.
75	10	3	1015	600.	.330	.216	1.880	.067		51.80		10.20		573.
75	10	4	1015	550.	.320	.227	1.840	.026		58.40		9.70		574.
75	10	5	1015	530.	.340	.210	1.730	.040		62.50		8.74		575.
75	10	6	415	590.	.340	.204	1.740	.055		93.30		9.01		577.
75	10	6	1030	570.	.286	.141	1.710	.151		53.70		11.00		596.
75	10	7	1030	440.	.295	.138	1.760	.103		53.20		10.70		598.
75	10	8	1030	510.	.290	.117	1.580	.118		49.10		9.82		618.
75	10	9	1030	740.	.278	.104	1.480	.111		57.00		8.69		611.
75	10	10	1030	700.	.289	.120	1.670	.102		45.90		9.16		629.
75	10	11	1030	700.	.263	.112	1.590	.054		42.30		11.40		644.
75	10	12	1030	770.	.278	.076	1.310	.034		50.60		8.45		665.
75	10	13	430	670.	.288	.070	1.250	.033		60.90		7.67		662.
75	10	13	1030	670.	.238	.061	1.190	.372		63.20		8.56		650.
75	10	13	1630	750.	.194	.035	.930	.289		67.40		6.38		637.
75	10	13	2230	830.	.232	.033	.960	.323		76.80		7.86		642.
75	10	14	430	690.	.232	.021	.940	.295		61.90		6.67		643.
75	10	14	1030	630.	.166	.023	1.110	.121		53.60		6.27		623.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2	NH-3	ORG. NIT.	TOTAL NIT.	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND
YR MO DY	MRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
75 10 14	1630	670.	.218	.012	.690	.292				72.70	57.00	5.16		625.
75 10 14	2230	750.	.279	.039	.760	.331				103.00	43.00	4.83		644.
75 10 15	430	600.	.219	.001	.680	.212				82.00	60.00	4.68		625.
75 10 15	1030	560.	.186	.013	.690	.252				74.50	60.00	5.45		629.
75 10 15	1630	600.	.207	.016	.570	.220				78.10	56.00	4.81		614.
75 10 15	2230	630.	.217	.003	.710	.200				73.90	56.00	4.76		626.
75 10 16	430	590.	.203	.009	.580	.221				70.90	60.00	4.61		630.
75 10 16	1030	480.	.225	.045	.530	.295				68.00	53.00	4.89		634.
75 10 16	1630	460.	.226	.008	.480	.183				77.70	56.00	4.18		630.
75 10 16	2230	490.	.301	.008	.450	.337				105.00	54.00	3.56		628.
75 10 17	430	510.	.231	.009	.380	.235				88.80	54.00	3.18		623.
75 10 17	1030	480.	.208	.009	.350	.257				106.00	62.00	2.86		450.
75 10 17	1630	430.	.281		.320	.170				112.00	58.00	2.66		523.
75 10 17	2230	370.	.281	.006	.360	.202				109.00	54.00	2.75		624.
75 10 18	430	520.	.267	.004	.300	.257				99.40	62.00	1.99		586.
75 10 18	1030	590.	.278	.001	.330	.301				85.50	56.00	1.81		622.
75 10 18	1630	700.	.274	.016	.450	.176				82.40	58.00	3.05		631.
75 10 18	2230	750.	.225	.001	.630	.223				61.00	50.00	3.97		652.
75 10 19	430	850.	.281	.024	.730	.168				71.20	50.00	4.68		648.
75 10 19	1030	1920.	.297	.010	1.620	.149				66.80	52.00	5.08		658.
75 10 19	1630	2280.	.349	.015	2.360	.114				113.00	56.00	6.09		685.
75 10 19	2230	2950.	.250	.030	2.800	.180				78.80	58.00	7.26		721.
75 10 20	430	3870.	.272	.060	3.280	.144				56.80	54.00	8.96		718.
75 10 20	1030	4750.	.280	.087	4.280	.228				95.20	43.00	10.80		744.
75 10 21	1030	5760.	.300	.093	3.000	.183				110.00	42.00	8.58		788.
75 10 22	1030	4820.	.290	.085	2.310	.284				107.00	47.00	11.90		804.
75 10 23	1130	3660.	.330	.103	3.050	.214				105.00	58.00	6.19		903.
75 10 24	1030	2730.	.480	.184	3.330	.365				89.20	66.00	6.19		975.
75 10 25	1030	2590.	.440	.157	3.160	.330				93.20	52.00	7.13		854.
75 10 26	1030	1830.	.380	.138	3.330	.416				83.10	50.00	9.39		817.
75 10 27	430	1710.	.340	.144	3.230	.287				86.70	60.00	9.78		725.
75 10 27	1030	1710.	.375	.141	3.240	.430				75.60	60.00	8.09		728.
75 10 28	1030	1390.	.352	.129	3.310	.230				68.60	60.00	9.25		694.
75 10 29	1030	1170.	.352	.137	3.430	.221				72.30	62.00	7.07		650.
75 10 30	1030	1070.	.328	.117	3.860	.202				54.80	57.00	9.20		620.
75 10 31	1030	970.	.285	.119	4.110	.159				42.90	58.00	8.23		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	2400	CFS	PHOS.	PHOS.	NO-3	MG/L	MG/L	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	25C.
	MRS.		MG/L	MG/L	MG/L					MG/L	MG/L			UMHO
75 11 1	1030	960.	.299	.102	4.180	.120				50.10	58.00	7.83		617.
75 11 2	1030	820.	.312	.106	4.250	.078				63.30	56.00	7.37		615.
75 11 3	430	830.	.330	.112	4.240	.102				65.80	55.00	7.78		623.
75 11 3	1030	800.	.312	.148	4.580	.134				79.90	66.00	9.41		634.
75 11 4	1030	3240.	.317	.142	4.310	.099				86.10	70.00	9.27		665.
75 11 5	1030	1210.	.325	.143	4.110	.057				87.00	74.00	9.98		663.
75 11 6	1030	830.	.315	.130	3.840	.083				69.60	78.00	8.51		667.
75 11 7	1030	900.	.319	.128	3.520	.113				87.10	80.00	8.68		675.
75 11 8	1030	900.	.311	.115	3.200	.073				97.50	82.00	7.81		685.
75 11 9	1030	800.	.310	.101	3.020	.054				82.90	82.00	8.11		685.
75 11 10	430	1340.	.318	.107	2.680	.052				76.00	84.00	6.59		695.
75 11 10	1315	2980.		.074	2.580	.047				68.00	68.00	5.58		706.
75 11 11	1315	1520.	.295	.073	2.540	.085				78.80	68.00	5.61		726.
75 11 11	1315	2280.	.252	.042	2.380	.082				72.20	67.00	4.64		736.
75 11 13	1315	2100.	.221	.059	2.520	.090				55.20	68.00	5.28		749.
75 11 14	1315	1980.	.248	.027	1.990	.064				51.40	69.00	3.82		765.
75 11 15	1315	1780.	.220	.025	1.630	.079				48.70	70.00	4.40		789.
75 11 16	1315	1710.	.188	.006	1.610	.085				36.80	70.00	4.41		801.
75 11 17	715	1520.	.195	.084	1.650	.110				36.10	62.00	5.76		792.
75 11 24	1530	992.		.100	1.990	.112				28.90	66.00	5.84		724.
75 11 25	1530	1170.		.199	1.900	.103				27.40	63.00	7.47		714.
75 11 26	1530	885.		.192	2.120	.289				21.10	63.00	7.24		742.
75 11 27	1530	1452.		.316	2.180	.447				12.10	59.00	7.15		762.
75 11 28	1530	956.		.320	2.300	.518				11.90	61.00	7.28		769.
75 11 29	1530	1170.		.079	1.610	.078				20.50	62.00	7.10		769.
75 11 30	1530	7810.		.125	3.690	.094				85.90	55.00	6.27		732.
75 12 1	930	11500.		.111	3.990	.101				74.70	56.00	6.77		742.
75 12 1	1600	12550.		.060	4.900	.010				70.30	51.00			706.
75 12 2	1600	13450.	.437	.135	5.300					140.00	46.00			589.
75 12 3	1600	9872.	.435	.150	5.100					129.00	52.00			638.
75 12 4	1600	7360.	.395	.195	5.400	.040				79.60	49.00			612.
75 12 5	1600	6306.	.401	.185	6.200	.040				56.60	47.00			574.
75 12 6	1600	5860.	.401	.240	6.700	.040				65.50	45.00			569.
75 12 7	1600	8607.	.281	.135	6.800	.010				44.50	45.00			621.
75 12 8	1000	8607.	.263	.135	6.600	.030				41.70	44.00			625.
75 12 8	1330	7892.	.260		5.500	.180				36.30	38.00			629.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	12	9	1330	6727.										
75	12	10	1330	5615.										
75	12	11	1330	4696.										
75	12	12	1330	4064.										
75	12	13	1330	3904.										
75	12	14	1330	4032.										
75	12	14	1930	4096.										
75	12	15	130	4096.										
75	12	15	730	6119.										
75	12	15	1030	8349.										
75	12	15	1630	16650.										
75	12	15	2230	23380.										
75	12	16	430	29580.										
75	12	16	1030	30840.										
75	12	16	1630	32040.										
75	12	16	2230	32360.										
75	12	17	430	31400.										
75	12	17	1030	29900.										
75	12	17	1630	27540.										
75	12	18	430	23440.										
75	12	18	1030	21480.										
75	12	18	1630	19720.										
75	12	18	2230	15150.										
75	12	19	430	14000.										
75	12	19	1030	13050.										
75	12	19	1630	12300.										
75	12	19	2230	11180.										
75	12	20	430	10260.										
75	12	20	1030	9820.										
75	12	20	1630	9080.										
75	12	21	430	7810.										
75	12	21	1030	7200.										
75	12	21	1630	7160.										
75	12	21	2230	6600.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 12 22	430	6688.	.421	.100	6.100	.100				107.00	32.00			547.
76 1 5	1115	7050.	.252	.160	4.200	.490				33.40	45.00			690.
76 1 6	1115	4000.	.256	.170	4.200	.460				25.90	46.00			705.
76 1 7	1115	3720.	.219	.140	4.300	.360				21.30	41.00			600.
76 1 8	1115	2900.	.215	.140	4.500	.320				21.50	41.00			678.
76 1 9	1115	2120.	.225	.150	4.600	.320				23.40	40.00			672.
76 1 10	1115	2200.	.220	.140	4.700	.300				19.00	41.00			689.
76 1 11	1115	2260.	.218	.140	4.700	.320				18.40	43.00			783.
76 1 12	1015	2000.	.210	.150	4.700	.370				15.60	43.00		1.15	661.
76 1 12	1115	2000.	.217	.140	4.600	.330				17.30	43.00			705.
76 1 13	1015	1900.	.161	.160	4.700	.400				17.20	43.00		1.19	692.
76 1 14	1015	2000.	.150	.170	4.500	.470				38.80	46.00		1.39	698.
76 1 15	1015	2400.	.150	.180	4.500	.500				14.60	45.00		1.36	721.
76 1 16	1015	3000.	.165	.160	4.700	.460				12.90	42.00		1.21	680.
76 1 17	1015	3600.	.163	.150	4.400	.440				13.80	43.00		1.19	706.
76 1 18	1015	3000.	.186	.150	5.200	.430				10.20	44.00		1.31	750.
76 1 19	415	2400.	.193	.210	4.900	.210			.24	10.20	50.00		1.72	777.
76 1 19	1010	2400.	.297	.220	4.500	1.000			.21	5.10	51.00			800.
76 1 20	1010	2710.	.284	.190	3.600	.950			.21	5.60	49.00			707.
76 1 21	1010	2340.	.266	.180	3.500	.760			.21	9.80	47.00			682.
76 1 22	1010	1800.	.249	.170	3.300	.730			.19	7.00	52.00			687.
76 1 23	1010	1700.	.243	.170	3.200	.720			.20	5.90	52.00			716.
76 1 24	1010	1860.	.237	.170	3.200	.690			.19	5.20	55.00			743.
76 1 25	1010	1810.	.249	.180	3.100	.710			.20	6.20	54.00			735.
76 1 25	1010	1700.	.257	.190	3.000	.700			.21	5.20	56.00			732.
76 1 26	410	1810.	.254	.180	3.000	.680			.20	6.40	58.00			723.
76 1 26	1015	2320.	.251	.170	2.500	.570				31.40	45.00			573.
76 1 26	1615	3080.	.251	.170	2.500	.540				26.80	46.00			551.
76 1 26	2215	4650.	.195	.170	2.200	.520				27.70	44.00			466.
76 1 27	415	7680.	.230	.160	2.200	.460				21.50	42.00			498.
76 1 27	1015	10700.	.243	.170	2.400	.510				34.00	34.00			435.
76 1 27	1615	9350.	.282	.160	2.300	.510				45.90	34.00			457.
76 1 27	2215	13600.	.269	.160	2.400	.500				25.10	35.00			469.
76 1 28	415	16380.	.263	.150	2.400	.530				28.90	33.00			493.
76 1 28	1015	18140.	.278	.160	2.600	.660				31.30	36.00			523.
76 1 28	1615	14620.	.325	.180	2.800	.960				55.60	40.00			602.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 84193498

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	1 28	2215	16020.	.346	.170	2.488	.818	2.488	50.70	34.00	34.00			479.
76	1 29	415	16980.	.413	.168	2.100	.900	2.100	89.68	33.00	33.00			438.
76	1 29	1815	16740.	.429	.150	2.280	.500	2.280		31.00	31.00			393.
76	1 29	1615	15780.	.514	.150	2.000	.640	2.000		29.00	29.00			377.
76	1 29	2215	15250.	.441	.128	2.200	.418	2.200		29.00	29.00			374.
76	1 30	415	15450.	.444	.140	2.100	.590	2.100		38.00	38.00			385.
76	1 30	1815	14180.	.408	.130	2.280	.490	2.280		32.00	32.00			405.
76	1 30	1615	12900.	.463	.140	2.280	.560	2.280		32.00	32.00			408.
76	1 30	2215	12280.	.351	.120	2.380	.340	2.380		29.00	29.00			396.
76	1 31	415	12650.	.354	.140	2.200	.520	2.200		28.00	28.00			389.
76	1 31	1815	11300.	.387	.130	2.280	.460	2.280		27.00	27.00			375.
76	1 31	1615	8770.	.406	.148	2.280	.480	2.280		26.00	26.00			373.
76	1 31	2215	9170.	.332	.120	2.380	.400	2.380		26.00	26.00			373.
76	2 1	415	9170.	.322	.130	2.380	.518	2.380		26.00	26.00			382.
76	2 1	1815	7760.	.259	.138	2.380	.420	2.380		25.00	25.00			385.
76	2 1	1615	6630.	.303	.130	2.380	.440	2.380		25.00	25.00			394.
76	2 1	2215	8090.	.259	.148	2.480	.418	2.480		26.00	26.00			390.
76	2 2	415	8380.	.263	.140	2.580	.958	2.580		26.00	26.00			408.
76	2 2	1700	5790.	.254	.120	2.780	.460	2.780		25.00	25.00			421.
76	2 2	2308	6080.	.209	.130	2.880	.470	2.880	28.90	25.00	25.00			429.
76	2 3	500	3600.	.214	.130	2.880	.470	2.880	17.40	25.00	25.00			434.
76	2 3	1100	3600.	.204	.120	2.600	.550	2.600	14.30	26.00	26.00			449.
76	2 4	1100	2800.	.193	.120	2.780	.490	2.780	19.80	26.00	26.00			473.
76	2 5	1100	2200.	.204	.130	2.600	.800	2.600	9.60	28.00	28.00			490.
76	2 6	1100	1600.	.218	.140	2.600	.530	2.600	10.00	29.00	29.00			501.
76	2 7	1100	1200.	.216	.150	2.600	.530	2.600	7.80	29.00	29.00			505.
76	2 8	1100	1100.	.218	.150	2.600	.540	2.600	7.30	30.00	30.00			522.
76	2 9	500	1040.	.228	.168	2.600	.550	2.600	8.90	30.00	30.00			524.
76	2 9	1800	1350.	.229		1.700	.320	1.700	7.90	64.00	64.00	1.15		552.
76	2 9	1600	1410.	.209		1.700	.330	1.700	11.60	60.00	60.00			566.
76	2 9	2200	1390.	.222		1.800	.330	1.800	18.90	58.00	58.00			567.
76	2 10	400	1410.	.177		1.800	.330	1.800	12.90	61.00	61.00	1.05		568.
76	2 10	1000	1410.	.180		1.800	.330	1.800	9.10	62.00	62.00			584.
76	2 10	1600	1550.	.215		1.900	.360	1.900	8.70	65.00	65.00			586.
76	2 10	2200	2220.	.408	.260	1.700	.340	1.700	17.60	57.00	57.00			536.
76	2 11	400	4380.	.247	.288	1.100	.310	1.100	84.10	55.00	55.00			421.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 84193490

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO AIDE	SI02	IRON	COND 25C.
YR	MO	DAY	MRS.	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
76	2	11	1000	6740.	.317	.180	.260	1.380	.260	53.50	50.00		1.57	376.
76	2	11	1600	10580.	.305	.180	.290	1.300	.290	88.50	95.00			384.
76	2	11	2200	17960.	.331	.180	.250	1.200	.250	95.10	47.00			361.
76	2	12	400	20020.	.395	.170	.270	1.500	.270	97.50	64.00			381.
76	2	12	1000	21280.	.482	.198	.270	1.500	.270	153.00	65.00		1.43	415.
76	2	12	2200	26010.	.491	.200	.250	1.200	.250	195.00	59.00			391.
76	2	13	400	29920.	.533	.170	.210	1.300	.210	267.00	76.00			332.
76	2	13	1000	29680.	.685	.160	.210	1.300	.210	456.00	57.00		1.99	330.
76	2	13	1600	30560.	.713	.170	.220	1.200	.220	606.00	55.00			330.
76	2	13	2200	39000.	.854	.170	.220	.900	.220	579.00	36.00			333.
76	2	14	400	59400.	.727	.170	.200	.800	.200	930.00	50.00			324.
76	2	14	1000	49360.	.834	.180	.190	.400	.190	1231.00	47.00		3.96	329.
76	2	14	1600	48190.	.893	.200	.190	.800	.190	503.00	51.00			319.
76	2	14	2200	46390.	.873	.210	.180	.600	.180	610.00	42.00			321.
76	2	15	1000	41900.	.531	.240	.170	.700	.170	434.00	41.00		2.05	312.
76	2	15	400	43700.	.892	.230	.170	.800	.170	540.00	44.00			313.
76	2	15	1600	42440.	.825	.240	.170	.800	.170	536.00	43.00			318.
76	2	15	2200	47110.	.570	.250	.170	.800	.170	523.00	37.00			324.
76	2	16	400	46840.	.584	.260	.170	.900	.170	571.00	39.00		2.96	330.
76	2	16	1000	44680.	.832	.070	.360	2.800	.360	446.00	19.00			347.
76	2	16	1600	44420.	.753	.100	.330	3.100	.330	422.00	20.00			356.
76	2	16	2200	51800.	.902	.100	.260	3.200	.260	647.00	20.00			352.
76	2	17	400	59600.	1.020	.110	1.000	3.100	.500	766.00	18.00			337.
76	2	17	1000	63400.	.943	.110	.500	3.000	.250	581.00	17.00			318.
76	2	17	1600	64800.	1.100	.080	.250	3.300	.250	762.00	17.00			319.
76	2	17	2200	64200.	.977	.080	.250	3.600	.250	734.00	17.00			320.
76	2	18	400	65200.	.925	.080	.260	3.800	.260	719.00	18.00			318.
76	2	18	1000	66800.	.959	.090	.260	4.000	.260	659.00	18.00			324.
76	2	18	2200	69320.	1.140	.090	.650	4.200	.650	837.00	19.00			339.
76	2	19	400	69320.	.981	.070	.170	4.300	.170	694.00	19.00			338.
76	2	19	1000	69440.	.941	.070	.260	4.400	.260	671.00	19.00			338.
76	2	19	1600	68120.	.907	.070	.220	4.500	.220	581.00	19.00			337.
76	2	19	2200	66500.	.897	.070	.220	4.600	.220	595.00	19.00			340.
76	2	20	400	64000.	.824	.070	.210	4.600	.210	520.00	19.00			341.
76	2	20	1000	64500.	.792	.070	.200	4.600	.200	461.00	20.00			341.
76	2	20	1600	64500.	.727	.080	.560	4.500	.560	321.00	19.00			346.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUNEE RIVER

STREAM : MAUNEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO USGS NO. 84193498

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	2 28	2200 64500.	.710	.080	4.700	.210				397.00	20.00			350.
76	2 21	400 64000.	.697	.080	4.700	.200				352.00	21.00			359.
76	2 21	1000 64000.	.580	.070	4.600	.200				314.00	21.00			369.
76	2 21	1600 64000.	.593	.080	4.700	.180				314.00	21.00			378.
76	2 21	2200 64000.	.568	.090	4.800	.170				281.00	22.00			391.
76	2 22	400 66000.	.566	.090	4.700	.160				196.00	22.00			397.
76	2 22	1000 66000.	.514	.070	4.900	.130				268.00	23.00			399.
76	2 22	1600 66000.	.508	.080	4.900	.130				252.00	22.00			395.
76	2 22	2200 66000.	.512	.070	4.900	.140				274.00	22.00			399.
76	2 23	400 68000.	.486	.070	4.800	.130				249.00	22.00			397.
76	2 23	1005 68000.	.433	.070	5.000	.140				284.00	22.00			405.
76	2 23	1005 68000.	.420	.070	5.000	.130				198.00	23.00			404.
76	2 23	1005 68000.	.475	.060						238.00				416.
76	2 24	1005 62000.	.462	.060						231.00				426.
76	2 25	1005 44000.	.403	.060						175.00				434.
76	2 26	1005 28000.	.355	.070						140.00				450.
76	2 27	1005 18000.	.355	.080						130.00				479.
76	2 28	1005 14000.	.293	.070						110.00				505.
76	2 29	1005 11000.	.292	.070						106.00				516.
76	3 1	405 9000.	.288	.100						60.00				527.
76	3 1	1010 9000.	.265							64.00				527.
76	3 2	1010 9000.	.225							16.40				530.
76	3 2	2210 10300.	.243							84.70				560.
76	3 3	410 10900.	.255		.300					93.70	1.00			562.
76	3 3	1010 11450.	.235		.200					69.10	5.00			565.
76	3 3	1610 12550.	.266		.200					105.00	10.00			572.
76	3 3	2210 13850.	.724		.400					605.00	11.00			521.
76	3 4	410 17000.	.951		.500					720.00	6.00			475.
76	3 4	1010 23200.	.840		.500					656.00	12.00			429.
76	3 4	1610 30770.	.901		.500					632.00	5.00			431.
76	3 4	1610 30780.	1.060		.500					771.00	5.00			390.
76	3 4	2210 38040.	.900		.500					604.00	5.00			438.
76	3 5	1010 45900.	.925		.500					663.00	8.00			417.
76	3 5	2210 50440.	1.020		.500					778.00	7.00			380.
76	3 6	410 51900.	1.040		.600					790.00	9.00			382.
76	3 6	1010 52600.	.925		.600					686.00	13.00			368.

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM

MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING TIME			FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	MO-2 MO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
DATE	TIME	DAY													
YR	MO	DY	HRS.												
76	3	6	1610	51780.	.894						625.00	9.00			361.
76	3	6	2210	50620.	.862	.600					560.00	6.00			364.
76	3	7	410	49630.	.839	.500					492.00	40.00			364.
76	3	7	1010	46570.	.742	.600					438.00	14.00			364.
76	3	7	1610	44100.	.720	.500					355.00	13.00			365.
76	3	7	2210	40030.	.702	.500					353.00	5.00			370.
76	3	8	410	36520.	.697	.700					379.00	11.00			377.
76	3	8	950	33480.	.639	4.100	.080				248.00	23.00			377.
76	3	9	950	24990.	.439	3.900	.100				121.00	23.00			396.
76	3	10	950	19420.	.357	3.700	.100				88.60	24.00			417.
76	3	11	950	14560.	.324	3.700	.100				119.00	25.00			445.
76	3	12	950	11250.	.275	3.600	.150				110.00	27.00			472.
76	3	13	950	9480.	.266	3.500	.100				114.00	27.00			491.
76	3	14	950	8300.	.239	3.400	.120				98.30	28.00			524.
76	3	15	350	6780.	.209	3.400	.140				37.90	30.00			534.
76	3	15	1000	6780.	.239	3.300	.190				66.80	25.00			547.
76	3	16	1000	6190.	.203	3.300	.190				60.50	26.00			556.
76	3	17	1000	5220.	.209	3.100	.190				57.70	27.00			575.
76	3	18	1000	4820.	.196	3.200	.230				47.40	28.00			585.
76	3	19	1000	4650.	.170	3.300	.250				40.50	29.00			597.
76	3	20	1000	4300.	.186	3.100	.210				51.70	29.00			610.
76	3	21	1000	4550.	.240	3.200	.260				57.60	30.00			634.
76	3	22	410	4720.	.221	3.100	.250				14.50	31.00			635.
76	3	22	1035	4750.	.268	3.100	.330				70.10	32.00			645.
76	3	23	1035	5440.	.228	3.000	.230				57.60	33.00			654.
76	3	24	1035	5090.	.233	3.000	.350				55.90	35.00			676.
76	3	25	1035	3930.	.209	3.200	.300				83.30	35.00			679.
76	3	26	1035	4230.	.234	3.100	.180				67.70	35.00			660.
76	3	27	1035	4260.	.202	3.000	.180				83.40	35.00			675.
76	3	28	1035	3840.	.295	2.800	.380				55.20	33.00			658.
76	3	29	435	4990.	.244	2.900	.270				49.90	32.00			625.
76	3	29	1000	5120.	.320	3.200	.150				59.60	31.00			653.
76	3	30	1000	5090.	.208	2.500	.540				55.20	33.00			666.
76	3	31	1000	4260.	.194	3.000	.050				45.60	32.00			660.
76	4	1	1000	3930.	.197	2.800	.050				42.40	33.00			653.
76	4	2	1000	3480.	.175	2.750	.050								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C.
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
76	4	3	1000	3540.	.179	.050				36.00	32.00			663.
76	4	4	1000	3230.	.179	.050				42.20	32.00			660.
76	4	5	400	3200.	.168	.050				34.80	33.00			655.
76	4	5	945	3140.	.177	.050				12.90	33.00			646.
76	4	6	945	2000.	.173	.050				34.70	33.00			655.
76	4	7	945	2630.	.182	.040				40.40	32.00			651.
76	4	8	945	2390.	.197	.030				49.10	33.00			655.
76	4	9	945	2290.	.155	.010				29.10	33.00			654.
76	4	10	945	1950.	.158					43.40	33.00			654.
76	4	11	945	1460.	.178	1.500	.070			56.60	34.00			643.
76	4	12	930	1600.	.190	1.500	.470			40.00	35.00			641.
76	4	13	930	1370.	.164	1.300	.380			39.60	36.00			637.
76	4	14	930	1390.	.175	.020	.460			40.60	36.00			628.
76	4	15	930	1330.	.236	.030	.330			51.00	34.00			627.
76	4	16	930	1200.	.186	.020	.390			43.30	33.00			609.
76	4	17	930	1260.	.213	.010	.290			56.80	33.00			610.
76	4	18	930	1490.	.205	.010	.180			54.70	33.00			614.
76	4	19	930	1500.	.173	.030	.150			41.80	34.00			625.
76	4	19	945	1500.	.142	.020	.300			36.20	37.00			603.
76	4	20	945	1330.	.192	.050	.220			59.30	37.00			606.
76	4	21	945	1800.	.187	.020	.200			69.30	37.00			601.
76	4	22	945	2000.	.179	.030	.100			64.30	36.00			601.
76	4	23	945	1500.	.151	.040	.050			53.90	36.00			604.
76	4	24	945	1810.	.163	.030	.040			66.20	35.00			605.
76	4	25	945	3140.	.179	.020	1.340			84.90	34.00			604.
76	4	26	945	6400.	.220	.050	.320			93.30	35.00			623.
76	4	26	1000	8010.	.083	.070	.180			56.40	38.00			758.
76	4	27	1000	11050.	.117	.070	.100			72.20	38.00			769.
76	4	28	1000	8220.	.115	.080	.030			99.90	39.00			754.
76	4	29	1000	6700.	.152	.100	.110			120.00	42.00			765.
76	4	30	1000	5330.	.182	.080	.120			78.00	36.00			752.
76	5	1	1000	4390.	.162	.070	.140			104.00	36.00			744.
76	5	2	1000	3960.	.291	.070	.170			79.40	36.00			756.
76	5	3	400	3020.	.189	.050	.250			99.90	38.00			751.
76	5	3	950	3200.	.354	.060	.110			102.00	43.00			666.
76	5	4	950	2320.	.255	.060	.070			59.70	42.00			652.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

56

MAJON RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	5	5	950	2360.	.294	.040	5.900	.150		64.60	40.00			657.
76	5	6	950	1720.	.301	.013	5.500	.430		102.00	40.00			664.
76	5	7	950	2630.	.187	.020	5.500	.130		53.00	40.00			646.
76	5	8	950	4300.	.223	.030	5.000	.100		62.70	41.00			677.
76	5	9	950	6560.	.263	.010	6.000	.050		82.80	39.00			660.
76	5	10	955	5330.	.422	.150	5.500	.080		82.60	39.00			689.
76	5	11	955	4390.	.280	.110	4.600	.060		74.10	40.00			687.
76	5	12	955	3810.	.252	.080	3.900	.090		84.40	44.00			701.
76	5	13	955	3200.	.368	.100	4.900	.100		119.00	45.00			711.
76	5	14	955	3050.	.410	.100	6.100	.140		134.00	44.00			701.
76	5	15	955	2120.	.387	.100	6.000	.100		125.00	42.00			681.
76	5	16	955	2630.	.422	.110	5.800	.070		146.00	42.00			675.
76	5	17	355	2320.	.419	.090	5.600			136.00	42.00			674.
76	5	17	1000	2360.	.353	.100	5.700	.170		160.00	41.00			647.
76	5	17	1600	3200.	.309	.090	5.600	.030		102.00	40.00			664.
76	5	17	2200	4110.	.275	.080	5.600	.080		92.40	40.00			659.
76	5	18	400	4230.	.300	.100	6.000			105.00	40.00			664.
76	5	18	1000	4390.	.490	.110	7.600	.120		192.00	33.00			585.
76	5	18	1600	3990.	.516	.120	9.200	1.200		292.00	31.00			553.
76	5	18	2200	4080.	.692	.210	8.100	.010		260.00	33.00			605.
76	5	19	400	3480.	.485	.140	9.500			235.00	35.00			631.
76	5	19	1000	3410.	.470	.140	8.700	.030		226.00	36.00			643.
76	5	20	1000	2960.	.305	.080	6.600	.010		119.00	37.00			679.
76	5	21	1000	2520.	.322	.050	5.300	.020		106.00	37.00			670.
76	5	22	1000	2090.	.346	.030	4.700	.040		144.00	38.00			665.
76	5	23	1000	1970.		.030	4.300	.030		150.00	39.00			670.
76	5	24	400	1930.	.354	.010	4.000	.790		163.00	40.00			638.
76	5	24	1005	1810.	.364	.046	4.100	.061		156.00	43.00			681.
76	5	25	1005	1500.	.245	.038	4.200	.028		108.00	40.00			678.
76	5	26	1005	1500.	.240	.040	4.300	.180		102.00	39.00			679.
76	5	27	1005	1220.	.232	.030	4.000	.210		109.00	39.00			669.
76	5	28	1005	1280.	.250	.028	3.800	.057		106.00	41.00			673.
76	5	29	1005	1180.	.274	.015	3.500	.140		118.00	41.00			685.
76	5	30	1005	1100.	.258		3.000	.063		99.70	41.00			675.
76	5	31	405	1140.	.261	.010	2.800	.100		91.20	41.00			683.
76	5	31	1025	1280.	.234	.090	3.100	.030		87.30	42.00			677.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C- UMHO
76	5	31	1625	1530.	.380	.120	3.100	.120	.120	116.00	42.00			691.
76	5	31	2225	1550.	.250	.110	2.900	.020	.020	88.10	42.00			698.
76	6	1	425	1550.	.278	.130	2.900	.120	.120	101.00	43.00			699.
76	6	1	1025	1620.	.262	.140	2.900	.050	.050	102.00	43.00			701.
76	6	1	1025	1650.	.292	.190	2.700	.080	.080	117.00	43.00			698.
76	6	1	2225	1970.	.247	.110	2.800	.080	.080	83.60	43.00			695.
76	6	2	425	2300.	.382	.130	3.000	.080	.080	118.00	44.00			695.
76	6	2	1025	2700.	.286	.120	2.900	.040	.040	102.00	44.00			714.
76	6	2	1625	2520.	.276	.110	2.900	.140	.140	124.00	45.00			716.
76	6	2	2225	3400.	.242	.110	3.100	.070	.070	83.90	44.00			712.
76	6	3	425	4050.	.235	.120	3.100	.160	.160	88.60	43.00			705.
76	6	3	1025	5050.	.244	.110	3.600	.110	.110	93.80	43.00			701.
76	6	3	1625	4950.	.270	.100	2.900	.190	.190	117.00	43.00			694.
76	6	3	2225	5000.	.226	.100	2.900	.120	.120	90.50	42.00			688.
76	6	4	425	6330.	.265	.080	3.500	.180	.180	103.00	43.00			671.
76	6	4	1025	6000.	.218	.080	3.600	.080	.080	72.50	43.00			672.
76	6	4	1625	5300.	.260	.060	3.100	.200	.200	101.00	43.00			677.
76	6	4	2225	5220.	.256	.060	3.200	.200	.200	87.50	44.00			695.
76	6	5	425	4950.	.307	.070	3.700	.180	.180	77.80	45.00			711.
76	6	5	1025	4020.	.280	.180	4.200	.220	.220	74.70	46.00			738.
76	6	5	1625	4050.	.244	.050	4.300	.130	.130	88.70	48.00			752.
76	6	6	425	3350.	.262	.040	4.300	.050	.050	64.00	52.00			787.
76	6	6	1025	3000.	.208	.070	5.100	.090	.090	63.60	54.00			808.
76	6	6	1625	2000.	.274	.050	6.300	.060	.060	86.10	54.00			808.
76	6	6	2225	2500.	.260	.020	7.300	.040	.040	72.30	54.00			809.
76	6	7	425	2470.	.212	.030	8.400	.070	.070	77.70	53.00			786.
76	6	7	935	2320.	.266	.070	9.600	.270	.270	42.50	52.00			781.
76	6	7	940	2320.	.319	.110	10.100	.120	.120	44.40	51.00			797.
76	6	7	2140	2020.	.305	.070	10.800	.260	.260	89.40	48.00			759.
76	6	8	340	1930.	.389	.060	11.000	.380	.380	86.40	48.00			751.
76	6	8	940	1900.	.306	.080	11.300	.250	.250	62.50	48.00			745.
76	6	8	1540	1950.	.265	.060	10.900	.420	.420	106.00	47.00			729.
76	6	8	2140	1930.	.288	.060	10.800	.400	.400	94.40	47.00			715.
76	6	9	340	1770.	.299	.060	10.300	.490	.490	84.80	47.00			713.
76	6	9	940	1700.	.301	.060	10.800	.290	.290	103.00	47.00			725.
76	6	9	1546	1770.		.050	10.700	.400	.400	112.00	47.00			721.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6	9	2140	1720.	.307	.040	10.600	.370		108.00	47.00			711.
76	6	10	340	1600.	.364	.040	10.300	.420		125.00	47.00			709.
76	6	10	940	1500.	.357	.060	10.600	.380		134.00	47.00			723.
76	6	10	1540	1460.	.364	.040	10.600	.520		128.00	47.00			726.
76	6	10	2140	1580.	.370	.040	10.500	.460		146.00	47.00			709.
76	6	11	340	1160.	.292	.030	10.600	.430		96.30	47.00			712.
76	6	11	940	1100.	.341	.050	11.200	.430		136.00	47.00			721.
76	6	11	1540	1240.	.323	.040	11.300	.320		119.00	46.00			729.
76	6	11	2140	1220.	.357	.040	11.800	.280		133.00	46.00			716.
76	6	12	340	920.	.329	.030	12.000	.500		116.00	46.00			715.
76	6	12	940	790.	.395	.040	12.100	.210		143.00	46.00			729.
76	6	12	1540	790.	.455	.040	12.300	.290		181.00	46.00			734.
76	6	12	2140	710.	.395	.040	12.500	.150		139.00	45.00			733.
76	6	13	340	780.	.356	.030	12.500	.170		113.00	45.00			737.
76	6	13	940	1020.	.569	.040	12.700	.150		244.00	45.00			737.
76	6	13	1540	1040.	.456	.040	13.000	.130		200.00	45.00			727.
76	6	13	2140	950.	.378	.040	13.200	.170		145.00	45.00			737.
76	6	14	340	810.	.351	.050	13.700	.060		128.00	45.00			739.
76	6	14	935	736.	.315	.160	11.800	.050		85.80	52.00			729.
76	6	15	935	617.	.287	.160	13.000	.070		64.50	48.00			733.
76	6	16	935	631.	.267	.160	13.100	.140		49.00	51.00			741.
76	6	17	935	532.	.281	.140	13.100	.090		59.80	52.00			739.
76	6	18	935	495.	.288	.120	12.600	.120		50.70	52.00			740.
76	6	19	935	784.	.308	.100	13.100	.130		66.90	49.00			728.
76	6	20	935	831.	.299	.100	12.800	.090		56.00	48.00			721.
76	6	21	935	736.	.297	.100	11.600	.080		48.50	51.00			722.
76	6	21	947	867.	.310	.150	13.700	.050		87.20	45.00			728.
76	6	21	2147	1070.	.320	.140	13.300	.060		118.00	47.00			745.
76	6	22	947	1170.	.295	.120	12.500	.060		132.00	48.00			755.
76	6	22	2147	1170.	.353	.090	12.600	.190		82.10	47.00			737.
76	6	23	947	1190.	.350	.110	12.700	.070		132.00	47.00			738.
76	6	23	2147	1050.	.324	.090	12.300	.200		96.70	48.00			736.
76	6	24	947	1090.	.367	.100	12.600	.100		244.00	48.00			737.
76	6	24	2147	1499.	.379	.090	11.900	.120		148.00	46.00			729.
76	6	25	947	1408.	.352	.090	11.200	.110		130.00	47.00			711.
76	6	25	2147	1232.	.332	.060	10.900	.100		115.00	48.00			705.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6 26	947	1342.	.517	.070	10.200	.080			124.00	47.00			782.
76	6 26	2147	2386.	.338	.030	9.400	.020			134.00	48.00			706.
76	6 27	947	2514.	.305	.050	9.000	.030			110.00	49.00			704.
76	6 27	2147	2922.	.297	.030	7.400	.010			102.00	50.00			694.
76	6 28	347	2818.	.304	.030	7.200	.020			104.00	51.00			696.
76	6 28	947	2678.	.313	.090	4.900	.060	1.700		99.00	48.00			780.
76	6 28	2147	2894.	.309	.070	5.500	.110	1.900		108.00	49.00			717.
76	6 29	2147	2488.	.267	.050	5.100	.160	1.600		96.70	49.00			735.
76	6 30	947	2566.	.276	.030	4.600	.120	1.700		86.00	49.00			735.
76	6 30	2147	2698.	.277		3.100	.230	1.500		106.00	49.00			714.
76	7 1	947	2176.	.278	.050	2.000	.240	1.580		90.00	51.00			693.
76	7 1	2147	1980.	.321	.050	2.000	.250	1.540		86.60	52.00			715.
76	7 2	947	2075.	.284	.040	2.200	.200	1.850		117.00	50.00			733.
76	7 2	2147	2125.	.347	.030	2.200	.150	1.810		77.50	49.00			759.
76	7 3	947	1876.	.321	.070	2.500	.120	1.880		109.00	50.00			770.
76	7 3	2147	1438.	.341	.050	2.900	.090	1.610		79.40	51.00			774.
76	7 4	947	1756.	.352	.090	3.600	.100	1.670		96.90	50.00			772.
76	7 4	2147	1614.	.348	.080	3.600	.020	1.830		88.30	47.00			715.
76	7 5	347	1756.	.364	.080	3.700	.020	1.830		102.00	44.00			694.
76	7 5	940	1780.	.358	.170	4.800	.050	2.100		83.60	44.00			690.
76	7 5	2140	1499.	.369	.160	5.200	.130			87.10	46.00			674.
76	7 6	940	1499.	.365	.160	6.300	.020			107.00	46.00			672.
76	7 6	2140	1276.	.339	.150	6.500				99.70	45.00			675.
76	7 7	940	1190.	.325	.110	6.300	.080			93.00	45.00			673.
76	7 7	2140	1190.	.365	.120	6.400				83.00	44.00			674.
76	7 8	940	974.	.305	.090	6.300	.130			118.00	43.00			668.
76	7 8	2140	921.	.318	.090	6.300	.090			89.10	43.00			664.
76	7 9	940	921.	.265	.040	6.300	.180			91.90	42.00			658.
76	7 9	2140	992.	.314	.040	6.000	.120			74.50	41.00			629.
76	7 10	940	1010.	.261	.010	5.700	.150			116.00	40.00			631.
76	7 10	2140	1070.	.319	.010	5.400	.160			78.30	40.00			609.
76	7 11	940	1050.	.333	.010	5.400	.210			119.00	40.00			623.
76	7 11	2140	1408.	.300	.010	5.400	.040			154.00	46.00			648.
76	7 12	340	799.	.286		5.100	.010			94.50	41.00			628.
76	7 12	1300	659.	.142	.080	4.600	.280			112.00	40.00			603.
76										83.20	41.00			621.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	7 13 100	784.	.112	.106	3.900	.180				79.60	43.00			589.
76	7 13 1300	532.	.106	.080	4.600	.110				92.70	41.00			593.
76	7 14 100	532.	.061	.060	4.400	.260				75.40	42.00			585.
76	7 14 1300	645.	.059	.070	4.500	.190				62.60	41.00			596.
76	7 15 100	956.	.049	.060	4.500	.210				69.90	41.00			588.
76	7 15 1300	574.	.061	.090	4.400	.110				61.70	42.00			601.
76	7 16 100	938.	.075	.070	4.200	.150				73.50	42.00			592.
76	7 16 1300	560.	.078	.160	3.600	.110				73.80	44.00			598.
76	7 17 100	645.	.052	.120	3.900	.140				59.90	43.00			584.
76	7 17 1300	470.	.065	.080	4.200	.070				69.20	41.00			608.
76	7 18 100	520.	.063	.070	4.200	.060				83.80	41.00			588.
76	7 18 1300	445.	.046	.050	4.200					79.80	40.00			566.
76	7 19 100	603.	.031	.040	4.100					65.60	41.00			568.
76	7 19 700	482.	.048	.050	4.100					97.90	41.00			567.
76	7 19 1300	432.	.552	.103	5.100	.180				71.60	38.00			581.
76	7 20 100	457.	.235	.060	4.300	.380				60.00	38.00			560.
76	7 20 1300	432.	.242	.100	4.600	.110				72.90	39.00			569.
76	7 21 100	532.	.253	.080	4.300	.150				107.00	40.00			584.
76	7 21 1300	645.	.322	.140	4.200	.300				69.80	40.00			594.
76	7 22 100	588.	.250	.090	3.800	.130				73.10	38.00			597.
76	7 22 1300	574.	.270	.090	3.600	.110				93.70	38.00			610.
76	7 23 100	560.	.276	.080	3.300	.200				86.10	39.00			618.
76	7 23 700	799.	.234	.060	3.000	.290				67.70	38.00			597.
76	7 23 1300	1030.	.310	.080	2.800	.280				86.60	38.00			617.
76	7 23 1900	1298.	.263	.050	2.700	.130				73.70	37.00			611.
76	7 24 100	1364.	.246	.070	2.700	.130				64.30	38.00			623.
76	7 24 700	1342.	.287	.090	2.700	.120				85.10	38.00			624.
76	7 24 1300	1298.	.286	.080	2.700	.080				80.70	38.00			624.
76	7 24 1900	1342.	.294	.050	2.600	.070				97.60	37.00			613.
76	7 25 100	1591.	.298	.050	2.500	.110				104.00	39.00			603.
76	7 25 700	1732.	.316	.080	2.500	.090				110.00	41.00			667.
76	7 25 1300	1756.	.331	.090	2.400	.110				112.00	52.00			695.
76	7 25 1900	1684.	.331	.100	2.400	.010				111.00	46.00			657.
76	7 26 100	1614.	.323	.090	2.200					90.40	42.00			635.
76	7 26 700	1614.	.342	.090	2.300					107.00	43.00			627.
76	7 26 1300	1684.	.321	.210	3.000	.030				88.60	49.00			604.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 84193490

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 7 27 100	1522.	.302	.170	2.600	.080				85.50	49.00			607.
76 7 27 1300	1614.	.290	.170	2.500	.060				89.30	49.00			580.
76 7 28 1300	1320.	.275	.140	2.100	.120				80.60	49.00			575.
76 7 28 1300	1254.	.313	.170	2.100	.140				99.50	50.00			576.
76 7 29 100	1232.	.250	.120	1.700	.160				75.00	50.00			576.
76 7 29 1300	1170.	.295	.130	1.500	.150				94.00	52.00			590.
76 7 30 100	992.	.243	.130	1.300	.150				81.90	52.00			595.
76 7 30 1300	867.	.264	.120	1.100	.120				73.50	53.00			599.
76 7 31 100	1030.	.235	.120	1.000	.090				58.10	53.00			595.
76 7 31 1300	1110.	.264	.120	1.000	.040				51.30	54.00			595.
76 8 1 100	903.	.279	.090	.800	.020				70.00	55.00		1.30	588.
76 8 1 1300	831.	.267	.100	.800	.020				50.90	55.00		1.40	584.
76 8 2 100	831.	.264	.050	.700	.020				61.30	55.00		.90	567.
76 8 2 700	768.	.242	.070	.700	.020				57.60	55.00		1.30	576.
76 8 2 1900	631.	.223	.120	1.200	.090				59.50	56.00		1.10	587.
76 8 3 100	588.	.249	.130	1.300	.060				66.80	56.00		1.70	587.
76 8 3 700	588.	.270	.140	1.300	.160				50.70	56.00		1.10	590.
76 8 3 1300	645.	.246	.120	1.100	.110				82.50	55.00		1.70	589.
76 8 4 100	705.	.199	.120	1.200	.110				67.80	55.00		1.50	588.
76 8 4 700	705.	.175	.110	1.100	.180				73.30	55.00		1.60	580.
76 8 4 1300	689.	.172	.100	1.000	.180				57.20	55.00		1.10	587.
76 8 5 100	631.	.196	.090	.600	.300				47.00	54.00		1.00	585.
76 8 5 700	482.	.216	.070	.700	.320				65.20	54.00		1.10	573.
76 8 5 1300	445.	.227	.090	.600	.280				54.10	54.00		1.20	578.
76 8 6 100	560.	.245	.070	.500	.320				55.60	54.00		1.20	579.
76 8 6 700	495.	.244	.080	.500	.320				64.30	54.00		1.40	574.
76 8 6 1300	432.	.243	.070	.400	.300				63.80	54.00		1.40	586.
76 8 7 100	588.	.233	.070	.400	.310				56.60	53.00		1.20	584.
76 8 7 700	631.	.291	.080	.500	.250				60.30	53.00		1.30	580.
76 8 7 1300	560.	.259	.070	.400	.260				62.00	53.00		1.20	577.
76 8 8 100	495.	.289	.050	.400	.110				91.70	53.00		1.90	578.
76 8 8 700	432.	.319	.070	.400	.110				82.30	53.00		1.90	576.
76 8 8 1300	432.								87.30	52.00		2.40	580.
76 8 8 1300	432.								94.60	51.00		2.00	579.
76 8 8 1300	432.								98.70	51.00		2.00	580.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLOR RIDE	SI02	IRON	COND 25C.
YR MO DY	MRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
76	8	8	700	482.	.387	.060	.110	.400	.110	95.90	50.00		2.00	580.
76	8	8	1900	478.	.270	.030	.010	.200	.010	68.80	49.00		1.10	558.
76	8	9	100	574.	.299	.030	.070	.300	.070	103.00	49.00		2.10	564.
76	8	30	1300	133.	.325	.183	.084	.020	.084	63.50	56.20		2.00	608.
76	8	31	1300	192.	.315	.172	.118	.260	.118	51.60	57.10		1.60	612.
76	9	1	1300	185.	.312	.178	.147	.300	.147	57.80	58.00		1.70	620.
76	9	2	1300	140.	.290	.153	.128	.180	.128	47.40	57.90		1.40	625.
76	9	3	1300	177.	.295	.151	.087	.110	.087	52.20	58.30		1.40	624.
76	9	4	1300	185.	.319	.135	.012	.070	.012	50.20	59.40		1.40	631.
76	9	5	1300	148.	.331	.144	.051	.040	.051	47.30	60.00		1.30	632.
76	9	6	700	100.	.379	.133	.026	.280	.026	5.40	59.70		2.00	642.
76	9	6	1300	105.	.325	.203	.141	.060	.141	58.40	60.30			630.
76	9	7	1300	177.	.358	.184	.122	.190	.122	72.20	61.60			637.
76	9	8	1300	192.	.340	.176	.211	.060	.211	57.90	62.20			647.
76	9	9	1300	170.	.317	.170	.169	.060	.169	47.70	63.30			644.
76	9	10	1300	374.	.341	.147	.128	.060	.128	66.70	63.80			660.
76	9	11	1300	133.	.396	.146	.060	.070	.060	99.70	64.40			658.
76	9	12	1300	163.	.442	.158	.065	.050	.065	84.80	65.80			664.
76	9	13	700	234.	.442	.151	.004	.040	.004	91.50	66.50			677.
76	9	13	1300	287.	.398	.218	.117	.380	.117	71.90	67.10			705.
76	9	14	100	374.	.352	.195	.158	.200	.158	74.30	67.60			715.
76	9	15	100	269.	.362	.183	.201	.210	.201	54.90	68.50			716.
76	9	15	1300	216.	.354	.178	.141	.120	.141	83.00	69.20			724.
76	9	16	100	200.	.359	.168	.159	.160	.159	85.90	69.30			731.
76	9	16	1300	216.	.341	.166	.136	.090	.136	71.20	70.00			752.
76	9	17	100	407.	.387	.160	.111	.150	.111	111.00	68.90			737.
76	9	17	1300	396.	.317	.141	.089	.150	.089	71.80	69.80			741.
76	9	18	100	340.	.367	.142	.079	.130	.079	96.00	70.70			747.
76	9	18	1300	329.	.329	.142	.025	.100	.025	72.30	71.10			745.
76	9	19	100	352.	.329	.144	.046	.130	.046	65.50	71.20			743.
76	9	19	1300	234.	.330	.128	.010	.070	.010	72.40	71.60			753.
76	9	20	100	252.	.286	.112	.003	.030	.003	58.20	71.30			752.
76	9	20	700	269.	.283	.105	.006	.140	.006	48.90	71.90			751.
76	9	20	1300	278.	.288	.148	.243	.140	.243	42.70	68.90			749.
76	9	21	100	396.	.300	.154	.133	.090	.133	50.90	72.10			755.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUNEE RIVER

STREAM : MAUNEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C- UMHO
76	9 21	1300	278.	.292	.151	.120	.173	.120	.173	52.60	72.30			761.
76	9 22	100	352.	.313	.143	.080	.212	.080	.212	65.70	70.90			766.
76	9 22	1300	216.	.290	.133	.040	.208	.040	.208	48.20	73.90			775.
76	9 23	100	278.	.284	.133	.050	.198	.050	.198	46.90	74.40			774.
76	9 23	1300	216.	.318	.145	.040	.150	.040	.150	69.40	75.50			783.
76	9 24	1300	148.	.314	.135	.040	.123	.040	.123	58.30	74.50			793.
76	9 25	100	155.	.307	.126	.050	.099	.050	.099	58.40	75.70			794.
76	9 25	1300	133.	.335	.116	.030	.054	.030	.054	66.90	75.70			795.
76	9 26	100	225.	.300	.101	.030	.100	.030	.100	57.30	76.60			795.
76	9 26	1300	287.	.367	.104	.050	.075	.050	.075	97.80	76.80			795.
76	9 27	100	407.	.313	.110	.040	.049	.040	.049	67.90	76.30			790.
76	9 27	1300	462.	.310	.106	.040	.105	.040	.105	70.90	75.90			789.
76	9 27	1300	407.	.380	.176	.220	.100	.220	.100	97.20	72.20			747.
76	9 28	100	352.	.344	.173	.190	.121	.190	.121	81.80	71.70			774.
76	9 28	1300	352.	.330	.166	.180	.104	.180	.104	73.60	71.90			746.
76	9 29	100	396.	.285	.153	.050	.159	.050	.159	51.10	72.00			745.
76	9 29	1300	617.	.307	.156	.040	.152	.040	.152	70.10	72.10			748.
76	9 30	100	784.	.352	.150	.030	.068	.030	.068	94.50	73.20			752.
76	9 30	1300	617.	.325	.155		.118		.118	74.40	73.40			771.
76	10 1	100	528.	.313	.143		.043		.043	64.80	73.70			770.
76	10 1	1300	432.	.302	.135		.036		.036	65.40	74.30			781.
76	10 2	100	340.	.323	.138		.064		.064	70.90	74.60			785.
76	10 2	1300	307.	.304	.142		.036		.036	58.70	74.50			785.
76	10 3	100	287.	.306	.133		.006		.006	59.70	74.70			789.
76	10 3	1300	307.	.310	.150		.026		.026	60.60	74.80			791.
76	10 4	100	287.	.322	.136		.008		.008	61.60	75.00			792.
76	10 4	700	278.	.295	.134		.007		.007	56.80	75.00			790.
76	10 4	1300	307.	.269	.129	.250	.130	.250	.130	43.80	73.50			802.
76	10 5	1300	318.	.330	.151	.270	.137	.270	.137	74.20	74.30			805.
76	10 6	1300	457.	.372	.140	.200	.109	.200	.109	68.20	73.90			797.
76	10 7	1300	482.	.363	.110	.250	.127	.250	.127	91.60	74.80			791.
76	10 8	1300	420.	.330	.116	.130	.106	.130	.106	67.30	73.50			781.
76	10 9	1300	617.	.290	.094	.080	.067	.080	.067	50.20	72.00			761.
76	10 10	1300	574.	.313	.091	.080	.029	.080	.029	60.70	72.40			774.
76	10 11	700	495.	.307	.100	.020	.035	.020	.035	60.10	73.10			781.
76	10 11	1300	495.	.299	.126	.170	.103	.170	.103	48.90	74.70		1.32	760.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE VR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 10 12	1300	445.	.311	.100	.140	.075				57.40	74.30		1.55	750.
76 10 13	1300	396.	.271	.068	.020	.074				42.70	72.90		1.21	750.
76 10 14	1300	200.	.270	.057	.010	.030				39.40	73.20		1.11	756.
76 10 15	1300	318.	.269	.048	.010	.007				48.40	73.90		1.26	753.
76 10 16	1300	155.	.235	.020	.010	.068				38.80	74.70		.99	751.
76 10 17	1300	177.	.222	.030	.010	.152				27.60	75.60		.71	760.
76 10 18	700	234.	.239	.035	.010	.008				31.70	75.30		.81	769.
76 10 18	1300	234.	.204	.065		.145				28.80	72.90			757.
76 10 19	1300	170.	.225	.074		.111				28.80	72.90			755.
76 10 20	1300	736.	.371	.072	.020	.071				104.00	72.70			750.
76 10 21	1300	705.	.325	.050		.076				308.00	71.90			749.
76 10 21	1900	1810.	.360	.039	.018	.024				105.00	72.70			743.
76 10 22	100	705.	.330	.050		.034				99.20	70.90			705.
76 10 22	700	432.	.318	.047		.048				87.70	71.90			744.
76 10 22	1300	329.	.285	.044		.015				63.80	72.20			750.
76 10 23	1900	148.	.235	.040		.119				39.20	72.30			742.
76 10 24	1300	363.	.235	.044		.004				41.10	72.10			741.
76 10 25	700	407.	.243	.041		.009				54.70	72.00			744.
76 10 25	1300	374.	.236	.050	.010	.224				37.90	72.00	.54		750.
76 10 26	1300	374.	.199	.031	.010	.075				30.30	72.50	.92		757.
76 10 27	1300	508.	.184	.014	.030	.165				21.70	73.10	.46		771.
76 10 28	1300	3095.	.211	.030	.050	.157				27.40	72.30	1.04		771.
76 10 29	1300	1010.	.224	.038	.300	.106				24.50	71.60	1.16		771.
76 10 30	1300	445.	.238	.052	.350	.198				22.40	74.00	1.18		779.
76 10 31	1300	532.	.239	.047	.350	.172				26.80	73.10	1.06		776.
76 11 1	700	407.	.233	.050	.360	.170				28.80	72.90	.83		787.
76 11 1	1300	396.	.282	.129	.380	.623				16.90	71.00	1.17		773.
76 11 2	1300	432.	.261	.089	.410	.531				31.30	72.70	.70		774.
76 11 3	1300	374.	.252	.101	.440	.421				22.00	73.30	1.18		775.
76 11 4	1300	278.	.256	.065	.430	.245				19.80	72.30	1.24		777.
76 11 5	1300	340.	.217	.052	.430	.158				16.80	72.20	2.85		773.
76 11 6	1300	374.	.214	.050	.460	.135				13.20	71.20	1.11		776.
76 11 7	1300	133.	.205	.039	.470	.091				13.30	72.00	.79		781.
76 11 8	700	352.	.199	.031	.440	.036				17.00	72.10	1.18		773.
76 11 8	1300	269.	.197	.057	.430	.196				16.20	73.90	1.27		809.
76 11 9	1300	243.	.202	.040	.440	.139				24.30	74.60	1.23		815.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 11 10 1900	252.	.214	.041	.450	.136				23.90	79.50	.57		815.
76 11 11 1900	225.	.132	.019	.460	.101				17.80	73.90	1.15		812.
76 11 12 1900	287.	.187	.024	.430	.092				19.70	72.90	1.30		813.
76 11 13 1900	352.	.176	.025	.450	.032				16.80	72.70	.83		813.
76 11 14 1900	192.	.184	.023	.440	.021				21.80	73.40	.88		814.
76 11 15 700	225.	.167	.021	.460	.031				16.40	73.70	1.85		818.
76 11 15 1300	133.	.188	.044	.440	.213				10.90	67.80			814.
76 11 16 1300	252.	.182	.034	.420	.231				9.60	69.40			822.
76 11 17 1300	252.	.185	.039	.450	.241				11.80	71.10			833.
76 11 18 1300	1298.	.174	.021	.510	.158				12.70	71.30			836.
76 11 19 1300	631.	.204	.031	.830	.276				19.40	75.90			883.
76 11 20 1300	352.	.199	.015	1.840	.123				16.90	80.10			919.
76 11 21 1300	207.	.173	.009	1.170	.122				14.70	81.50			929.
76 11 22 700	428.	.157	.006	1.200	.068				15.30	82.40			932.
76 11 22 1300	363.	.163	.042	1.450	.266				11.60	84.70	1.77		919.
76 11 23 1300	307.	.175	.085	1.180	.143				11.00	84.80	2.34		915.
76 11 24 1300	185.	.174	.016	1.170	.158				13.00	83.70	4.19		912.
76 11 25 1300	225.	.185	.060	1.130	.161				15.60	83.40	1.77		914.
76 11 26 1300	374.	.191	.008	1.180	.062				24.80	83.60	1.83		903.
76 11 27 1300	407.	.188	.005	1.140	.014				22.20	82.50	2.54		887.
76 11 28 1300	133.	.192	.009	1.080	.018				21.20	80.00	2.12		863.
76 11 29 700	234.	.184	.005	1.050	.017				22.20	80.80	2.94		853.
76 11 29 1900	532.	.225	.037	.970	.279				23.60	74.80	3.68	.40	903.
76 11 30 1300	603.	.278	.032	1.130	.254				41.40	77.60	2.82	1.80	909.
76 12 1 1300	243.	.240	.021	1.090	.193				30.90	76.70	3.19	.29	909.
76 12 2 1300	720.	.220	.001	1.060	.088				29.20	78.50	3.49	.19	928.
76 12 3 1300	650.	.207	.003	1.060	.093				22.90	77.60	3.96	.19	932.
76 12 4 1300	558.	.217	.005	1.030	.041				24.20	75.50	3.10	.16	938.
76 12 5 1300	480.	.217	.011	1.090	.060				22.70	77.90	3.27	.15	965.
76 12 6 700	428.	.219	.012	1.120	.032				21.70	77.90	3.20	.16	964.
76 12 6 1900	428.	.224	.048	.710	.343				24.30	76.60	1.07		951.
76 12 7 1300	360.	.207	.059	.960	.319				13.30	75.30	1.61		946.
76 12 8 1300	330.	.203	.048	.980	.254				13.10	74.70	3.34		928.
76 12 9 1300	310.	.213	.051	.970	.226				17.50	71.70	1.36		938.
76 12 10 1300	290.	.204	.032	.940	.151				14.40	69.20	1.44		941.
76 12 11 1300	270.	.203	.026	.980	.118				13.00	72.80	1.48		924.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
76	12	12	1300	250.	.210	.029	.960	.045	2.430	14.40	71.10	1.51		928.
76	12	13	1300	220.	.167	.098	1.310	.362	2.080	9.60	52.10	.11	.32	951.
76	12	14	1300	200.	.168	.089	1.150	.250	1.830	11.30	76.30	.10	.19	959.
76	12	15	1300	190.	.186	.078	1.110	.206	1.880	10.70	76.30	.06	.18	963.
76	12	16	1300	180.	.181	.051	.890	.129	1.970	12.30	56.60	.05	.19	973.
76	12	17	1300	170.	.211	.062	1.070	.168	2.420	16.20	74.80	.04	.32	980.
76	12	18	1300	160.	.228	.059	1.070	.104	2.180	16.80	75.60	.19	.29	981.
76	12	19	1300	150.	.241	.056	1.070	.067	2.220	17.70	76.30	.56	.21	976.
76	12	20	700	252.	.252	.049	1.050	.026	2.270	18.30	76.90	.30	.26	975.
76	12	20	1300	269.	.235	.098	1.130	.310	2.130	10.10	77.90	2.74		954.
76	12	21	1300	363.	.239	.102	1.170	.295	2.570	12.20	79.90	2.11		963.
76	12	22	1300	400.	.226	.096	1.330	.246	2.270	12.50	80.60	1.53		976.
76	12	23	1300	780.	.237	.080	1.450	.169	2.330	11.40	80.80	1.99		988.
76	12	24	1300	700.	.228	.081	1.580	.181	2.160	10.40	82.00	1.98		973.
76	12	25	1300	620.	.234	.070	1.740	.136	2.140	10.00	82.80	1.60		1017.
76	12	26	1300	560.	.226	.069	1.920	.091	2.040	10.00	85.70	1.11		1047.
76	12	27	700	1684.	.229	.070	1.980	.093	2.020	10.70	86.10	1.90		1064.
76	12	27	1300	1708.	.217	.105	.207	.357	2.670	7.00	87.30	1.93		1084.
76	12	28	1300	1200.	.294	.105	2.250	.146	1.860	20.10	87.30	1.18		1074.
76	12	29	1300	1000.	.252	.137	2.230	.374	1.990	6.50	85.30	1.41		1074.
76	12	30	1300	900.	.231	.135	2.190	.394	2.080	6.30	84.60	2.45		1056.
76	12	31	1300	800.	.243	.121	2.230	.372	1.690	5.80	85.50	.79		1056.
77	1	1	1300	700.	.260	.137	2.180	.438	3.390	6.20	84.00	1.55		1065.
77	1	2	1300	620.	.255	.130	2.190	.415	2.140	7.30	84.30	.94		1054.
77	1	3	700	560.	.272	.176	2.180	.545	1.930	7.00	84.60	1.28		1062.
77	1	3	1300	560.	.290	.178	2.180	.638		7.80	81.60			1029.
77	1	4	1300	500.	.250	.176	2.020	.662		4.60	79.70			1020.
77	1	5	1300	460.	.262	.178	1.980	.664		4.20	79.80			1021.
77	1	6	1300	430.	.256	.187	1.920	.682		3.80	79.50			1001.
77	1	7	1300	400.	.301	.193	1.810	.714		2.20	78.30			984.
77	1	8	1300	370.	.362	.200	1.760	.685		3.80	79.10			971.
77	1	9	1300	340.	.288	.201	1.680	.753		3.10	79.10			988.
77	1	10	700	320.	.290	.211	1.650	.810		2.80	79.90			977.
77	1	17	1300	260.	.340	.246	1.510	.976		5.30	82.50	2.46		1046.
77	1	18	1300	250.	.314	.260	1.660	.992		3.90	84.30	2.98		1045.
77	1	19	1300	240.	.314	.257	1.650	.991		5.20	84.30	2.64		1051.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USES NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	1 20	1300	240.	.313	.254	1.700	.908			4.50	86.30	2.72		1061.
77	1 21	1300	230.	.312	.254	1.710	.991			5.20	86.90	2.70		1081.
77	1 22	1300	230.	.296	.234	1.710	.950			4.20	86.10	2.81		1068.
77	1 23	1300	230.	.283	.220	1.670	.884			4.68	85.30	1.83		1033.
77	1 24	700	230.	.275	.216	1.680	.884			4.70	85.30	3.36		1060.
77	1 24	1300	230.	.271	.242	1.700	1.010			3.60	84.20	1.91		1074.
77	1 25	1300	230.	.269	.227	1.760	.950			3.00	86.10	2.10		1076.
77	1 26	1300	230.	.276	.239	1.740	.908			3.40	85.90	2.77		1009.
77	1 27	1300	230.	.290	.239	1.730	1.040			3.80	86.40	2.43		1094.
77	1 28	1300	230.	.303	.251	1.720	1.150			4.10	87.40	1.74		1098.
77	1 29	1300	230.	.315	.272	1.720	1.290			5.70	88.00	2.61		1112.
77	1 30	1300	230.	.325	.277	1.750	1.430			3.80	91.90	2.67		1133.
77	1 31	700	230.	.345	.286	1.770	1.480			6.20	93.90	2.90		1179.
77	2 2	1300	220.	.456	.588	1.720	1.680			3.50	97.20	1.28		1249.
77	2 3	1300	210.	.414	.318	1.750	1.580			4.20	97.70	1.24		1259.
77	2 4	1300	210.	.419	.333	1.730	1.860			3.00	98.10	1.30		1260.
77	2 5	1300	200.	.424	.335	1.650	1.960			4.00	97.70	1.32		1251.
77	2 6	1300	200.	.433	.336	1.570	2.000			3.90	97.30	1.40		1239.
77	2 7	1300	200.	.430	.346	1.550	1.980			6.80	110.00	1.66		1212.
77	2 8	1900	200.	.421	.358	1.530	2.000			7.20	110.00	1.62		1216.
77	2 9	1300	210.	.438	.358	1.580	2.000			6.50	111.00	1.78		1219.
77	2 10	1300	230.	.448	.372	1.580	2.000			6.30	111.00	1.84		1227.
77	2 11	1300	350.	.454	.378	1.620	2.000			4.60	112.00	2.00		1238.
77	2 12	1300	600.	.471	.399	1.650	2.000			3.90	112.00	2.20		1247.
77	2 13	1300	1000.	.489	.409	1.680	2.000			5.40	112.00	2.49		1235.
77	2 14	700	1700.	.494	.419	1.660	2.000			5.40	111.00	2.66		1216.
77	2 15	1300	1700.	.507						3.80		4.15		1284.
77	2 16	1300	1500.	.564	.509	6.730	.040	1.000		2.60	106.00	3.70		1221.
77	2 16	1300	1300.	.609						5.00		4.54		1227.
77	2 17	1300	1100.	.632						11.30		4.45		1227.
77	2 18	1300	1000.	.659						6.70		4.50		1242.
77	2 19	1300	920.	.675						4.30		4.30		1239.
77	2 20	1300	880.	.688						3.90		5.70		1245.
77	2 21	700	860.	.762						2.60		5.50		1243.
77	2 25	1000	6334.	.876		6.520	.075	1.490		4.70		5.95		1245.
										21.90	99.10	7.00		1181.

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

[illegible]

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	YR	MO	DAY	TIME HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	9	1300	14500.	.454	.081	.081	6.900	.460		1.530		214.00	38.70	4.97		437.
77	3	9	1700	15400.	.512	.142	.142	7.500	.077		3.230		119.00	34.30	5.46		399.
77	3	9	1900	12650.	.485	.093	.093	7.500	.304		1.840		208.00	41.60	7.18		448.
77	3	10	100	10900.	.390	.096	.096	7.600	.319		2.040		147.00	42.20	6.29		451.
77	3	10	700	10396.	.344	.092	.092	7.700	.304		1.710		94.80	42.60	6.29		457.
77	3	10	1300	10292.	.327	.083	.083	7.700	.384		1.790		93.90	42.80	6.47		463.
77	3	10	1710	11700.	.412	.142	.142	7.070	.353		1.990		76.60	34.50	5.78		483.
77	3	10	1900	10344.	.321	.089	.089	7.590	.350		.870		115.00	42.40	6.13		461.
77	3	11	100	10500.	.330	.090	.090	7.440	.316		1.660		98.30	42.30	6.78		463.
77	3	11	700	10500.	.308	.094	.094	7.000	.306		1.680		82.10	41.50	7.19		453.
77	3	11	1300	10396.	.300	.087	.087	6.740	.316		1.410		56.70	41.20	5.86		450.
77	3	11	1810	11900.	.373	.141	.141	5.760	.076		1.440		72.10	32.30	5.16		396.
77	3	11	1900	9845.	.308	.086	.086	6.530	.225		2.080		71.20	41.10	5.92		455.
77	3	12	100	9755.	.308	.079	.079	6.500	.320		1.430		75.10	41.30	5.88		459.
77	3	12	700	9440.	.290	.083	.083	6.690	.300		1.720		67.60	41.80	6.37		462.
77	3	12	1300	8992.	.302	.089	.089	7.090	.351		1.590		78.20	42.50	7.00		469.
77	3	12	1815	10240.	.309	.127	.127	6.200	.081		1.600		69.40	34.90	5.49		410.
77	3	13	1900	9530.	.399	.088	.088	7.010	.316		1.750		85.80	42.50	6.88		482.
77	3	13	100	8640.	.356	.091	.091	7.230	.364		1.830		127.00	42.90	6.35		504.
77	3	13	700	8304.	.320	.076	.076	7.260	.274		1.960		1.20	45.90	6.57		517.
77	3	13	1300	8220.	.284	.072	.072	7.330	.333		1.530		68.80	47.60	6.23		525.
77	3	13	1645	9530.	.283	.118	.118	5.990	.123		1.620		48.90	34.50	5.84		431.
77	3	13	1900	8304.	.279	.077	.077	7.510	.245		1.660		78.40	47.00	6.43		531.
77	3	14	100	7884.	.281	.075	.075	7.720	.270		1.560		82.20	46.90	7.07		529.
77	3	14	700	7520.	.268	.077	.077	7.850	.309		1.720		65.50	47.30	7.03		540.
77	3	14	1300	7166.	.247	.069	.069	7.690	.294				59.20	45.70	6.52	3.10	536.
77	3	14	1700	8010.	.262	.120	.120	6.560	.074		1.330		55.20	37.90	6.43		536.
77	3	15	1300	6445.	.235	.073	.073	7.230	.370				58.10	45.70	6.78	3.30	538.
77	3	15	1850	7440.	.259	.118	.118	6.190	.336		1.180		53.90	38.90	6.60	4.00	484.
77	3	16	1300	5576.	.276	.070	.070	6.670	.329				100.00	46.60	6.50		541.
77	3	16	1815	6896.	.257	.119	.119	6.300	.329		1.940		49.40	40.20	6.81		508.
77	3	17	1300	4200.	.272	.062	.062	6.500	.416		2.260		86.50	50.00	6.87	3.70	571.
77	3	17	1755	5088.	.233	.113	.113	6.500	.292				39.90	43.70	7.35		534.
77	3	18	1300	4685.	.214	.056	.056	6.660	.459		1.270		50.40	50.30	7.04	2.40	581.
77	3	18	1750	5470.	.206	.106	.106	6.390	.116				39.30	44.50	7.23		555.
77	3	19	1300	13900.	.326	.054	.054	8.820	.333				182.00	49.10	6.89	6.70	569.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3 19	1745	17900.	.279	.117	6.100	.018	1.160		71.20	45.60	6.93		588.
77	3 19	1900	16080.	.309	.062	8.780	.443			158.00	49.60	7.21	5.70	572.
77	3 20	100	20380.	.331	.061	7.950	.438			166.00	50.20	6.55	6.08	580.
77	3 20	760	20980.	.400	.087	8.060	.501			181.00	53.90	6.73	6.60	606.
77	3 20	1300	20800.	.450	.055	8.590	.209			202.00	49.50	6.95	8.80	555.
77	3 20	1630	21760.	.568	.137	8.350	.097	2.230		87.70	42.90	7.05		538.
77	3 20	1900	18650.	.541	.075	9.730	.346			257.00	48.40	7.16	11.50	542.
77	3 21	100	17780.	.422	.067	9.810	.416			183.00	48.90	6.50	8.40	545.
77	3 21	700	17100.	.497	.065	9.920	.450			250.00	49.70	6.88	10.60	544.
77	3 21	1300	15600.	.419	.075	9.980	.167			178.00	43.60	6.77	8.20	554.
77	3 21	1810	17150.	.460	.140	7.890	.087	2.060		136.00	43.20	6.44		535.
77	3 21	1900	15100.	.370	.068	10.100	.155	1.930		118.00	43.80	7.63	7.40	566.
77	3 22	100	14100.	.361	.074	10.000	.202	1.590		234.00	43.60	7.52	7.20	554.
77	3 22	700	14350.	.324	.077	9.770	.198	1.500		103.00	42.70	7.47	6.30	554.
77	3 22	1300	13800.	.300	.075	9.390	.172	1.480		66.90	41.60	7.79	5.70	543.
77	3 22	1705	14300.	.341	.128	8.130	.057	1.330		82.60	41.30	6.75		514.
77	3 22	1900	11900.	.286	.076	9.380	.176	1.440		94.90	41.80	7.18	5.30	545.
77	3 23	100	11100.	.273	.075	9.430	.179	1.520		128.00	42.30	7.40	4.80	551.
77	3 23	700	10136.	.253	.071	9.500	.159	1.160		53.50	43.00	6.96	4.30	559.
77	3 23	1300	9665.	.251	.073	9.490	.208	1.530		66.00	43.40	7.57	4.30	566.
77	3 23	1845	10292.	.263	.114	8.920	.031	2.890		52.60	43.90	7.69		531.
77	3 23	1900	8684.	.231	.069	9.450	.161	3.020		49.80	43.90	7.65	3.90	574.
77	3 24	100	7088.	.223	.058	9.510	.143	1.340		62.00	44.00	7.54	3.80	582.
77	3 24	700	7322.	.209	.062	9.590	.216	1.240		50.80	44.20	8.85	3.60	587.
77	3 24	1900	12300.	.217	.106	8.500	.059	1.480		38.10	45.90	6.89		562.
77	3 25	1825	17150.	.239	.102	8.300	.079	1.240		51.60	45.70	7.19		569.
77	3 26	1900	15400.	.511	.114	7.950	.108	1.360		49.00	46.10	7.25		568.
77	3 27	1310	14050.	.222	.110	7.900	.426	1.230		44.30	44.00	7.07		558.
77	3 28	1840	18260.	.243	.089	8.230	.217	2.970		70.10	44.10	3.73		546.
77	3 29	1925	23500.	.486	.088	7.980	.153	1.460		184.00	39.20	6.51		502.
77	3 30	1950	20000.	.559	.097	7.770	.441	2.600		188.00	38.90	7.07		490.
77	3 31	1340	16000.	.489	.111	7.850	.184	2.420		160.00	38.00	7.18		481.
77	3 31	1341	16000.	.470	.027	7.860	.128	1.680		211.00	38.90	1.65		484.
77	3 31	1850	16000.	.435	.114	7.860	.025	1.660		202.00	30.70	6.95		485.
77	4 1	1750	12650.	.389	.112	8.070	.084	1.860		171.00	30.80	7.27		486.
77	4 4	1030	15000.	.443	.069	7.170	.050	2.910		193.00	28.70	6.89	8.70	540.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CMLO KIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	1630	15000.	.551	.093	7.120	.190	3.240		285.00	30.00	6.75	10.60	550.
77	4	1800	15000.	.370	.102	6.740	.015	1.290		176.00	31.40	7.04		524.
77	4	2230	15000.	.562	.090	6.930	.057	6.120		292.00	30.70	6.47	10.90	553.
77	4	5	430	13000.	.593	6.920	.106	2.570		305.00	29.70	6.40	12.00	550.
77	4	5	1030	13000.	.553	.091	7.230	2.540		266.00	30.20	6.53	11.70	545.
77	4	5	1630	13000.	.620	.123	7.040	3.120		310.00	28.30	6.07	13.40	531.
77	4	5	1945	13000.	.424	.127	6.910	1.920		189.00	31.60	7.97		509.
77	4	5	2230	13000.	.623	.108	6.980	2.660		293.00	28.50	6.23	13.40	535.
77	4	6	430	12000.	.577	.095	6.650	2.640		247.00	27.40	6.10	12.40	529.
77	4	6	1030	12000.	.544	.103	6.890	2.920		224.00	27.60	6.42	11.70	515.
77	4	6	1630	12000.	.615	.096	6.890	2.070		311.00	26.90	6.48	13.40	509.
77	4	6	1855	12000.	.430	.120	6.710	1.770		173.00	28.70	7.01		482.
77	4	6	2230	12000.	.554	.084	6.650	2.440		223.00	25.80	6.26	12.00	509.
77	4	7	430	10000.	.528	.096	6.940	2.560		186.00	26.60	6.53	11.50	495.
77	4	7	1030	10000.	.477	.098	6.990	2.490		157.00	26.80	6.65	10.10	500.
77	4	7	1630	10000.	.494	.090	6.910	3.100		290.00	26.80	6.50	10.40	501.
77	4	7	2110	10860.	.363	.115	6.690	1.470		139.00	28.80	8.74		488.
77	4	7	2230	10000.	.421	.084	6.680	1.870		63.00	26.30	6.43	9.10	507.
77	4	8	430	8800.	.385	.088	6.790	1.780		99.90	27.80	6.45	7.90	518.
77	4	8	1030	8800.	.354	.086	6.680	2.160		99.40	28.30	6.35	7.10	526.
77	4	8	1630	8800.	.330	.085	6.610	1.580		108.00	28.70	6.41	6.60	530.
77	4	8	1830	8514.	.251	.104	6.340	1.330		71.90	30.70	6.11		498.
77	4	8	2230	8800.	.345	.080	6.420	1.730		105.00	28.30	6.43	6.60	535.
77	4	9	430	7000.	.338	.083	6.240	1.490		86.60	28.30	6.33	6.30	541.
77	4	9	1030	7000.	.302	.080	5.790	1.430		117.00	29.30	6.41	5.70	544.
77	4	9	1615	7000.	.244	.093	5.790	1.710		88.10	30.90	6.82		513.
77	4	9	1630	7000.	.319	.073	5.850	1.430		127.00	28.10	5.98	6.10	546.
77	4	9	2230	7000.	.338	.073	5.810	2.660		109.00	28.70	6.34	6.70	540.
77	4	10	430	5400.	.332	.066	5.760	2.350		107.00	28.50	6.20	6.60	540.
77	4	10	1030	5400.	.358	.078	5.770	1.480		119.00	29.00	6.11	6.90	547.
77	4	10	1630	5400.	.412	.077	5.780	3.430		170.00	29.90	5.92	6.80	549.
77	4	10	1815	5400.	.251	.107	5.660	.910		85.80	31.10	7.17		519.
77	4	10	2230	5400.	.392	.071	5.760	2.800		114.00	29.90	6.09	7.20	555.
77	4	11	430	4000.	.342	.073	5.760	2.150		115.00	29.90	5.97	6.10	561.
77	4	11	1300	4000.	.376	.097	5.850	1.50		187.00	33.30	6.39		525.
77	4	11	1705	4000.	.238	.102	5.400	1.220		54.80	30.70	7.00		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4 12 1000	3352.	.215	.102	5.390	.013		1.230		39.30	32.40	7.14		531.
77	4 12 1001	3352.	.230	.104	5.720	.024		1.490		54.20	32.20	8.54		555.
77	4 12 1300	3507.	.364	.086	5.800	.032				231.00	34.40	5.80	5.80	
77	4 12 2250	3260.	.217	.099	5.770	.029		1.260		48.00	31.90	7.03		556.
77	4 13 1300	3170.	.281	.087	5.560	.187				132.00	35.10	5.67	4.00	
77	4 13 1900	2880.	.207	.094	5.770	.022		1.120		52.50	33.20	7.33		564.
77	4 14 1300	2570.	.298	.088	5.400	.060				131.00	36.80	5.60	4.20	
77	4 14 1640	2570.	.192	.094	5.700	.020		1.090		47.70	34.10	7.22		581.
77	4 15 1300	2548.	.356	.078	5.210	.047				221.00	36.80	5.47	4.70	
77	4 15 1800	2738.	.185	.091	5.450	.021		1.130		34.70	34.70	6.76		594.
77	4 16 1300	2265.	.304	.067	4.710	.067				161.00	36.00	5.06	3.80	
77	4 16 1720	2575.	.173	.084	4.900	.022		1.370		37.30	34.00	7.63		592.
77	4 17 1130	2575.	.176	.075	4.510	.026		2.560			34.30	6.18		595.
77	4 17 1300	2290.	.252	.047	4.100	.063				98.70	35.70	4.82	2.90	
77	4 18 700	1927.	.246	.038	4.010	.091				123.00	38.80	3.59	2.70	
77	4 18 1300	1835.	.273	.105	4.470	.105		1.480		120.00	38.00		3.60	608.
77	4 18 1740	2046.	.172	.075	4.290	.029		.870		33.20	35.00	5.29		609.
77	4 19 1300	1927.	.355	.085	4.270	.070		1.750		184.00	39.00		4.50	609.
77	4 19 1720	2118.	.159	.060	4.210	.026		1.080		33.10	36.20	4.31		620.
77	4 20 1300	2094.	.279	.065	4.140	.047		2.090		126.00	41.20		3.80	631.
77	4 20 1900	2265.	.273	.050	4.060	.114		1.630		123.00	41.80		3.80	637.
77	4 20 2120	2365.	.146	.054	4.130	.038		1.130		30.30	37.80	5.30		638.
77	4 21 100	2022.	.278	.063	4.100	.058		1.560		130.00	42.10		3.80	644.
77	4 21 700	1927.	.258	.063	4.070	.091		1.370		111.00	42.00		3.40	644.
77	4 21 1300	1974.	.374	.061	4.180	.096		2.220		217.00	42.90		6.50	650.
77	4 21 1730	2290.	.157	.036	4.000	.056		1.490		35.10	38.70	4.70		644.
77	4 21 1900	2094.	.340	.039	4.110	.114		2.290		179.00	44.30		5.40	654.
77	4 22 100	1835.	.299	.059	4.110	.064		1.670		139.00	43.80		4.30	650.
77	4 22 700	1858.	.327	.070	4.100	.059		1.680		170.00	44.00		4.70	661.
77	4 22 1300	1927.	.345	.062	3.960	.060		1.640		161.00	43.80		4.80	653.
77	4 22 1900	2046.	.382	.063	3.750	.070		2.050		205.00	43.20		6.00	646.
77	4 23 100	3990.	.578	.078	5.150	.121		2.470		343.00	38.90		12.20	582.
77	4 23 700	12750.	1.080	.103	7.410	.246		4.460		810.00	34.00		27.80	514.
77	4 23 1300	27130.	1.550	.103	9.390	.216		5.360		1141.00	32.20		34.80	504.
77	4 23 1800	46030.	.912	.092	5.950	.039		3.440		556.00	33.30	5.36		517.
77	4 23 1900	41900.	2.160	.102	9.400	.174		8.240		1731.00	28.40		50.10	469.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

USGS NO. 04193490

LOCATION W/CODE : NEAR WATERVILLE, OHIO

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	24	100	52600.										
77	4	24	700	56770.										
77	4	24	1245	62200.										
77	4	24	1300	56950.										
77	4	24	1900	56950.										
77	4	25	100	55050.										
77	4	25	700	52600.										
77	4	25	1300	48800.										
77	4	25	1825	50250.										
77	4	25	1900	48900.										
77	4	26	100	48800.										
77	4	26	700	32900.										
77	4	26	1205	33800.										
77	4	26	1206	33800.										
77	4	26	1300	32900.										
77	4	26	1900	32900.										
77	4	26	2150	30140.										
77	4	27	100	25700.										
77	4	27	700	25700.										
77	4	27	1300	20700.										
77	4	27	1900	25700.										
77	4	27	1905	25320.										
77	4	28	100	13200.										
77	4	28	700	13200.										
77	4	28	1300	13200.										
77	4	28	1800	12900.										
77	4	28	1900	13200.										
77	4	29	100	6170.										
77	4	29	700	6170.										
77	4	29	1300	6170.										
77	4	29	1720	15100.										
77	4	30	1300	7980.										
77	4	30	1300	6816.										
77	5	1	1300	6668.										
77	5	1	2000	7440.										
77	5	2	700	5790.										
77	4	24	100	52600.										
77	4	24	700	56770.										
77	4	24	1245	62200.										
77	4	24	1300	56950.										
77	4	24	1900	56950.										
77	4	25	100	55050.										
77	4	25	700	52600.										
77	4	25	1300	48800.										
77	4	25	1825	50250.										
77	4	25	1900	48900.										
77	4	26	100	48800.										
77	4	26	700	32900.										
77	4	26	1205	33800.										
77	4	26	1206	33800.										
77	4	26	1300	32900.										
77	4	26	1900	32900.										
77	4	26	2150	30140.										
77	4	27	100	25700.										
77	4	27	700	25700.										
77	4	27	1300	20700.										
77	4	27	1900	25700.										
77	4	27	1905	25320.										
77	4	28	100	13200.										
77	4	28	700	13200.										
77	4	28	1300	13200.										
77	4	28	1800	12900.										
77	4	28	1900	13200.										
77	4	29	100	6170.										
77	4	29	700	6170.										
77	4	29	1300	6170.										
77	4	29	1720	15100.										
77	4	30	1300	7980.										
77	4	30	1300	6816.										
77	5	1	1300	6668.										
77	5	1	2000	7440.										
77	5	2	700	5790.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION: W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	5	2	1300	5684.	.096	6.910	.071	1.680		101.00	33.50	6.55	4.50	572.
77	5	2	1910	6820.	.096	6.220	.040	.940		37.10	30.80	7.96		535.
77	5	3	1300	10540.	.076	8.570	.101	1.710		137.00	34.40	7.19	5.90	591.
77	5	3	1900	11250.	.087	8.670	.095	2.600		164.00	33.00	7.21	7.30	588.
77	5	3	2045	12900.	.101	6.170	.055	1.630		55.60	35.20	6.97		586.
77	5	4	100	11200.	.082	9.080	.128	2.080		147.00	34.30	7.38	6.50	589.
77	5	4	700	10900.	.094	8.750	.077	1.360		135.00	33.40	7.26	6.20	581.
77	5	4	1300	12250.	.074	8.430	.120	2.060		237.00	29.60	7.13	14.40	517.
77	5	4	1900	15550.	.077	9.090	.068	2.470		301.00	29.70	7.09	14.90	502.
77	5	4	2040	18580.	.103	5.820	.045	1.100		101.00	29.70	7.09		539.
77	5	5	100	20140.	.076	8.940	.105	2.550		305.00	24.20	7.47	15.80	477.
77	5	5	700	21640.	.087	8.940	.107	2.290		294.00	24.40	7.22	15.60	479.
77	5	5	1300	23020.	.078	8.660	.066	2.550		320.00	24.80	7.58	15.60	479.
77	5	5	1900	23340.	.082	8.440	.106	2.920		308.00	24.40	7.63	16.80	469.
77	5	5	2015	26360.	.112	5.520	.049	1.790		183.00	27.80	7.34		501.
77	5	6	100	22660.	.074	8.320	.200	3.020		394.00	26.70	7.01	16.70	473.
77	5	6	700	22960.	.084	7.830	.109	2.950		332.00	25.60	7.15	15.70	480.
77	5	6	1300	20980.	.080	7.560	.114	3.410		386.00	25.60	7.17	16.60	479.
77	5	6	1705	22840.	.119	5.800	.057	2.590		156.00	25.60	7.69		479.
77	5	7	100	17720.	.081	7.510	.202	3.300		432.00	25.80	7.11	17.20	481.
77	5	7	700	16260.	.091	8.220	.130	2.860		323.00	27.00	7.09	14.20	497.
77	5	7	1300	15250.	.087	8.340	.184	2.740		273.00	28.20	7.37	12.50	509.
77	5	7	1900	13950.	.089	8.620	.248	2.910		213.00	29.70	7.28	10.60	523.
77	5	7	1920	15680.	.136	7.840	.045	1.520		316.00	30.80	7.34	11.60	537.
77	5	8	100	12650.	.085	8.630	.085	2.400		273.00	31.80	7.75	10.40	548.
77	5	8	700	11990.	.082	8.570	.639	2.210		236.00	31.70	7.04	9.30	554.
77	5	8	1300	10620.	.090	8.660	.061	1.990		206.00	31.70	7.63	8.90	550.
77	5	8	1345	11900.	.131	8.010	.046	1.260		89.70	30.50	8.72		538.
77	5	9	1900	9665.	.088	8.620	.085	2.140		325.00	31.90	7.29	11.30	546.
77	5	9	100	9094.	.081	8.820	.117	2.770		219.00	32.10	7.58	9.20	553.
77	5	9	700	7842.	.085	9.100	.125	2.110		63.40	32.70	7.36	6.90	551.
77	5	9	1300	7205.	.082	8.260	.021	1.030		124.00	36.90	8.14	5.70	554.
77	5	9	1915	7600.	.125	9.080	.040	1.030		54.60	31.70	9.63		560.
77	5	10	1300	4884.	.085	8.110	.032	1.700		123.00	38.40	7.82	5.00	571.
77	5	10	1330	5720.	.125	9.170	.032	1.700		39.30	31.30	8.14		570.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	24	100	52600.										
77	4	24	700	56770.										
77	4	24	1245	62200.										
77	4	24	1300	56950.										
77	4	24	1900	56950.										
77	4	25	106	55050.										
77	4	25	700	52600.										
77	4	25	1300	48800.										
77	4	25	1825	50260.										
77	4	25	1900	48900.										
77	4	26	180	48800.										
77	4	26	700	32900.										
77	4	26	1205	33800.										
77	4	26	1206	33800.										
77	4	26	1300	32900.										
77	4	26	1900	32900.										
77	4	26	2150	30140.										
77	4	27	100	26700.										
77	4	27	763	26700.										
77	4	27	1300	20700.										
77	4	27	1900	25700.										
77	4	27	1945	20320.										
77	4	28	106	13200.										
77	4	28	700	13200.										
77	4	28	1300	13200.										
77	4	28	1840	12900.										
77	4	28	1900	13200.										
77	4	29	100	2170.										
77	4	29	703	2170.										
77	4	29	1300	2170.										
77	4	29	1721	15100.										
77	4	30	1301	7980.										
77	4	30	1321	2216.										
77	5	1	1301	6660.										
77	5	1	2033	7440.										
77	5	2	701	5792.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO AIDE MG/L	S102 MG/L	IRON MG/L	COND 25C. UMHO
77	5 10 1331	5720.	.266		5.340	.108		.930		25.50	50.50	6.17		565.
77	5 10 1935	5190.	.281		6.870	.107		.970		31.50	50.30	7.11		563.
77	5 11 1300	4296.	.318	.078	7.410	.024				132.00	42.50	7.18	4.60	592.
77	5 12 1300	3507.	.295	.079	7.370	.046				113.00	40.90	6.06	3.00	591.
77	5 12 1930	3990.	.181		6.110	.112		.700		18.50	53.70	8.35		583.
77	5 13 1300	2906.	.305	.072	7.110	.040				103.00	39.60	7.46	4.00	600.
77	5 13 1800	3260.	.193		5.500	.085		1.380		23.10	52.00	7.26		597.
77	5 14 1300	1974.	.303		6.950	.081				111.00	37.80	7.41	3.90	600.
77	5 14 1400	2142.	.137		5.280	.098		.780		19.30	53.70	7.54		601.
77	5 15 1300	2190.	.289	.047	6.810	.112				81.30	39.00	6.40	3.50	614.
77	5 16 700	1927.	.286	.052	6.700	.046				107.00	41.70	6.01	3.70	610.
77	5 16 1300	1648.	.182		5.290	.089		.600		18.20	52.90	6.61		607.
77	5 16 1300	1648.	.351	.090	5.000	.038				168.00	46.10	2.61	4.30	613.
77	5 17 1300	1528.	.267	.083	5.140	.049				107.00	44.70	2.55	3.30	616.
77	5 17 1915	1881.	.080		4.820	.093		.880		25.00	53.90	5.03		567.
77	5 18 1300	1480.	.317	.080	4.440	.058				160.00	47.80	1.55	4.10	580.
77	5 18 1910	1904.	.064		4.400	.109		.640		9.90	56.60	4.59		547.
77	5 19 1300	1120.	.301	.056	4.600	.031				145.00	44.20	1.49	4.10	584.
77	5 19 1940	1200.	.050		4.340	.103		.790		13.30	56.30	5.59		550.
77	5 20 1300	1220.	.232	.065	4.300	.100				92.60	45.40	1.30	2.70	589.
77	5 20 1930	1320.	.042		4.470	.047		1.170		10.40	48.30	3.51		553.
77	5 21 1300	1042.	.493	.081	4.060	.067				226.00	48.10	1.25	6.00	610.
77	5 21 1910	1060.	.038		4.260	.069		1.000		7.10	49.00	3.99		593.
77	5 22 1300	1006.	.491	.060	4.040	.040				329.00	45.90	1.34	8.50	607.
77	5 22 2010	1340.	.022		4.050	.087		.570		10.60	49.90	3.99		578.
77	5 23 700	1006.	.282	.054	3.860	.028				152.00	46.80	1.14	4.40	622.
77	5 23 1300	952.	.022	.087	4.190	.047		1.130		193.00	44.10	2.49	5.60	563.
77	5 23 1445	980.	.184		4.250	.067		.450		17.50	40.10	2.77		547.
77	5 23 1446	980.	.035		3.070	.302		.747		21.20	81.80	5.44		557.
77	5 23 1935	1024.	.257		2.810	.151		.960		10.50	72.00	4.56		569.
77	5 24 1300	934.	.040	.076	3.590	.085				93.30	47.70	2.68	3.10	572.
77	5 24 2110	1042.	.167		3.110	.181		.840		14.50	63.90	3.98		503.
77	5 25 1300	970.	.045	.092	3.000	.077		.700		51.40	55.20	1.84	2.10	576.
77	5 25 2010	760.	.203		3.570	.085				20.30	53.30	2.87		508.
77	5 26 1300	812.	.048	.095	2.780	.086		.690		66.20	57.00	1.64	2.30	573.
77	5 26 2115	605.	.048		2.650	.199				17.70	71.50	4.87		571.

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM

: MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	5	27	1300	916.	0.170	0.109				53.90	62.00	1.90	1.80	555.
77	5	27	2015	760.	0.065			0.820		18.90	71.80	4.53		562.
77	5	28	1300	898.	0.212	0.113				79.80	62.70	1.98	2.50	557.
77	5	28	1600	829.	0.077			0.710		18.40	44.30	1.42		544.
77	5	29	1300	529.	0.355	0.097				152.00	61.30	1.91	4.60	564.
77	5	29	2000	420.	0.080			0.710		18.70	46.20	2.60		559.
77	5	30	700	605.	0.261	0.114		1.610		92.20	64.80	2.10	2.80	567.
77	5	30	1130	760.	0.120			0.840		28.70	45.20	1.73		555.
77	5	31	1300	635.	0.385	0.113		3.403		149.00	44.80	1.45	3.80	566.
77	5	31	1920	760.	0.101			1.200		11.10	47.70	1.39		534.
77	6	1	1300	498.	0.311	0.079				134.00	45.30	1.14	3.30	562.
77	6	2	1300	305.	0.261	0.050				66.90	46.30	1.09	2.00	569.
77	6	2	2000	392.	0.121			1.170		13.30	46.40	2.51		550.
77	6	3	1300	379.	0.267	0.031				81.00	46.50	1.03	2.30	575.
77	6	3	1950	451.	0.115			1.510		7.00	46.30	2.29		516.
77	6	4	1300	404.	0.266					80.20	47.10	0.74	2.10	554.
77	6	4	1915	605.	0.144	0.1915		1.020		21.00	69.70	5.26		529.
77	6	5	1300	529.	0.275					85.10	45.70	0.49	2.30	547.
77	6	5	1320	529.	0.144			1.230		16.50	64.90	4.74		540.
77	6	6	700	404.	0.298			2.240		84.20	46.50	0.75	2.30	547.
77	6	6	1300	605.	0.267	0.159		1.350		89.30	60.70	1.07	0.80	548.
77	6	6	1810	605.	0.160			1.160		31.70	46.00	2.87		543.
77	6	7	1300	354.	0.306	0.139				10.00	57.30	0.87	1.00	550.
77	6	7	1750	420.	0.141			1.020		14.00	47.00	1.68		538.
77	6	8	1300	330.	0.335	0.136				100.00	58.40	0.64	1.60	558.
77	6	8	1810	354.	0.147			1.150		13.90	46.00	2.03		523.
77	6	9	1300	649.	0.291	0.149				78.60	59.90	0.88	0.60	560.
77	6	9	1945	560.	0.190			2.070		44.80	47.40	1.38		547.
77	6	10	1300	649.	0.309	0.127				110.00	58.80	1.10	2.60	550.
77	6	10	2020	679.	0.182			1.110		38.70	47.70	2.48		548.
77	6	11	1300	694.	0.283	0.148				100.00	60.50	1.03	2.30	555.
77	6	11	1350	726.	0.178			1.060		35.90	47.80	2.01		551.
77	6	12	1300	934.	0.330	0.141				92.20	59.80	0.94	2.30	582.
77	6	13	700	880.	0.272	0.125		2.080		75.30	58.60	0.93	2.00	609.
77	6	13	1120	934.	0.207			1.100		69.50	48.90	1.18		590.
77	6	13	1300	898.	0.261	0.154		1.520		82.90	62.90	0.59	2.20	610.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	6 14 1300	988.	.381	.160	.570	.041				114.00	65.30	.65	2.88	628.
77	6 14 1845	970.	.175		.780	.009		1.020		44.80	52.70	1.74		607.
77	6 15 1300	888.	.264	.158	.590	.118				78.90	63.48	.78	1.28	637.
77	6 15 1858	829.	.189		.680	.021		1.510		34.20	53.18	2.23		601.
77	6 16 1300	829.	.273	.154	.458	.181				90.70	63.70	1.88	1.28	614.
77	6 16 1838	888.	.188		.300	.320		1.460		22.90	54.10	.25		588.
77	6 17 1300	863.	.344	.151	.370	.240				114.00	64.30	1.45	2.50	580.
77	6 17 1950	1886.	.206			.354		1.860		35.40	53.90	1.68		591.
77	6 18 915	1024.	.220		.200	.313		1.330		58.60	53.80	.65		599.
77	6 18 1300	1068.	.363	.121	.280	.145				134.00	61.70	1.39	3.00	610.
77	6 19 1300	888.	.350	.116	.330	.198				97.50	63.30	.58	2.18	614.
77	6 19 1305	898.	.282		.170	.274		1.040		40.00	54.00	.68		593.
77	6 20 700	628.	.376	.139	.340	.070		2.360		106.00	64.80	1.15	2.70	648.
77	6 20 1300	694.	.442	.159	.440	.196				109.00	64.70	.71	2.00	670.
77	6 20 1825	1024.	.281		.038	.266		1.640		41.80	58.80	1.77		654.
77	6 21 1300	466.	.434	.123	.690	.478				181.00	60.68	.97	1.20	658.
77	6 21 2820	628.	.199		.018	.410		2.160		32.60	58.40	1.78		628.
77	6 22 1300	598.	.384	.129	.720	.192				92.30	62.60	.69	1.70	638.
77	6 22 1330	544.	.187			.232		2.170		39.90	56.50	.22		593.
77	6 22 1331	544.	.223			.213		1.960		44.40	55.30	.31		589.
77	6 22 1805	513.	.160			.355		2.080		26.60	56.70	3.71		585.
77	6 23 1300	529.	.385	.016	.150	.419				97.00	58.00	.72	1.20	621.
77	6 23 1440	529.	.173	.018		.255		1.880		30.20	55.70	7.73		584.
77	6 23 1441	529.	.286	.124	.880	.035		1.080		17.60	55.10	4.19		603.
77	6 23 2135	435.	.188	.121	.950	.049		.730		30.70	57.70	2.90		589.
77	6 24 1210	428.	.163	.113	.760	.019		.760		12.50	57.30	3.77		612.
77	6 24 1300	484.	.394	.062	.060	.276				96.40	58.30	.32	1.70	619.
77	6 25 1300	451.	.333	.113	.190	.150				72.10	63.00	.94	1.40	628.
77	6 26 1300	305.	.364	.103	.150	.162				69.00	61.00	.79	1.40	649.
77	6 27 700	466.	.345	.083	.130	.065				86.30	61.00	.78	1.20	664.
77	6 27 1300	466.	.360	.144	2.660	.053				85.70	57.70	1.77	2.20	634.
77	6 27 2105	379.	.193	.127	.580	.011		.710		28.60	59.20	5.15	3.80	656.
77	6 28 1303	934.	.443	.108	8.070	.072				130.00	55.00	4.07		671.
77	6 28 1835	1326.	.389	.205	.930	.015		.920		97.60	56.20	5.77	2.70	661.
77	6 29 1300	1988.	.415	.130	7.260	.130				68.60	61.30	5.20		688.
77	6 29 1910	1436.	.336	.199	.440	.010		.650						

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

USGS NO. 04193490

LOCATION W/CODE : NEAR WATERVILLE, OHIO

SAMPLING DATE		TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C. UMHO
YR	MO	DAY	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
77	6	30	1300	.382	.124	2.800	.191				88.60	59.00	1.80	2.50	672.
77	6	30	1900	.393	.120	5.360	.190				106.00	57.30	3.69	3.00	665.
77	7	1	100	.430	.107	7.330	.128				133.00	56.30	3.86	3.80	666.
77	7	1	700	.414	.117	5.720	.169				138.00	56.40	3.10	4.20	656.
77	7	1	1300	.442	.099	8.470	.130				179.00	55.10	14.10	5.40	653.
77	7	1	1900	.547	.099	9.290	.172				262.00	54.40	10.10	8.00	666.
77	7	1	2035	.365	.194	1.500	.022		1.130		92.40	61.70	3.74		683.
77	7	2	100	.721	.097	8.720	.158				432.00	52.90	9.59	15.00	617.
77	7	2	700	.777	.106	8.790	.254				415.00	52.20	11.80	15.40	621.
77	7	2	1300	.769	.103	8.550	.193				412.00	50.90	4.35	14.70	613.
77	7	2	1900	.811	.095	8.130	.177				453.00	49.90	4.16	15.30	641.
77	7	2	2125	.458	.168	1.530	.022		1.950		174.00	50.70	7.56		656.
77	7	3	100	.933	.095	8.580	.171				604.00	48.50	4.80	19.70	574.
77	7	3	700	1.020	.101	6.730	.251				825.00	34.50	5.14	26.60	507.
77	7	3	1300	.829	.091	6.720	.235		1.570		596.00	33.20	5.25	22.50	494.
77	7	3	1745	.507	.116	6.750	.030				327.00	35.20	9.10		506.
77	7	3	1900	.649	.081	7.150	.161				450.00	36.30	5.97	17.10	521.
77	7	4	100	.530	.064	6.420	.245				397.00	44.90	5.46	13.30	554.
77	7	4	700	.687	.075	6.620	.210				332.00	41.70	5.74	11.70	538.
77	7	4	1055	.393	.124	6.640	.036		1.230		213.00	42.10	8.00	14.40	543.
77	7	5	1300	.782	.153	6.680	.012		3.990		434.00	41.90	5.65	9.10	576.
77	7	5	1900	.537	.135	6.870	.017				265.00	43.00	7.15	9.10	578.
77	7	5	2030	.341	.140	6.710	.043		1.360		124.00	43.40	6.49	9.50	571.
77	7	6	100	.557	.130	7.450	.036				274.00	42.70	7.84	8.20	571.
77	7	6	700	.491	.124	7.440	.019				223.00	42.50	6.26	7.10	564.
77	7	6	1300	.413	.121	7.650	.033				188.00	41.90	6.18	7.40	562.
77	7	6	1900	.355	.117	7.790	.031		1.060		198.00	41.20	6.20	8.66	554.
77	7	6	2310	.304	.129	7.760	.021				116.00	40.90	8.66	7.70	564.
77	7	7	100	.420	.118	7.830	.020				211.00	41.20	6.26	7.70	564.
77	7	7	700	.425	.110	7.730	.034				230.00	41.50	6.55	8.00	561.
77	7	7	1300	.463	.109	7.770	.047				268.00	41.60	6.47	8.00	552.
77	7	7	2010	.303	.132	8.040	.012		1.220		131.00	40.00	7.56		535.
77	7	8	1045	.323	.131	8.170	.014		1.300		92.70	39.20	6.40		525.
77	7	8	1300	.371	.103	7.800	.065				148.00	42.20	6.22	6.80	529.
77	7	8	1046	.319	.130	8.190	.020		1.480		104.00	39.60	10.70		525.
77	7	9	1300	.409	.106	7.980	.049				188.00	40.70	6.17	7.30	519.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193490

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL NIT. MG/L	COD MG/L	SUSPENDED SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY												
77	7	9	2240	1000.	.333	.132	7.960	.016	1.000	70.30	30.50	6.45		519.
77	7	10	1300	1000.	.411	.104	8.190	.050		150.00	39.50	6.20	7.40	520.
77	7	10	2104	900.	.302	.140	8.200	.019	1.000	121.00	37.20	8.21		517.
77	7	11	1300	1000.	.300	.100	8.650	.069		143.00	37.90	6.77	6.70	513.
77	7	11	2245	1000.	.319	.139	8.430	.024	1.160	103.00	36.30	7.50		512.
77	7	12	700	916.	.329	.091	8.590	.002	1.670	105.00	37.60	6.17	5.50	512.
77	7	12	2315	1042.	.299	.124	8.300	.060	.970	74.00	35.30	6.09		514.
77	7	13	2330	898.	.263	.127	8.300	.010	1.250	87.00	34.70	7.51		514.
77	7	14	2240	1000.	.260	.124	8.290	.012	1.050	62.30	34.40	7.10		513.
77	7	15	2145	812.	.243	.119	8.130	.015	.908	60.30	34.30	7.67		515.
77	7	16	1815	743.	.230	.123	7.910	.013	1.610	60.50	34.00	8.18		516.
77	7	17	1945	664.	.226	.120	7.600	.036	.970	49.30	34.00	7.53		513.
77	7	18	2240	620.	.193	.106	7.290	.022	1.150	42.70	35.00	8.02		531.
77	7	19	2305	726.	.180	.095	6.950	.010	1.150	45.60	36.10	6.63		534.
77	7	20	2005	777.	.165	.085	6.760	.036	1.160	61.80	36.70	5.30		514.
77	7	21	2320	1392.	.218	.097	6.400	.654	1.110	74.40	37.50	7.00		509.
77	7	25	1415	679.	.206	.129	5.290	.016	1.030	36.30	37.10	5.07		535.
77	7	25	1416	679.	.229	.140	5.790		1.600	52.20	28.90			500.
77	7	25	2045	620.					1.200		31.60			
77	7	27	2355	451.					1.190		35.90			
77	7	28	2030	404.					.940		37.20			
77	7	29	2315	392.	.144	.077	4.100	.010	1.050	29.40	30.10			526.
77	7	30	2010	379.	.130	.067	3.620		1.190	28.50	30.90			557.
77	7	31	2120	529.	.183	.081	3.500		1.030	62.20	39.50			548.
77	8	1	2050	350.	.156	.074	3.220		.920	34.40	39.00			553.
77	8	3	2120	100.	.139	.071	2.710	.020	1.000	32.70	40.90			561.
77	8	4	2100	190.	.142	.066	2.450		1.040	27.10	41.70			556.
77	8	5	2110	270.	.177	.079	2.350		1.360	44.40	41.30			563.
77	8	6	2010	2215.	.232	.086	2.000	.043	1.500	75.50	39.70			556.
77	8	7	1235	1600.	.199	.087	2.240		1.220	53.60	40.50			579.
77	8	8	2025	1050.	.200	.087	2.130		1.340	56.90	40.90			565.
77	8	9	2135	1927.	.222	.099	2.020	.010	1.000	65.30	44.50			507.
77	8	10	1230	1035.	.239	.104	2.020	.042	1.330	70.70	43.10			569.
77	8	10	1231	1035.	.263	.134	2.140	.015	1.500	63.00	42.70	2.44		590.
77	8	10	1040	1050.	.229	.127	2.130	.019	1.020	59.70	41.90	3.49		501.
77	8	12	2100	4605.	.262	.130	2.590	.036	1.440	70.60	30.40	4.06		578.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 04193498

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C.
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
77	8	13	1040	5156.	.263	.142	.142	2.500	.026	1.520	74.80	43.10	6.89	628.
77	8	15	1935	2575.	.261	.142	.142	2.620	.025	1.520	57.80	40.40	10.50	613.
77	8	16	2020	2166.	.239	.132	.132	2.190	.072	1.620	49.70	40.90	7.24	599.
77	8	17	1425	8992.	.363	.178	.178	1.980	.029	.567	184.00	49.20	4.52	659.
77	8	17	1818	2656.	.266	.149	.149	2.150	.087	1.490	54.60	37.30	6.58	576.
77	8	18	1840	12750.	.500	.209	.209	3.140	.028	1.690	151.00	40.10	7.58	536.
77	8	18	1945	2022.	.248	.284	.284	2.080	.154	1.430	40.20	45.90	7.78	614.
77	8	19	1740	1220.	.208	.126	.126	2.250	.020	.880	33.80	42.70	6.67	628.
77	8	19	2310	11608.	.455	.199	.199	3.250	.029	.790	118.00	35.20	8.41	497.
77	8	20	1850	988.	.187	.113	.113	2.160	.021	1.410	35.30	44.80	5.92	634.
77	8	20	2040	11950.	.432	.192	.192	3.460	.030	.743	113.00	35.60	8.33	499.
77	8	21	1135	1450.	.209	.128	.128	2.170	.013	1.310	37.40	44.70	7.15	627.
77	8	21	1915	18188.	.398	.175	.175	3.140	.027	2.100	119.00	34.70	8.23	469.
77	8	22	1725	1200.	.200	.113	.113	2.310	.036	1.140	43.40	45.50	5.31	624.
77	8	22	1726	1200.	.200	.115	.115	2.320	.036	1.260	39.00	45.50	5.59	628.
77	8	22	2128	7968.	.364	.176	.176	2.960	.025	1.230	101.00	35.40	8.39	473.
77	8	22	2140	1200.	.229	.155	.155	2.590	.022	.231	49.00	47.30	8.08	641.
77	8	23	1935	1148.	.281	.142	.142	2.590	.019	.966	48.70	49.00	6.41	663.
77	8	23	1950	6080.	.328	.163	.163	3.070	.023	1.070	89.80	32.80	8.53	492.
77	8	24	2035	1282.	.221	.146	.146	2.640	.026	.327	49.10	51.20	6.80	674.
77	8	25	1355	2602.	.315	.162	.162	3.140	.027	.735	74.90	32.40	9.10	580.
77	8	25	2220	1200.	.218	.159	.159	2.750	.027	1.270	47.80	51.30	9.04	672.
77	8	26	2005	1080.	.211	.152	.152	2.720	.017	1.350	42.90	52.10	6.59	672.
77	8	27	2020	988.	.197	.145	.145	2.640	.032	.447	43.00	50.80	6.47	659.
77	8	28	1840	863.	.195	.149	.149	2.520	.021	1.530	45.70	46.50	6.96	688.
77	8	29	2135	726.	.197	.146	.146	2.450	.019	.055	46.20	44.10	6.84	589.
77	8	30	2135	635.	.183	.128	.128	2.310	.017	.687	32.40	42.70	6.49	567.
77	8	31	2130	690.	.191	.136	.136	2.160	.041	.808	36.60	41.00	7.30	563.
77	9	1	2145	768.	.184	.123	.123	2.170	.042	.848	41.40	41.40	6.72	569.
77	9	2	2150	694.	.166	.114	.114	2.040	.041	1.160	32.40	41.20	6.28	563.
77	9	3	2105	575.	.137	.102	.102	1.770	.046	.840	30.30	42.30	5.28	951.
77	9	4	1910	575.	.131	.111	.111	1.680	.048	.765	24.20	43.30	4.76	511.
77	9	5	1950	898.	.161	.125	.125	1.570	.054	.799	48.60	43.70	5.01	544.
77	9	6	1955	598.	.151	.165	.165	1.550	.620	.923	37.70	45.80	5.99	573.
77	9	7	2215	560.	.169	.116	.116	1.580	.044	.882	48.80	44.50	7.41	604.
77	9	8	2130	498.	.162	.155	.155	1.350	.069	.848	45.80	45.00	5.86	597.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MAUMEE RIVER

STREAM : MAUMEE RIVER

LOCATION W/CODE : NEAR WATERVILLE, OHIO

USGS NO. 84193498

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	9	10	1930	620.										
77	9	11	1845	278.										
77	9	16	1600	5648.										
77	9	16	1601	5648.										
77	9	26	1500	1998.										
77	9	26	1501	1998.										
77	9	26	1850	2166.										
77	9	27	2025	1950.										
77	9	28	2020	1812.										
77	9	29	2250	1488.										
77	9	30	1640	1488.										
77	10	2	1310	1648.										
77	10	3	1855	1812.										
77	10	4	1815	1789.										
77	10	5	840	1743.										
77	10	6	1850	1326.										
77	10	7	2110	934.										
77	10	9	1900	2190.										
77	10	11	1910	2415.										
77	10	11	1905	2415.										
77	10	12	1545	2190.										

PORTAGE RIVER
AT
WOODVILLE, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
74 12 19 300	404.	.330		11.200					102.00				568.
74 12 19 900	373.	.250		10.200					59.40				578.
74 12 19 1500	321.	.240		10.800					43.40				583.
74 12 19 2100	272.	.260		10.400					50.90				605.
74 12 20 300	241.	.250		10.400					42.10				618.
74 12 20 900	202.	.210		10.200					38.60				634.
74 12 20 2100	161.	.190		10.200					30.10				644.
74 12 20 1500	202.	.200		10.100					31.40				648.
75 1 3 2000	422.	.333	.185	10.200					53.80		9.00		
75 1 4 400	354.	.234	.148	10.100					37.30	62.00	9.20		643.
75 1 4 1200	328.	.212	.110	9.800					35.80	62.00	8.60		663.
75 1 4 2000	303.	.214	.152	9.700					26.50	58.00	9.00		694.
75 1 5 400	277.	.216	.152	9.100					19.40	70.00	9.30		697.
75 1 5 1200	254.	.202	.149	8.700					20.80	92.00	8.90		753.
75 1 5 2000	215.	.194	.145	8.800					15.10	84.00	9.30		764.
75 1 6 400	208.	.184	.138	8.500					13.00	90.00	8.90		756.
75 1 6 1200	205.	.203	.155	7.900					13.50	88.00	9.40		631.
75 1 6 2000	178.	.207	.173	7.900					17.00	88.00	9.10		812.
75 1 7 400	185.	.207	.165	7.800					16.80	76.00	9.60		803.
75 1 7 1200	195.	.234	.186	7.900					15.70	74.00	8.80		611.
75 1 7 2000	205.	.333	.110	6.500					180.00	74.00	7.80		699.
75 1 8 400	277.	.648	.120	8.400					313.00	50.00	8.60		586.
75 1 8 1200	697.	.756	.128	8.500					380.00	51.00	8.70		567.
75 1 8 2000	2071.	.972	.088	9.100					625.00	39.00	8.60		473.
75 1 9 1500	3270.	.923	.080	9.400	.014				484.00	36.00	9.00		442.
75 1 9 1700	3300.	.660	.105	8.800	.195			30.00			7.90		
75 1 9 1900	3330.		.080	8.800	.111				437.00	24.00	7.90		416.
75 1 9 2100	3320.	.650	.105	8.600	.042						8.00		
75 1 9 2300	3280.							63.00					
75 1 10 100	3210.								330.00	24.00	8.00		414.
75 1 10 300	3100.		.077	8.600							8.00		
75 1 10 500	2976.	.570	.103	8.600	.264			54.00					
75 1 10 700	2848.								205.00	25.00	8.00		429.
75 1 10 900	2718.		.078	8.700							7.90		
75 1 10 1100	2606.	.550	.095	8.500	.106				195.00	25.00	8.00		447.
75 1 10 1500	2436.		.087	8.400									

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	1 10 1700	2366.	.490	.092	8.400	.075				143.00	27.00	8.00		443.
75	1 10 2100	2242.	.480	.104	8.500	.139				148.00	28.00	8.10		479.
75	1 11 300	2184.	.466	.090	8.600	.033				118.00	29.00	8.00		493.
75	1 11 500	2113.	.450	.100	8.600	.083				126.00	20.00	8.20		495.
75	1 11 900	2120.	.450	.082	8.600	.033				189.00	21.00	8.30		496.
75	1 11 1100	2113.	.450	.080	9.900	.090				182.00	22.00	8.40		494.
75	1 11 1300	2078.	.480	.080	9.700	.150				189.00	22.00	8.50		486.
75	1 11 1500	2057.	.480	.060	9.700	.070				267.00	22.00	8.40		489.
75	1 11 1700	2018.	.460	.075	9.600	.210				242.00	22.00	8.40		492.
75	1 11 1900	1978.	.480	.070	9.500	.040				218.00	24.00	8.40		507.
75	1 11 2100	1935.	.340	.070	9.700	.180				186.00	25.00	9.10		511.
75	1 12 100	1893.	.330	.085	9.600	.080				20.70	100.00	8.50		987.
75	1 12 300	1781.	.360	.090	9.500	.200					98.00	8.60		987.
75	1 12 500	1718.	.530	.110	9.400	.140					96.00			963.
75	1 12 700	1641.	.530	.105	9.300	.200				7.40	96.00			990.
75	1 12 900	1571.	.520	.090	9.200	.240					100.00			992.
75	1 12 1100	1496.	.510	.090	9.400	.060					98.00			972.
75	1 12 1300	1408.	.490	.090	9.500	.190					88.00			926.
75	1 12 1700	1224.	.460	.095	9.700	.130				24.00	100.00			1000.
75	1 12 1900	1116.	.440	.090	9.900	.180					90.00			913.
75	1 12 2300	947.	.280	.230	6.000	.760								
75	1 13 100	880.		.240	5.950	.480								
75	1 13 500	760.		.250	6.050	.480								
75	1 13 700	674.		.260	6.000	.590								
75	1 23 1400	68.		.270	5.650	.610								
75	1 23 2000	66.		.270	5.300	.480								
75	1 24 200	61.		.220	4.800	.390								
75	1 24 800	82.	.310	.270	5.450	.650								
75	1 24 1400	66.		.250	5.050	.560								
75	1 24 2000	64.		.270	5.050	.520								
75	1 25 200	74.		.270	5.050	.520								
75	1 25 800	78.		.250	4.950	.520								
75	1 25 1400	87.	.310	.200	4.950	.520								
75	1 25 2000	96.		.200	4.950	.520								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195580

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COO MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	1 26 200	111.		.240	5.300	.580					81.00			884.
75	1 26 800	137.	.300	.240	5.500	.600				7.10	66.00			889.
75	1 26 1400	139.	.260	.220	5.100	.510				11.30	84.00			
75	1 26 2000	149.	.250	.250	5.100	.640				10.20	93.00			899.
75	1 27 200	190.		.270	5.600	.620				10.90	80.00			849.
75	1 27 800	205.	.330	.260	5.600	.650				15.70	87.00			855.
75	1 27 1400	178.	.320	.260	5.450	.580				13.30	82.00			844.
75	1 27 2000	195.	.310	.260	5.450	.480				11.70	80.00			820.
75	1 28 200	157.	.300	.250	5.200	.440				11.10	78.00			802.
75	1 28 800	149.	.270	.240	4.700	.450				14.00	84.00			841.
75	1 28 1400	134.	.290	.230	5.100	.460				13.20	80.00			807.
75	1 28 2000	119.	.340	.230	5.000	.430				27.30	80.00			895.
75	1 29 200	141.	.300	.180	3.400	.330				108.00	100.00			807.
75	1 29 800	282.	.370	.160	4.750	.220				141.00	73.00			668.
75	1 29 1400	373.	.370	.210	5.050	.280		1.600	46.00	88.00	54.00			627.
75	1 29 1800	779.												
75	1 29 2000	1278.	.420	.210	5.900	.360				88.50	50.00			624.
75	1 29 2200	1795.	.710	.200	6.750	.432		2.600	68.00	294.00	64.00			542.
75	1 30 200	2382.						2.500	65.00					
75	1 30 400	2406.	.930	.105	7.950	.333				661.00	49.00			434.
75	1 30 600	2446.												
75	1 30 1000	2398.	.800	.095	8.680	.287		2.200	182.00	525.00	42.00			460.
75	1 30 1400	2200.						1.700	54.00					
75	1 30 1600	2085.	.720	.128	8.930	.267		1.700	58.00	335.00	43.00			408.
75	1 30 1800	1956.	.540	.110	9.030	.247		1.200	42.00	236.00	43.00			418.
75	1 30 2200	1732.						1.100	58.00					
75	1 31 200	1496.	.480	.120	9.220	.221			27.00	188.00	46.00			443.
75	1 31 400	1378.						1.100	34.00					
75	1 31 600	1260.	.400	.113	9.540	.207		1.000	34.00	150.00	50.00			476.
75	1 31 1000	1095.						.900	26.00					
75	1 31 1400	1000.							27.00					
75	1 31 1600	966.	.340	.100	9.900	.185				112.00	52.00			505.
75	1 31 2200	665.	.300	.120	10.000	.160				106.00	52.00			521.
75	2 1 400	770.	.290	.110	10.000	.155				91.60	54.00			530.
75	2 1 1000	767.	.210	.110	10.200	.155				48.80	57.00			557.
75	2 1 1500	665.	.230	.120	8.900	.200				41.30	29.50			599.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING TIME			FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHC
DATE	24:30	MRS.													
YR	MO	DAY													
75	2	1	1700	652.					.900	23.00					
75	2	1	2100	616.	.120	8.900	.240		.900	23.00					
75	2	2	100	569.					.900	22.00					
75	2	2	300	548.	.230	8.900	.310				48.10	30.00			618.
75	2	2	500	528.					.800	18.00					
75	2	2	900	489.	.130	9.000	.240								
75	2	2	1500	440.	.110	8.600	.170				35.30	33.00			655.
75	2	2	2100	398.	.130	8.700	.230								661.
75	2	3	300	364.	.140	8.700	.270				22.90	32.00			
75	2	3	900	337.	.150	8.500	.220				15.30	34.50			684.
75	2	3	1500	303.	.140	8.400	.240								
75	2	3	2100	277.	.140	8.200	.230				14.30	37.00			726.
75	2	4	300	260.	.150	8.000	.270								
75	2	4	900	254.	.170	8.200	.300								
75	2	4	1030	254.	.270	8.600	.230				16.70	55.00			714.
75	2	5	1030	241.	.280	8.300	.265				13.90	56.00	8.20		746.
75	2	6	1030	235.	.295	8.100	.285				10.60	64.00	8.45		726.
75	2	7	1030	212.	.310	7.600	.315				11.50	64.00	7.40		750.
75	2	8	1030	128.	.255	7.000	.330				7.40	79.00	7.70		834.
75	2	9	1030	132.	.285	7.300	.440				9.90	79.00	8.50		834.
75	2	14	2200	91.	.290	5.350	.415				38.60	82.00			976.
75	2	15	400	109.	.345	6.550	.770				12.60	72.50			925.
75	2	15	1000	99.	.320	6.000	.760				7.60	103.00			951.
75	2	15	1600	80.	.360	6.250	.595				29.00	100.00			1014.
75	2	15	2200	84.	.325	4.700	.550				13.30	107.00			1113.
75	2	16	400	88.	.290	4.950	.540				6.50	103.00			1047.
75	2	16	1000	82.	.290	4.200	.630				4.60	101.00			1007.
75	2	16	1600	84.	.260	4.300	.590				5.60	101.00			1009.
75	2	16	2200	91.	.360	5.500	.690				6.60	96.00			964.
75	2	17	400	99.	.400	5.400	.830				4.70	87.00			959.
75	2	17	1000	107.	.405	5.400	.920				7.40	100.00			1008.
75	2	17	1600	141.	.295	3.900	.430				38.70	98.00			920.
75	2	17	2200	277.	.300	5.600	.495				32.80	80.00			839.
75	2	18	400	548.	.340	6.100	.580				35.40	71.00			793.
75	2	18	1000	1384.	.660	7.000	.685				212.00	100.00			1014.
75	2	18	1750	1641.	.590	8.200					147.00	34.00			535.

AD-A079 652

CORPS OF ENGINEERS BUFFALO N Y BUFFALO DISTRICT
WATER QUALITY DATA FOR LAKE ERIE BASIN TRIBUTARY MOUTH SAMPLING--ETC(U)
DEC 78

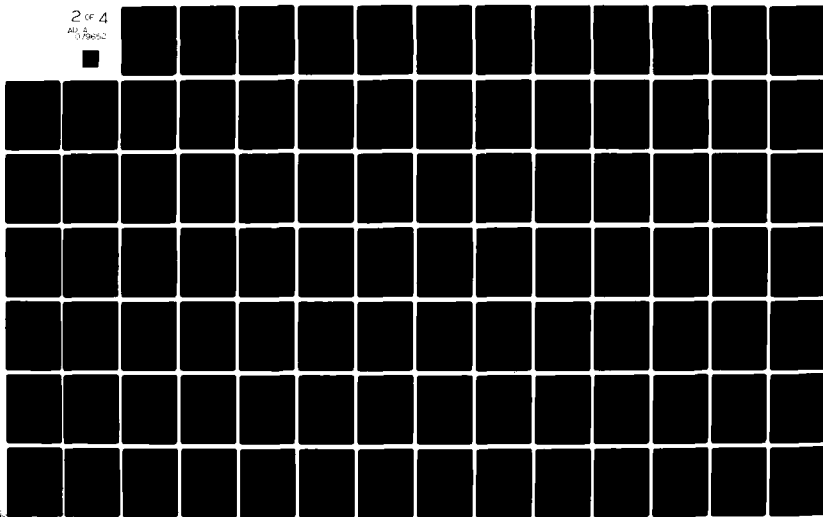
F/8 6/6

UNCLASSIFIED

NL

2 OF 4

AD-A079 652



LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	2 18	2300	1585.	.540	.140	8.080	.640			136.00	30.00			493.
75	2 19	500	1434.	.470	.140	8.400	.487			98.80	29.50			485.
75	2 19	1100	1218.	.370	.130	8.900	.460			64.80	30.00			504.
75	2 19	1700	1036.	.350	.110	9.200	.274			49.80	31.50			529.
75	2 19	2300	910.	.280	.110	9.600	.225			41.40	32.50			549.
75	2 20	500	814.	.260	.100	9.800	.181			59.80	33.50			566.
75	2 20	1100	770.	.240	.100	10.300	.205			48.60	34.50			585.
75	2 20	1700	740.	.240	.100	10.300	.240			37.00	35.50			591.
75	2 20	2300	679.	.240	.100	10.000	.170			37.30	36.50			602.
75	2 21	500	611.	.240	.110	10.800	.195			44.30	36.00			608.
75	2 21	1100	557.	.220	.100	9.800	.296			34.30	39.50			628.
75	2 21	1700	532.	.200	.100	9.600	.155			28.70	41.00			644.
75	2 21	2300	508.	.220	.110	9.700	.135			24.90	42.00			649.
75	2 22	500	489.	.220	.110	9.800	.258			32.50	39.50			647.
75	2 22	1100	493.	.240	.120	9.900	.185				41.00			656.
75	2 22	1700	524.	.240	.120	9.900	.525				40.00			657.
75	2 22	2300	629.	.300	.110	9.200	.160				44.50			646.
75	2 23	500	1042.	.330	.110	9.200	.123				38.50			603.
75	2 23	1100	2228.	.460	.110	11.000	.248				35.50			565.
75	2 23	1700	3160.	.670	.080	11.800	.143				32.00			534.
75	2 23	2300	3821.	.800	.040	11.400	.196				27.50			481.
75	2 24	500	4349.	.750	.250	10.800	.253				22.50			725.
75	2 24	700	4491.	.821	.085	11.800	.096			577.00	27.00			431.
75	2 24	1000	4678.				.600							
75	2 24	1100	4748.				1.100							
75	2 24	1300	4897.	.807	.097	11.300	.081			405.00	25.00			417.
75	2 24	1600	5100.	.798	.091	10.900	.071			422.00	23.00			401.
75	2 24	1900	5302.											
75	2 24	2200	5254.	.758	.083	10.600	.093			369.00	22.00			386.
75	2 25	100	5542.											
75	2 25	400	5530.	.674	.098	10.300	.085			318.00	22.00			382.
75	2 25	700	5446.											
75	2 25	1000	5458.	.594	.083	10.500	.135			254.00	20.00			398.
75	2 25	1300	4919.											
75	2 25	1600	4456.	.552	.097	10.100	.081			194.00	24.00			402.
75	2 25	1900	3865.											

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
YR	MO	DAY	HRS.											
75	2	25	2200	3270.				1.100	35.00	165.00	25.00			424.
75	2	26	100	2875.	.505	.095	.070	.500	23.00	140.00	28.00			453.
75	2	26	400	2518.	.428	.094	.076	.500	26.00	119.00	32.00			486.
75	2	26	700	2221.	.384	.112	.179	.500	24.00	103.00	36.00			514.
75	2	26	1000	1942.	.349	.102	.081	.700	27.00	105.00	37.00			527.
75	2	26	1300	1704.	.321	.109	.099	.800	23.00	93.90	39.00			551.
75	2	26	1600	629.	.285	.105	.093	.700	21.00	71.30	39.00			558.
75	2	26	1900	1332.	.274	.106	.123	.500		72.60	37.40			562.
75	2	26	2200	1200.	.249	.133	.193	.500		68.50	39.20			568.
75	2	27	100	1090.	.219	.105	.055	.500		61.80	43.80			594.
75	2	27	400	994.	.201	.106	.105	.500		54.60	43.80			599.
75	2	27	700	931.	.189	.125	.045	.700		52.10	41.20			603.
75	2	27	1000	865.	.195	.120	.185	.800		51.30	43.60			615.
75	2	27	1300	814.	.178	.137	.180	.700		42.60	46.40			624.
75	2	27	1445	784.	.162	.121	.143	.800		39.00	47.20			633.
75	2	27	2045	712.	.166	.136	.092	.700		37.60	48.20			644.
75	2	28	245	642.	.180	.160	.092	.800		29.70	50.00			662.
75	2	28	845	577.	.170	.155	.167	.700		30.60	52.40			680.
75	2	28	1445	516.	.153	.147	.195	.800		28.60	54.60			686.
75	2	28	2045	481.	.152	.134	.100	.700		25.00	52.10			693.
75	3	1	245	451.	.148	.130	.100	.800		18.20	58.00			671.
75	3	1	845	422.	.245	.159	.035	.700		15.00	68.00			744.
75	3	1	1445	387.	.265	.186	.195	.800		14.10	69.00			776.
75	3	1	2045	350.	.235	.151	.170	.700		10.10	67.00			778.
75	3	2	245	315.	.225	.146	.140	.800		11.90	62.00			775.
75	3	2	845	298.	.220	.156	.145	.700		12.80	61.00			745.
75	3	2	1445	263.	.280	.206	.195	.800		14.60	62.00			757.
75	3	2	2045	225.	.300	.207	.505	.700						
75	3	4	1115	182.	.290	.195	.265	.800						
75	3	4	2315	135.	.265	.186	.195	.700						
75	3	5	515	145.	.235	.151	.170	.800						
75	3	5	1115	151.	.225	.146	.140	.700						
75	3	5	1715	135.	.220	.156	.145	.800						
75	3	5	2315	112.	.280	.206	.195	.700						
75	3	6	515	125.	.300	.207	.505	.800						
75	3	6	1115	137.	.290	.195	.265	.700						

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJEL MG/L	COD MG/L	SUSPENDED SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	3 6 1715	137.	.285	.207	7.220	.405				10.30	62.00			757.
75	3 6 2315	138.	.286	.201	6.900	.265				11.30	66.00			778.
75	3 7 515	128.	.285	.205	6.240	.270				13.10	74.00			814.
75	3 7 1115	145.	.325	.254	6.500	.295				16.20	86.00			831.
75	3 7 1715	202.	.255	.151	5.740	.465				43.30	82.00			775.
75	3 7 2315	462.	.250	.138	6.840	.150				32.90	60.00			709.
75	3 8 515	1194.	.310	.160	6.940	.160				50.70	68.00			700.
75	3 8 1115	1532.	.415	.144	8.320	.475				134.00	62.00			665.
75	3 8 1715	1408.	.445	.102	9.700	1.000				217.00	49.00			581.
75	3 8 2315	1158.	.395	.081	10.000	.410				196.00	45.00			548.
75	3 9 515	936.	.335	.076	9.300	1.000				130.00	44.00			555.
75	3 9 1115	758.	.310	.106	9.940	.310				102.00	44.20			566.
75	3 9 1715	594.	.265	.097	9.740	.135				83.50	43.80			579.
75	3 9 2315	520.	.255	.100	9.600	.660				67.70	43.60			596.
75	3 10 515	481.	.235	.098	9.420	.240				54.80	47.00			609.
75	3 10 1115	437.	.225	.097	9.500	.080				33.80	47.50			628.
75	3 10 1230	426.	.210	.104	10.000					57.10	56.80	14.00		699.
75	3 11 1230	312.	.200	.130	9.950					22.40	45.00	5.00		679.
75	3 12 1230	241.	.210	.155	9.300					21.40	57.00	11.60		739.
75	3 13 1230	321.	.200	.145	9.000					15.20	61.00	11.30		759.
75	3 14 1230	277.	.190	.123	9.400					28.20	50.00	12.50		720.
75	3 15 1230	200.	.220	.158	9.500					18.10	61.00	10.90		744.
75	3 16 1230	246.	.280	.155	8.150					12.20	61.00	10.60		765.
75	3 17 630	292.	.230	.179	8.120					18.50	65.00	9.70		783.
75	3 18 1130	347.	.275	.158	8.100	.089				21.10	59.00	7.25		725.
75	3 19 1130	283.	.230	.167	7.900	.056				20.80	53.00	5.05		704.
75	3 20 1130	254.	.200	.142	7.600	.064				24.00	53.00	5.05		706.
75	3 21 1130	192.	.220	.127	7.400	.063				47.40	57.50	4.88		731.
75	3 22 1130	172.	.180	.107	6.650	.068				15.40	70.00	3.78		792.
75	3 23 1130	170.	.220	.149	6.600	.033				12.10	67.00	3.37		796.
75	3 24 1130	143.	.230	.145	5.940	.022				19.70	105.00	3.16		872.
75	3 25 1500	263.	.262	.200	6.600	.060				79.80	67.00	2.70		740.
75	3 25 2100	286.	.199	.180	6.030	.070				30.60	73.00	2.50		745.
75	3 26 300	277.	.181	.165	6.160	.060				28.10	73.50	3.00		751.
75	3 26 900	286.	.172	.170	6.250	.040				21.70	72.00	3.40		738.
75	3 26 1500	246.	.222	.220	6.200	.080				20.80	75.00	3.62		752.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 84195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	3 26 2100	212.	.272	.240	6.300	.050				28.70	69.00	3.89		739.
75	3 27 300	188.	.207	.180	5.980	.060				22.00	67.00	3.90		697.
75	3 27 900	170.	.192	.170	6.100	.030				33.30	75.00	4.00		776.
75	3 27 1500	157.	.223	.175	6.400	.040				47.30	74.00	3.82		769.
75	3 27 2100	147.	.201	.190	6.350	.060				15.20	68.00	4.50		729.
75	3 28 300	135.	.190	.165	5.800	.040				25.40	65.00	4.24		738.
75	3 28 900	128.	.170	.160	5.780	.040				16.30	79.00	4.05		804.
75	3 28 1500	130.	.335	.160	5.490	.030				144.00	83.00	4.05		813.
75	3 28 2100	128.	.191	.155	5.350	.030				12.50	85.00	4.43		826.
75	3 29 300	139.	.168	.150	5.400	.050				14.30	100.00	4.35		868.
75	3 29 900	157.	.130	.130	5.280	.030				12.50	105.00	4.95		860.
75	3 29 1500	220.	.139	.125	6.050	.020				14.90	92.00	4.20		832.
75	3 29 2100	582.	.129	.110	6.200	.010				28.10	72.00	3.80		753.
75	3 30 300	1236.	.378	.110	8.000	.080				158.00	66.30	5.45		693.
75	3 30 900	1272.	.482	.105	10.100	.120				251.00	55.00	7.40		685.
75	3 30 1500	1122.	.400	.085	10.100	.030				198.00	49.00	7.40		581.
75	3 30 2100	926.	.400	.100	9.600	.060				142.00	49.00	7.36		589.
75	3 31 300	755.	.310	.100	9.550	.070				127.00	50.00	7.50		598.
75	3 31 900	624.	.249	.095	9.700	.060				86.40	52.00	7.40		620.
75	3 31 1500	528.	.184	.090	9.700	.030				54.40	50.00	7.40		624.
75	3 31 2100	447.	.191	.100	9.600	.020				58.60	50.00	7.35		634.
75	4 1 300	401.	.133	.100	9.150	.070				41.80	56.00	7.15		662.
75	4 1 900	367.	.125	.090	9.000	.040				27.80	57.00	6.95		675.
75	4 1 1700	321.		.115	10.000	.105				27.20	76.00			656.
75	4 2 1700	244.		.100	9.900	.050				18.10	83.00			712.
75	4 3 1700	233.		.115	9.700	.050				18.60	101.00			754.
75	4 4 1700	208.		.140	9.300	.150				9.20	96.00			744.
75	4 5 1700	174.		.130	7.800	.105				8.20	103.00			787.
75	4 6 1700	149.		.175	7.500	.160				8.60	102.00			781.
75	4 7 1700	132.		.185	3.200	.050				5.80	104.00			785.
75	4 8 1130	125.	.240	.090	5.250	.220					78.00	2.75		782.
75	4 15 530	78.	.370	.100	5.750	.100					88.00	4.55		804.
75	4 15 1800	78.	.400	.280	5.400	.105				8.40	111.00	5.60		837.
75	4 16 1800	84.	.440	.350	4.900	.160				6.10	113.00	4.40		828.
75	4 17 1800	84.	.460	.340	4.950	.120				5.80	115.00	4.10		838.
75	4 18 1800	98.	.420	.310	6.200	.070				29.80	129.00	3.90		838.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	CONC. 25C. UMHO
75	4 19	1800	.385	.175	6.700	.060				26.30	94.80			752.
75	4 20	1800	.285	.175	6.700	.060				19.50	113.00	7.90		799.
75	4 21	1800	.265	.265	6.450	.190				12.70	109.00	7.80		765.
75	4 22	1308	.212	.160	6.900	.165				20.00	94.00	10.20		761.
75	4 23	1300	.238	.160	6.100	.095				19.60	94.00	6.70		764.
75	4 24	1300	.265	.160	5.500	.070				27.10	97.00	6.60		775.
75	4 25	1300	.240	.140	5.500	.030				27.80	96.00	6.40		765.
75	4 26	1300	.190	.120	8.600	.060				26.60	76.00	10.60		695.
75	4 27	1300	.190	.140	7.900	.040				14.20	79.00	8.70		728.
75	4 28	1300	.212	.140	6.200	.030				13.00	103.00	8.40		763.
75	4 29	700	.169	.140	5.800	.025				23.50	112.00	7.40		834.
75	4 30	1200		.197	6.100	.092				21.40		4.90		792.
75	5 1	1200		.150	7.400	.141				10.90		3.00		776.
75	5 2	1200		.158	8.400	.045				32.30		5.30		722.
75	5 3	1200		.154	8.400	.073				25.40		7.60		697.
75	5 4	1200		.114	7.200	.073				16.60		6.70		706.
75	5 5	1200		.126	6.900	.072				15.10		5.20		755.
75	5 6	600		.070	5.800	.033				30.60		4.30		749.
75	5 6	1630	.290	.152	7.910	.023				49.50	48.00	4.00		769.
75	5 6	1630	.430	.177	8.290	.097				125.00	43.00	8.70		690.
75	5 7	430	.790	.132	12.600	.037				466.00	29.50	9.30		667.
75	5 7	1630	.548	.112	13.300	.023				294.80	27.00	12.40		543.
75	5 8	1630	.319	.126	13.800	.040				212.00	20.00	12.60		515.
75	5 9	1630	.374	.114	12.100	.019					20.00	13.10		516.
75	5 10	1630	.435	.095	12.600	.015				60.20	30.00	13.00		557.
75	5 11	1630	.543	.134	11.500	.032				63.20	31.50	13.00		587.
75	5 12	1630	.196	.125	11.000	.007				33.60	35.00	12.30		626.
75	5 15	1200	.388	.101	3.850	.300				29.20	36.00	12.00		640.
75	5 16	1200	.323	.164	5.310	.511				18.80	69.00	5.75		745.
75	5 17	1200	.325	.211	4.840	.101				19.90	73.00	2.16		762.
75	5 18	1200	.242	.162	3.910	.133				11.30	77.00	4.26		768.
75	5 19	1200	.258	.146	4.220	.094				100.00	100.00	5.39		901.
75	5 20	1200	.281	.148	3.600	.272				12.40	87.00	3.59		824.
75	5 20	1230	.346	.186	3.920	.065				19.30	92.00	1.95		823.
75	5 20	1030	.336	.229	3.670	.200				20.40	100.00	5.86		793.
75	5 20	1030								16.80	103.00	6.24		795.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM

: PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	5 21	30	.365	.233	3.540	.095				21.00	100.00	5.87		810.
75	5 21	98.	.357	.238	3.280	.930				16.20	106.00	6.73		813.
75	5 21	1230	.365	.238	3.140	.115				17.40	103.00	5.56		830.
75	5 21	1831	.390	.222	3.280	.235				30.40	105.00	6.43		809.
75	5 22	30	.365	.217	3.120	.085				31.90	102.00	5.66		781.
75	5 22	630	.584	.171	3.596	.075				362.00	85.00	6.93		706.
75	5 22	2184.	1.720	.046	5.350	.205				2353.00	39.00	9.83		395.
75	5 22	1830	1.320	.083	7.910	.268				1489.00	37.00	10.50		400.
75	5 23	30	1.160	.098	9.710	.235				1202.00	36.00	12.50		398.
75	5 23	630	.963	.098	10.600	.225				949.00	35.50	13.50		406.
75	5 23	1230	.869	.041	11.000	.270				781.00	34.00	13.90		402.
75	5 23	1830	.701	.077	11.300	.180				500.00	37.00	13.50		414.
75	5 24	30	.553	.129	11.400	.170				353.00	39.00	14.20		437.
75	5 24	630	.484	.139	11.300	.123				257.00	43.00	14.40		470.
75	5 24	1230	.464	.072	11.500	.112				200.00	44.00	14.60		501.
75	5 24	1830	.508	.124	11.300	.115				267.00	46.00	14.40		514.
75	5 25	30	.574	.093	10.800	.040				352.00	45.00	14.40		510.
75	5 25	630	.663	.103	9.900	.070				447.00	46.00	14.50		498.
75	5 25	1230	.568	.109	9.950	.055				326.00	47.00	14.40		515.
75	5 25	1830	.474	.072	10.000	.190				223.00	51.00	13.90		544.
75	5 26	30	.410	.119	9.800	.060				174.00	54.00	15.40		573.
75	5 26	630	.434	.116	9.640	.050				157.00	57.00	15.40		597.
75	5 26	1230	.417	.143	9.660	.058				145.00	59.00	14.70		617.
75	5 26	1830	.385	.155	9.200	.187				117.00	61.00	14.80		630.
75	5 27	30	.395	.163	9.260	.100				105.00	63.00	15.00		643.
75	5 27	630	.385	.186	8.730	.114				104.00	66.00	14.10		654.
75	5 27	1200	.779	.180	9.180	.040				90.10	82.00	17.30		599.
75	5 27	1800	.466	.185	8.600	.040				71.60	65.00	16.90		639.
75	5 27	2400	.351	.190	8.550	.070				74.60	88.00	16.40		633.
75	5 28	600	.337	.186	7.950	.030				75.90	77.00	16.20		679.
75	5 28	1200	.356	.208	8.570	.280				75.60	90.00	16.20		644.
75	5 28	1800	.292	.202	8.000	.040				57.50	100.00	16.50		675.
75	5 28	2400	.347	.225	8.100	.040				45.10	71.00	16.20		681.
75	5 29	600	.337	.230	7.700	.030				54.20	102.00	15.40		689.
75	5 29	1200	.337	.236	7.400	.090				35.20	83.00	15.40		731.
75	5 29	1800	.359	.240	7.050	.090				39.50	120.00	14.80		732.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COO	SUSPEND SOLIDS	CHLORIDE	SIO2	IRON	COND 25C.
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
75	5	29	2400	107.	.376	.260	.070	7.300	.084	46.00	77.00	15.20		709.
75	5	30	600	118.	.389	.259	.084	7.550	.110	48.40	117.00	15.60		725.
75	5	30	1200	111.	.383	.248	.110	6.870	.110	34.40	90.00	14.00		750.
75	5	30	1800	109.	.383	.258	.080	6.250	.080	35.20	120.00	15.60		743.
75	5	30	2400	104.	.364	.250	.070	6.200	.070	40.60	102.00	15.00		785.
75	5	31	600	111.	.371	.263	.062	5.950	.062	40.80	141.00	12.90		798.
75	5	31	1200	96.	.385	.260	.056	6.250	.056	38.90	96.00	13.60		774.
75	5	31	1800	106.	.516	.370	.040	5.870	.040	35.00	134.00	12.30		764.
75	5	31	2400	94.	.430	.290	.040	5.700	.040	41.60	110.00	11.80		815.
75	6	1	600	101.	.425	.280	.048	5.450	.048	41.00	149.00	13.10		812.
75	6	1	1200	90.	.453	.320	.058	5.330	.058	39.10	107.00	12.30		791.
75	6	1	1800	94.	.398	.284	.034	5.400	.034	27.00	143.00	12.30		781.
75	6	1	2400	85.	.401	.260	.030	5.430	.030	46.50	112.00	12.50		626.
75	6	2	600	94.	.382	.275	.050	5.230	.050	43.10	153.00	11.40		834.
75	6	2	1200	78.	.457	.300	.061	5.600	.061	55.90	185.00	10.50		805.
75	6	2	1545	88.	.385	.368	.090	5.150	.090	41.40	81.00	11.10		791.
75	6	2	2145	85.	.362	.316	.367	4.900	.367	42.20	76.00	7.70		796.
75	6	3	345	82.	.353	.295	.209	4.660	.209	48.80	86.00	10.30		839.
75	6	3	945	78.	.537	.400	.203	5.000	.203	30.60	78.00	12.70		815.
75	6	3	1545	81.	.552	.552	.226	4.440	.226	30.70	90.00	10.20		835.
75	6	3	2145	238.	.506	.462	.238	5.000	.238	39.50	69.00	10.40		762.
75	6	4	345	466.	.734	.545	2.000	5.070	2.000	129.00	64.00	7.30		743.
75	6	4	945	387.	.492	.260	.141	5.560	.141	179.00	48.00	11.30		633.
75	6	4	1545	354.	.577	.312	.138	6.600	.138	227.00	49.00	11.60		598.
75	6	4	2145	337.	.546	.252	.211	7.800	.211	237.00	41.00	12.00		563.
75	6	5	345	331.	.555	.273	.149	8.340	.149	221.00	48.00	11.30		604.
75	6	5	945	401.	.519	.252	.173	9.030	.173	198.00	48.00	12.00		601.
75	6	5	1545	594.	.474	.222	.138	9.400	.138	197.00	47.00	12.00		610.
75	6	5	2145	794.	.542	.208	.129	12.600	.129	281.00	46.00	13.20		634.
75	6	6	345	1266.	.510	.172	.120	14.400	.120	265.00	45.00	13.50		653.
75	6	6	945	1372.	.747	.143	.120	14.400	.120	555.00	37.50	13.80		585.
75	6	6	1545	1188.	.703	.132	.135	16.000	.135	518.00	34.00	14.20		564.
75	6	6	2145	976.	.533	.121	.584	16.800	.584	324.00	35.00	13.50		585.
75	6	7	345	799.	.421	.120	.086	16.200	.086	234.00	40.00	14.80		618.
75	6	7	945	647.	.385	.130	.114	16.300	.114	192.00	39.50	15.20		633.
75	6	7	1545	532.	.362	.132	.083	15.900	.083	166.00	41.00	14.90		644.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM :

PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	6	7	2145	448.	.336	.151	15.500	.193		157.00	41.00	14.60		655.
75	6	8	345	370.	.327	.153	14.400	2.000		126.00	46.00	11.80		689.
75	6	8	945	315.	.300	.169	13.700	.104		112.00	47.00	14.80		701.
75	6	8	1545	272.	.286	.165	13.100	.165		94.20	49.00	14.20		714.
75	6	8	2145	235.	.282	.166	12.800	.120		81.50	50.00	14.60		723.
75	6	9	345	208.	.354	.172	12.200	.172		81.00	55.00	14.20		749.
75	6	9	945	185.	.246	.165	10.500	.110		69.00	69.00	14.20		824.
75	6	9	1200	188.	.287	.180	6.420	.058		52.30	56.50	15.30		792.
75	6	10	1200	126.	.326	.229	6.180	.062		50.60	52.50	14.80		768.
75	6	11	1200	111.	.315	.238	5.950	.101		36.40	61.00	15.60		830.
75	6	12	1200	121.	.404	.309	5.920	.088		43.70	67.00	15.50		832.
75	6	13	1200	135.	.357	.229	5.870	.069		51.40	65.00	15.80		797.
75	6	14	1200	104.	.277	.182	5.720	.022		29.60	71.00	15.60		831.
75	6	15	1200	93.	.228	.151	5.580	.021		19.20	91.00	15.80		864.
75	6	16	1230	437.	.356	.173	6.940			105.00	52.00	7.10		678.
75	6	17	1230	244.	.364	.250	10.800			122.00	40.00	13.70		650.
75	6	18	1230	135.	.324	.195	12.200			93.70	46.00	12.50		672.
75	6	19	1230	165.	.316	.210	11.200			95.20	47.50	11.80		707.
75	6	20	1230	172.	.300	.205	7.510			56.00	62.00	10.80		762.
75	6	21	1230	249.	1.080	.150	8.880	.030		443.00	39.50	11.50		589.
75	6	21	1830	208.	.750	.180	9.190	.040			41.00			613.
75	6	22	30	176.	.710	.172	8.560	.080			44.00			634.
75	6	22	630	149.	.560	.145	7.580	.062			55.00			714.
75	6	22	1230	132.	.545	.130	7.390			209.00	60.50	12.40		732.
75	6	23	630	98.	.575	.070	6.770	.060		182.00	65.00	11.10		736.
75	6	24	1000	70.	.610	.155	5.980	.045		144.00	77.00	7.40		638.
75	6	25	400	71.	.451	.160	4.990	.045		141.00	103.00	11.20		769.
75	6	26	400	451.	1.360	.165	8.300	.065		938.00	55.00	13.70		495.
75	6	27	400	288.	.805	.157	8.710	.112		421.00	54.00	15.30		544.
75	6	28	400	228.	.825	.175	7.950	.090		429.00	60.00	16.30		616.
75	6	29	400	119.	.625	.150	6.430	.060		283.00	86.00	13.00		703.
75	6	30	400	75.	.386	.140	5.620	.020		177.00	112.00	15.10		820.
75	6	30	2200	57.	.437	.140	6.140	.015		187.00	78.00	10.40		679.
75	7	1	1405	47.	.665	.138	5.440	.070		274.00	69.00	9.38		691.
75	7	2	1405	37.	.304	.096	2.700	.400		144.00	84.00	3.55		686.
75	7	3	1405	38.	.256	.100	1.470	.650		83.00	89.00	1.90		653.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 7 4	1405	52.	.264	.128	.890	.480				81.60	110.00	.63		714.
75 7 5	1405	132.	.368	.270	5.210	.240				74.60	99.00	7.95		788.
75 7 6	1405	186.	.244	.140	2.760	.150				44.70	134.00	5.00		844.
75 7 7	1405	63.	.292	.180	2.820	.040				41.30	95.00	5.10		744.
75 7 8	805	47.	.342	.342	2.210	.070				39.70	60.00	3.34		908.
75 7 8	1445	46.	.292							32.80	76.00			738.
75 7 9	245	118.	.296							43.70	88.00			785.
75 7 9	1445	88.	.356							27.10	72.00			692.
75 7 10	245	70.	.320							42.60	99.00			815.
75 7 10	1445	55.	.368							56.80	110.00			652.
75 7 11	245	43.								44.20	130.00			749.
75 7 11	1445	35.								44.10	80.00			585.
75 7 12	245	31.	.272							42.50	115.00			728.
75 7 12	1445	30.								50.00	105.00			698.
75 7 13	245	26.	.268							47.90	93.00			695.
75 7 13	1445	23.	.312							46.70	105.00			713.
75 7 14	245	24.								60.40	110.00			726.
75 7 14	1445	24.								52.80	130.00			778.
75 7 15	245	39.	.530							66.30	138.00			727.
75 7 15	1615	57.	.615	.290	.870	.070					118.00	.30		766.
75 7 16	415	52.		.350	1.310	.007					163.00	.90		966.
75 7 16	1615	47.	.720	.390	.930	.170					118.00	.20		755.
75 7 17	1615	33.	.645	.250	.530	.144					114.00			770.
75 7 18	1615	42.	.505	.230	.650	.268					130.00			844.
75 7 19	1615	44.	1.110	.560	.600	.329					101.00	.50		666.
75 7 20	1615	30.	.505	.280	.720	.024					110.00	.90		750.
75 7 21	1615	40.	.545	.280	.920	.006					96.00	.90		686.
75 7 22	1015	33.	.376	.340	1.030	.061					88.00	2.00		
75 7 22	1630	30.	.610	.260	2.000	.092				87.80	88.00	2.60		751.
75 7 23	1630	22.	.605	.260	.500	.160				56.60	120.00	2.30		797.
75 7 24	1630	18.	.580	.205	1.100	.100				73.10	134.00	2.62		864.
75 7 25	1630	13.	.580	.161	.670	.095				89.40	132.00	2.08		848.
75 7 26	1630	11.	.575	.145	.680	.076				87.40	130.00	1.30		802.
75 7 27	1630	10.	.515	.130	.360	.089				62.30	155.00	1.71		894.
75 7 28	1630	8.	1.890	.145	.440	.050				443.00	140.00	1.68		858.
75 7 29	830	9.	1.470	.230	.202	.011				324.00		3.90		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 041955500

SAMPLING DATE YR MO DY	TIME 24:00	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	CRG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	7	29	1615	7.										
75	7	30	1615	.965	.378	.740	.118			79.60	108.00	2.51		857.
75	7	31	1615	.660	.300	.330	.209			10.70	115.00	1.72		947.
75	8	1	1615	.640	.328	.110	.391			86.50	107.00	1.90		946.
75	8	1	1615	.980	.305	.860	.473			95.60	110.00	2.26		973.
75	8	2	1615	.675	.332	.070	.312			93.20	119.00	1.36		1008.
75	8	3	1615	.356	.221	.470	.212			85.50	133.00	2.84		1035.
75	8	4	1615	.550	.342	.900	.124			83.70	109.00	4.17		904.
75	8	5	1015	.340	.250	1.090	.121			77.80		3.60		
75	8	5	1630	.787	.321	.855	.395			59.10	130.00	3.36		844.
75	8	5	2230		.289	.940	.118			82.50		2.05		
75	8	6	430		.290	1.370	.130			25.30		3.26		
75	8	6	1030		.282	1.150	.118			78.80		3.58		
75	8	6	1630	.561	.243	1.030	.287			46.20	118.00	3.24		870.
75	8	7	1630	.372	.219	2.980	.103			124.00	92.00	6.05		717.
75	8	8	1630	.341	.248	3.240	.130			75.60	63.00	8.33		576.
75	8	8	1630	.341	.217	3.000	.128			69.40	74.00	9.50		647.
75	8	10	1630	.351	.205	2.620	.116			63.00	76.00	8.55		691.
75	8	11	1630	.352	.126	1.610	.036			64.40	88.00	5.81		760.
75	8	12	1033	.231	.152	1.330	.051			82.60	92.00	3.20		692.
75	9	1	2000		.190	2.050	.039			245.00	28.00	12.30		608.
75	9	1	2400		.180	2.500	.185			1538.00	27.50	12.00		396.
75	9	2	400		.195	1.920	.230			939.00	27.00	12.40		582.
75	9	2	800		.175	2.210	.173			1273.00	25.00	13.20		591.
75	9	2	1200		.177	1.830	.023			812.00	24.50	12.60		544.
75	9	2	1600		.182	2.120	.170			1438.00	21.00	12.70		590.
75	9	2	2000		.170	1.650	.030			3787.00	26.00	12.30		604.
75	9	2	2400		.195	1.980	.172			1294.00	29.00	12.20		618.
75	9	3	400		.142	1.810	.001			1604.00	30.00	12.60		420.
75	9	3	800		.163	1.870	.179			257.00	27.00	12.20		566.
75	9	3	1200		.150	1.250	.005			276.00	19.50	12.60		622.
75	9	3	1600		.170	1.880	.156			353.00	31.50	12.60		488.
75	9	3	2000		.159	1.950	.030			245.00	28.00	12.70		660.
75	9	3	2400		.160	1.760	.156			184.00	31.00	12.70		603.
75	9	4	400		.148	1.950	.013			182.00	41.00	12.30		710.
75	9	4	800		.157	1.800	.112			129.00	60.00	11.80		588.
75	9	4	1200		.152	1.760	.018			110.00	52.00	12.80		767.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	9	4	1600	192.	200	1.770	.128			170.00	44.00	11.60		729.
75	9	4	2000	188.	.190	1.770	.118			568.00	23.00	12.90		634.
75	9	5	1200	151.	.170	1.740	.150			53.10	28.50	10.80		785.
75	9	6	400	389.		1.940	.017			163.00	18.50			715.
75	9	6	1200	1508.	.137	1.280	.005			3029.00	30.00	11.50		531.
75	9	6	1800	1557.	.185	2.470	.125			1621.00	30.00	12.80		477.
75	9	6	2400	1332.	.160	2.480	.035			1463.00	29.00	11.20		510.
75	9	7	600	1036.	.157	2.170	.219			1103.00	29.00	11.30		514.
75	9	7	1200	794.	.143	2.490	.005			899.00	29.00	12.00		523.
75	9	7	1800	611.	.146	2.150	.141			535.00	12.00	12.00		566.
75	9	7	2400	493.	.145	2.800	.072			572.00	20.00	12.20		595.
75	9	8	600	408.	.158	2.200	.198			435.00	14.50	13.20		626.
75	9	8	1200	341.	.142	2.460	.036			338.00	30.00	11.70		675.
75	9	8	1800	289.	.144	2.190	.092			284.00	13.00	11.70		669.
75	9	8	2400	244.	.151	2.280	.121			314.00	46.00	11.40		725.
75	9	9	600	210.	.139	1.990	.087			204.00	17.00	11.50		760.
75	9	9	1200	182.	.145	2.080	.035			187.00	14.00	12.00		719.
75	9	9	1800	159.	.184	2.100	.113			185.00	14.00	11.90		710.
75	9	9	2400	143.	.153	2.120	.025			232.00	35.00	11.90		721.
75	9	10	600	130.	.152	1.950	.103			230.00	24.00	9.80		865.
75	9	10	1200	116.	.160	2.120	.095			51.80	42.00	11.60		745.
75	9	10	1800	106.	.160	2.050	.089			31.20	18.50	11.10		817.
75	9	10	2400	98.	.160	2.000	.072			33.50	43.00	11.20		834.
75	9	11	600	90.	.115	1.810	.095			29.50	34.00	10.00		1008.
75	9	11	1200	85.	.165	2.030	.068			56.20	54.00	10.90		852.
75	9	11	1800	88.	.180	1.850	.120			26.20	24.00	10.30		872.
75	9	11	2400	90.	.149	1.960	.052			39.90	42.00	9.90		829.
75	9	11	2400	90.	.149	1.960	.052			39.90	42.00	9.90		829.
75	9	12	600	130.	.145	1.810	.103			34.50	30.00	7.80		962.
75	9	12	1200	1956.	.167	2.290	.078			389.00	24.50			474.
75	9	12	1800	2350.	.142	1.840	.140			378.00	10.00	9.60		353.
75	9	12	2400	2278.	.127	1.960	.100			191.00	15.50	10.90		364.
75	9	13	600	1886.	.119	2.110	.221			144.00	10.00	10.20		403.
75	9	15	1100	312.	.121	2.210	.057			88.00	26.00	9.13		595.
75	9	16	1100	282.	.124	2.360	.057			47.10	31.00	9.96		672.
75	9	17	1100	157.	.118	2.160	.037			27.20	40.00	8.28		856.

.260
.210
.140

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE			TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C.
YR	MO	DY	MRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
75	9	18	1100	134.	.240	.189	2.310	.077				25.90	33.00	9.59		722.
75	9	19	1100	528.	.290	.173	2.540	.054				65.00	32.00	8.82		720.
75	9	20	1100	670.	.310	.113	2.250	.065				116.00	22.00	9.56		607.
75	9	21	1100	1304.	.360	.097	2.030	.077				123.00	18.50	9.68		514.
75	9	22	500	647.	.240	.104	2.160	.104				58.90	14.50	9.96		584.
75	9	22	1200	520.	.300	.118	5.310	.217				43.78	34.00	12.70		571.
75	9	23	1200	292.	.270	.125	3.790	.179				40.20	37.00	12.10		628.
75	9	24	600	218.	.270	.129	2.320	.117				29.10	38.00	11.20		768.
75	9	29	1110	145.	.240	.161	2.080	.124				48.60	41.00	12.80		758.
75	9	30	1110	118.	.190	.169	1.990	.133				17.28	60.00	9.09		902.
75	10	1	1110	109.	.170	.156	1.990	.032				12.00	71.00	8.42		966.
75	10	2	1110	99.	.200	.158	1.960	.077				8.00	70.00	8.79		944.
75	10	3	1110	88.	.228	.228	2.020	.092				7.50	70.00	8.11		948.
75	10	4	1110	81.	.222	.222	1.960	.078				7.70	68.00	7.65		928.
75	10	5	1110	70.	.120	.102	1.590	.035				9.30	100.00	6.17		1141.
75	10	6	510	59.	.120	.089	1.630	.107				15.10	42.00	5.66		1142.
75	10	6	1130	55.	.156	.106	2.030	.198				7.10	56.00	6.83		958.
75	10	7	1130	51.	.149	.096	1.880	.166				.30	60.00	5.80		976.
75	10	8	1130	48.	.050	.044	1.200	.189				10.40	92.00	6.01		1200.
75	10	9	1130	78.	.085	.044	1.570	.181				27.90	94.00	7.38		1198.
75	10	10	1130	135.	.149	.080	2.090	.140				15.20	52.00	6.99		875.
75	10	10	1730	135.	.199	.108	2.330	.148				10.90	43.00	6.55		809.
75	10	13	1130	74.	.092	.064	1.420	.182				10.70	100.00	4.97		917.
75	10	13	1730	71.	.072	.039	1.170	.102				8.40	122.00	4.36		1019.
75	10	13	2330	70.	.082	.055	1.080	.172				130.00	130.00	5.06		1062.
75	10	14	530	67.	.057	.035	1.000	.121				24.20	140.00	4.59		1130.
75	10	14	1130	64.	.074	.046	1.070	.168				8.30	119.00	4.84		1045.
75	10	14	1730	60.	.102	.048	.870	.109				7.70	95.00	3.89		886.
75	10	14	2330	59.	.086	.048	.910	.212				9.00	88.00	2.01		903.
75	10	15	530	59.	.065	.035	.910	.164				7.90	130.00	4.60		1114.
75	10	15	1130	57.	.061	.034	.910	.194				7.30	155.00	4.42		1177.
75	10	15	1730	56.	.072	.028	.890	.102				9.10	127.00	1.69		1075.
75	10	15	2330	56.	.096	.046	.970	.207				90.00	90.00	3.01		907.
75	10	16	530	56.	.101	.044	.950	.126				17.40	92.00	3.23		945.
75	10	16	1130	55.	.088	.050	.940	.169				6.50	88.00	2.21		930.
75	10	16	1730	54.	.075	.031	.790	.083				117.00	117.00	3.33		1045.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 10 16	2330	54.	.068	.027	.780	.136				26.00	127.00	2.12		1064.
75 10 17	530	54.	.054	.024	.820	.099				5.40	143.00	4.18		1190.
75 10 17	1130	52.	.113	.043	.910	.160				8.50	93.00	3.28		935.
75 10 17	1730	57.	.173	.079	.990	.149				23.70	121.00	3.42		1024.
75 10 17	2330	68.	.083	.034	1.040	.065				21.00	142.00	5.07		1052.
75 10 18	530	90.	.081	.036	1.800	.108				21.40	122.00	6.83		1118.
75 10 18	1130	139.	.128	.033	3.150	.026				36.00	86.00	5.86		879.
75 10 18	1730	481.	.199	.081	3.260	.061				21.90	60.00	8.11		807.
75 10 18	2330	1224.	.350	.108	3.400	.053				76.80	58.00	7.77		741.
75 10 19	530	1620.	.493	.106	3.940	.070				110.00	46.00	10.40		652.
75 10 19	1130	1781.	.421	.099	4.480	.059				109.00	46.00	9.92		606.
75 10 19	1730	1795.	.367	.106	4.770	.072				94.90	35.00	11.40		594.
75 10 19	2330	1711.	.341	.081	4.690	.085				86.00	47.00	10.80		616.
75 10 20	530	1564.	.342	.084	4.600	.099				71.50	40.00	11.30		622.
75 10 20	1130	1360.	.238	.115	4.740	.105				64.80	37.00	9.93		620.
75 10 21	1130	721.	.112	.092	4.370	.092				40.90	41.00	11.80		686.
75 10 22	1130	429.	.146	.095	3.680	.161				2.55	46.00	12.20		740.
75 10 23	1130	292.	.146	.092	3.280	.166				23.60	46.00	11.00		810.
75 10 24	1130	208.	.150	.094	2.850	.074				18.40	52.00	10.80		834.
75 10 25	1130	163.	.128	.089	2.590	.039				13.30	60.00	10.40		886.
75 10 26	1130	149.	.128	.098	2.000	.048				7.78	90.00	9.64		984.
75 10 27	530	132.	.154	.114	1.900	.056				7.30	94.00	7.45		1008.
75 10 27	1330	125.	.184	.127	1.970	.190				7.80	89.00	6.36		907.
75 10 28	1330	109.	.142	.108	1.980	.193				6.00	87.00	7.05		910.
75 10 29	1330	99.	.126	.126	1.880	.202				5.70	92.00	6.81		936.
75 10 30	1330	84.	.219	.132	1.750	.192				3.90	96.00	3.61		887.
75 10 31	1330	71.	.197	.143	1.790	.116				3.50	90.00	3.33		877.
75 11 1	1330	66.	.183	.118	1.710	.109				4.90	92.00	3.60		897.
75 11 2	1330	70.	.137	.092	1.390	.078				7.00	145.00	4.47		1111.
75 11 3	730	71.	.071	.056	1.400	.044				6.90	153.00	3.58		1130.
75 11 3	1130	70.	.169	.110	1.900	.171				10.50	120.00			885.
75 11 4	1130	67.	.151	.093	1.590	.142				6.10	175.00			1049.
75 11 5	1130	63.	.183	.131	1.730	.135				8.90	130.00			920.
75 11 6	1130	63.	.162	.105	1.480	.127				10.00	170.00			1033.
75 11 7	1130	61.	.171	.096	1.410	.077				10.20	160.00			1022.
75 11 8	1130	64.	.166	.104	1.340	.070				13.50	170.00			1038.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 11 9	1130	70.	.190	.114	1.250	.118				8.30	180.00			1062.
75 11 10	530	73.	.200	.134	1.260	.090				14.90	190.00			1083.
75 11 10	1440	71.	.222	.047	1.340	.148				17.70	120.00	2.20		1056.
75 11 11	1440	82.	.188	.040	1.350	.141				5.90	147.00	2.96		1144.
75 11 12	1440	104.	.231	.151	1.660	.202				6.60	110.00	2.82		977.
75 11 13	1440	94.	.272	.049	1.750	.207				13.80	94.00	3.22		906.
75 11 14	1440	81.	.181	.007	1.320	.079				4.00	140.00	3.65		1073.
75 11 15	1440	70.	.207	.002	1.560	.179				9.40	93.00	3.05		888.
75 11 16	1440	61.	.193	.002	1.180	.060				4.30	170.00	3.71		1240.
75 11 17	840	56.	.179	.003	1.260	.045				7.80	180.00	3.27		1270.
75 11 24	1630	59.	1.120	.359	2.530	.169				4.20	92.00	1.25		906.
75 11 25	1630	57.	.420	.129	1.770	.073				5.90	180.00	2.42		1200.
75 11 26	1630	57.	.620	.202	2.970	.112				5.20	110.00	3.42		933.
75 11 27	1630	66.	.460	.138	2.530	.137				5.90	150.00	2.01		1111.
75 11 28	1630	64.	.594	.182	2.750	.214				4.00	105.00	2.94		948.
75 11 29	1630	104.	.460	.093	2.090	.060				60.00	115.00	4.77		939.
75 11 30	1630	493.	.690	.145	4.770	.127				43.90	72.00	5.39		787.
75 12 1	1030	779.	.710	.145	4.750	.193				49.90	62.00	6.96		714.
75 12 1	1700	745.	.276	.120	4.500					54.40	51.00			719.
75 12 3	500	328.	.194	.090	4.400	.130				18.40	60.00			820.
75 12 3	1700	263.	.170	.090	4.500	.170				8.10	49.00			768.
75 12 4	1700	188.	.153	.090	4.000	.180				6.40	53.00			816.
75 12 5	1700	151.	.147	.090	3.800	.220				4.90	53.00			835.
75 12 6	1700	220.	.141	.050	2.500	.180				31.70	71.00			904.
75 12 7	1700	779.	.194	.080	4.000	.060								
75 12 8	1100	556.	.229	.090	4.300	.070				23.10	49.00			728.
75 12 8	1430	520.	.194	.095	4.400	.070				7.10	44.00			715.
75 12 9	1430	379.	.156	.100	4.100	.125				94.90	44.00			765.
75 12 10	1430	309.	.156	.080	3.700	.090				22.10	49.00			808.
75 12 11	1430	252.	.130	.080	3.200	.130				21.40	64.00			890.
75 12 12	1430	210.	.132	.090	3.300	.200				5.20	54.00			837.
75 12 13	1430	205.	.119	.060	3.250	.260				9.20	64.00			912.
75 12 14	230	283.	.235	.065	3.200	.130				87.00	47.00			699.
75 12 14	1430	520.	.162	.085	3.200	.110				16.80	53.50			819.
75 12 14	2030	512.	.173	.070	3.450	.090				32.20	51.00			800.
75 12 15	830	940.	.527	.090	4.100	.135				227.00	41.00			616.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	12	15	1182.	.533	.100	4.500	.090			201.00	39.00			623.
75	12	15	1774.	1.040	.120	5.780	.100			530.00	35.00			501.
75	12	15	3240.	1.490	.120	6.100	.210			942.00	30.00			491.
75	12	16	3656.	1.260	.130	7.000	.110			613.00	31.00			493.
75	12	16	3689.	.878	.130	7.200	.100			301.00	32.00			499.
75	12	16	3480.	.660	.130	7.200	.090			147.00	33.00			519.
75	12	16	2911.	.556	.120	7.000	.090			114.00	33.00			530.
75	12	17	2390.	.447	.110	7.100	.090			89.60	34.00			561.
75	12	17	1921.	.395	.110	6.900	.110			108.00	33.00			573.
75	12	17	1641.	.371	.110	7.100	.090			92.10	35.00			597.
75	12	17	1325.	.305	.100	7.000	.090			62.80	35.00			612.
75	12	18	1110.	.243	.100	6.800	.090			57.60	40.00			654.
75	12	18	942.	.236	.090	6.700	.090			59.50	38.00			661.
75	12	19	363.	.162	.090	6.100	.100			39.30	45.00			763.
75	12	20	321.	.123	.080	5.600	.130			25.90	46.00			808.
75	12	21	263.	.106	.090	5.100	.130			15.10	51.00			841.
75	12	22	163.	.089	.070	4.700	.160			5.50	60.00			910.
75	12	23	190.	.110	.070	4.400	.210			5.90	57.00			919.
75	12	24	130.	.110	.070	4.000	.210			6.80	67.00			1008.
75	12	25	116.	.130	.080	3.800	.220			7.00	67.00			1000.
75	12	26	80.	.120	.080	3.500	.220			4.40	71.00			1019.
75	12	27	106.	.120	.080	3.700	.250			6.90	68.00			996.
75	12	28	105.	.110	.070	2.800	.200			6.80	83.00			1094.
75	12	29	99.	.090	.120	3.800	.310			6.20	58.00			924.
75	12	30	235.	.180	.060	2.100	.175			8.20	90.00			1186.
75	12	31	100.	.180	.070	2.900	.210			33.30	87.00			999.
75	12	31	1410.	.340	.120	4.400	.290			135.00	47.00			599.
76	1	1	1270.	.260	.110	4.800	.200			48.50	40.00			613.
76	1	2	759.	.120	.090	4.300	.130			24.40	42.00			677.
76	1	3	1210.	.260	.100	4.300	.140			63.70	37.00			628.
76	1	4	1030.	.240	.090	5.000	.130			40.60	37.00			639.
76	1	5	480.	.210	.085	5.050	.115			48.60	42.00			711.
76	1	5	476.	.164	.100	5.000	.110			27.50	43.00			701.
76	1	6	367.	.152	.100	5.300	.220			18.60	51.00		6.64	805.
76	1	7	280.	.147	.110	4.500	.220			14.10	58.00		5.63	850.
76	1	8	141.	.142	.110	3.900	.260			7.40	62.00		4.59	922.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	MRS.											
76	1	9	1205	128.	.154	.120	4.500	.330		6.00	58.00		4.59	918.
76	1	10	1205	110.	.144	.130	4.200	.370			68.00		4.27	917.
76	1	11	1205	107.	.153	.120	4.800	.430		8.70	71.00		3.98	1315.
76	1	12	805	113.	.153	.110	3.700	.600		9.90	79.00		3.91	1080.
76	1	12	1110	114.	.281	.110	3.700	.580		11.20	80.00			985.
76	1	13	1110	128.	.277	.130	3.900	.630	1.030		6.60			1066.
76	1	14	1110	295.	.153	.120	3.300	.530	.937		73.00			875.
76	1	15	1110	835.	.197	.120	3.000	.560	1.110		67.00			718.
76	1	16	1110	544.	.209	.120	3.400	.420	.899		56.00			673.
76	1	17	1110	437.	.163	.110	3.400	.440	1.020		52.00			716.
76	1	18	1110	312.	.178	.120	3.400	.450	.908		59.00			810.
76	1	19	510	274.	.174	.110	3.500	.380	.996		59.00			839.
76	1	19	1100	252.	.173	.150	3.500	.400		7.30	63.00			873.
76	1	20	1100	151.	.183	.110	3.300	.410		2.50	74.00			984.
76	1	21	1100	143.	.161	.120	3.200	.450		1.60	69.00			964.
76	1	22	1100	130.	.220	.220	3.100	.550		.80	71.00			977.
76	1	23	1100	130.	.210	.170	3.200	.610		.90	75.00			1007.
76	1	24	1100	137.	.197	.150	3.200	.780		.90	76.00			1009.
76	1	25	1100	189.	.175	.130	3.000	.840		2.00	83.00			1075.
76	1	25	1700	113.	.107	.100	2.500	.630		2.80	100.00			1280.
76	1	26	500	607.	.160	.080	1.300	.380		17.20	94.00			846.
76	1	26	1105	1448.	.256	.130	1.800	.550		67.60	47.00			435.
76	1	26	1705	2026.	.369	.140	1.800	.420		94.90	49.00			420.
76	1	26	2305	2893.	.362	.130	1.600	.350		126.00	37.00			314.
76	1	27	505	5302.	.343	.140	1.700	.390		114.00	33.00			298.
76	1	27	1105	4360.	.191	.130	1.700	.430		90.50	31.00			271.
76	1	27	1705	3430.	.317	.130	1.800	.380		92.00	27.00			264.
76	1	27	2305	3520.	.298	.130	2.000	.260		46.80	27.00			273.
76	1	28	505	3054.	.264	.130	2.000	.370		52.50	27.00			300.
76	1	28	1105	2590.	.257	.130	2.200	.400		43.20	28.00			311.
76	1	28	1705	1942.	.253	.140	2.300	.300		42.00	27.00			319.
76	1	28	2305	1906.	.228	.130	2.500	.360		25.10	28.00			346.
76	1	29	505	1384.	.211	.130	2.700	.270		30.60	29.00			384.
76	1	29	1105	1030.	.200	.120	2.800	.460		25.10	31.00			416.
76	1	29	1705	905.	.196	.120	3.000	.460		27.00	32.00			457.
76	1	29	2305	814.	.133	.110	3.000	.430		24.70	34.00			486.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR MO DY	MRS.	CFS	PHOS.	PHOS.	NO-3	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	25C.
			MG/L	MG/L	MG/L									UNDO
76	1 30	505	.173	.100	3.000	.370				20.20	39.00			550.
76	1 30	1105	.156	.100	3.000	.490				15.80	40.00			569.
76	1 30	1705	.154	.100	3.000	.360				14.60	40.00			583.
76	1 30	2305	.156	.100	3.000	.400				12.30	40.00			588.
76	1 31	505	.148	.100	3.000	.370				13.70	42.00			615.
76	1 31	1105	.164	.090	3.000	.400				11.90	42.00			621.
76	1 31	1705	.146	.090	3.000	.360				10.60	43.00			643.
76	1 31	2305	.144	.100	3.000	.450				10.80	43.00			658.
76	2 1	505	.154	.110	3.000	.430				9.00	46.00			686.
76	2 1	1105	.149	.090	2.900	.380				8.00	51.00			711.
76	2 1	1705	.140	.090	2.900	.340				9.20	51.00			718.
76	2 1	2305	.136	.090	3.000	.400				8.20	49.00			725.
76	2 2	505	.956	.070	3.600	.250				316.00	51.00			771.
76	2 2	1220	.689	.220	3.500	.590				450.00	51.00			808.
76	2 2	1820	.544	.100	3.500	.670				200.00	51.00			864.
76	2 4	1220	.145	.100	2.800	.450				4.70	58.00			903.
76	2 5	1220	.157	.110	2.700	.460				6.20	60.00			931.
76	2 6	1220	.240	.240	2.600	.500				3.20	63.00			988.
76	2 7	1220	.360	.360	2.300	.560				4.00	71.00			1018.
76	2 8	1220	.120	.120	2.000	.590				3.20	80.00			1020.
76	2 9	620	.169	.120	2.300	.800				7.80	73.00			982.
76	2 9	1050	.242	.240	1.400	.660		.960		21.70	82.00		.20	50
76	2 9	1650	.230	.230	1.400	.720				19.70	75.00		.50	1023.
76	2 9	2250	.230	.230	1.400	.710				24.30	72.00		.50	1028.
76	2 10	450	.240	.240	1.300	.700				33.30	75.00		.30	1086.
76	2 10	1050	.230	.230	1.200	.780				44.90	66.00		.50	1058.
76	2 10	1650	.323	.130	1.200	.660				128.00	46.00		4.40	684.
76	2 10	2250	.365	.120	1.500	.350				81.50	77.00		4.20	436.
76	2 11	450	.453	.150	2.200	.320				80.30	96.00		4.20	426.
76	2 11	1050	.577	.150	2.900	.350		.820		102.00	92.00		5.40	417.
76	2 11	1650	.569	.130	2.100	.290				171.00	82.00		7.60	321.
76	2 11	2250	.570	.130	1.800	.240				221.00	72.00		10.20	293.
76	2 12	450	.511	.140	1.900	.220				144.00	80.00		9.20	268.
76	2 12	1050	.476	.150	1.800	.190		1.100		131.00	71.00		7.50	260.
76	2 12	1650	.490	.160	1.800	.180				143.00	74.00		7.70	269.
76	2 12	2250	.439	.180	1.600	.180				128.00	53.00		6.60	284.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	2 13	450	.408	.190	1.600	.190				97.40	53.00		5.60	304.
76	2 13	1050	.409	.190	1.500	.180		1.020		102.00	44.00		6.50	330.
76	2 13	1650	.448	.200	1.600	.180				160.00	41.00		7.90	333.
76	2 13	2250	.430	.200	1.400	.180				125.00	33.00		7.40	340.
76	2 14	450	.394	.210	1.400	.180				120.00	35.00		6.50	346.
76	2 14	1050	.352	.220	1.200	.180		.329		83.60	27.00		6.20	350.
76	2 14	1650	.344	.250	1.300	.190				73.60	29.00		5.40	369.
76	2 14	2250	.315	.260	1.200	.200				75.90	26.00		4.70	385.
76	2 15	450	.286	.270	1.300	.210				75.20	56.00		5.10	404.
76	2 15	1050	.282	.270	1.200	.230		1.210		66.60	23.00		4.30	428.
76	2 15	1650	.270	.270	1.100	.230				55.20	24.00		4.50	441.
76	2 15	2250	.290	.290	1.000	.230				55.60	25.00		3.90	450.
76	2 16	450	.307	.290	1.000	.230				91.50	21.00		6.40	446.
76	2 16	1040	.365	.100	3.300	.100		1.380		224.00	24.00			439.
76	2 16	1640	.415	.090	3.400	.160		1.280		263.00	27.00			437.
76	2 16	2240	.676	.120	3.400	.310		2.170		438.00	23.00			378.
76	2 17	440	.861	.090	3.300	.130		2.100		640.00	22.00			355.
76	2 17	1040	.817	.080	3.200	.170		2.450		770.00	20.00			320.
76	2 17	1640	.941	.080	3.200	.170		2.650		531.00	19.00			302.
76	2 17	2240	.915	.080	3.700	.160		2.490		421.00	18.00			295.
76	2 18	440	.859	.080	3.900	.190		1.990		536.00	18.00			298.
76	2 18	1040	.711	.080	3.900	.190		1.810		649.00	19.00			316.
76	2 18	1640	.626	.090	4.200	.190		1.890		675.00	19.00			325.
76	2 18	2240	.534	.090	4.400	.180		1.890		142.00	19.00			342.
76	2 19	440	.473	.080	4.600	.170		1.550		161.00	21.00			369.
76	2 19	1040	.398	.080	4.700	.140		1.660		176.00	22.00			399.
76	2 19	1640	.368	.080	4.900	.130		.650		179.00	23.00			418.
76	2 19	2240	.333	.070	5.100	.110		1.450		237.00	24.00			434.
76	2 20	440	.306	.070	5.000	.160		1.290		109.00	25.00			447.
76	2 20	1040	.277	.070	5.000	.160		1.810		102.00	26.00			473.
76	2 20	1640	.263	.060	4.900	.110		1.350		90.60	27.00			492.
76	2 20	2240	.245	.052	4.800	.110		1.420		76.00	27.00			508.
76	2 21	440	.226	.050	4.700	.100		.098		73.20	28.00			524.
76	2 21	1040	.224	.050	4.500	.150		1.020		81.50	30.00			547.
76	2 21	1640	.225	.050	4.600	.240		1.160		71.10	29.00			552.
76	2 21	2240	.254	.050	4.600	.150		2.180		94.10	30.00			549.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	2 22	440	.360	.040	4.600	.150		1.660		183.00	29.00			521.
76	2 22	1000	.396	.050	4.900	.150		2.190		192.00	27.00			498.
76	2 22	1600	.393	.050	4.800	.160		1.650		74.90	27.00			500.
76	2 22	2200	.327	.050	5.000	.090		1.650		74.80	27.00			499.
76	2 23	400	.283	.050	5.100	.120		1.450		96.40	28.00			511.
76	2 23	1100		.070	5.300	.070		2.080		85.90	31.10			490.
76	2 24	1100		.070	5.000	.070		1.460		49.30	34.20			561.
76	2 25	1100		.080	4.700	.110		1.480		37.80	37.30			623.
76	2 26	1100		.080	4.300	.140		1.210		37.20	36.80			637.
76	2 27	1100		.070	4.800	.160		4.290		29.10	40.90			677.
76	2 28	1100		.060	3.900	.150		.820		14.50	42.90			702.
76	2 29	1100		.060	3.700	.150		2.470		19.10	45.70			733.
76	3 1	500		.070	3.500	.210		1.210		22.60	47.80			748.
76	3 22	1300	.533	.050	3.900	.030				339.00	43.00			642.
76	3 22	1900	.369	.050	3.900	.570				178.00	45.00			666.
76	3 23	100	.311	.070	4.000	.160				140.00	42.00			669.
76	3 23	700	.245	.070	3.800	.270				94.90	43.00			693.
76	3 23	1300	.246	.070	3.700	.080				74.40	43.00			709.
76	3 24	1300	.130	.050	3.800	.270				39.40	51.00			823.
76	3 25	1300	.129	.060	3.100	.020				30.00	48.00			799.
76	3 26	1300	.153	.070	2.900	.050				37.50	47.00			769.
76	3 27	100	.135	.040	2.500	.010				32.00	52.00			797.
76	3 28	1300	.117	.040	2.500	.040				24.00	50.00			782.
76	3 29	100	.120	.050	2.500	.020				21.40	51.00			789.
76	3 29	1300	.107	.040	2.800	.060				20.90	45.00			760.
76	3 30	1300	.123	.040	2.900	.090					44.00			772.
76	3 31	1300	.133	.070	2.800	.070				35.40	46.00			792.
76	4 1	1300	.123	.050	2.650	.080				12.70	46.00			777.
76	4 2	1300	.115	.070	2.550	.030				7.40	48.00			786.
76	4 3	1300	.120	.060	2.750	.020				7.40	48.00			786.
76	4 4	1300	.097	.020	2.400					8.00	48.00			788.
76	4 5	700	.084	.020	2.200					12.70	55.00			810.
76	4 6	1300	.092	.030	2.200					13.40	54.00			812.
76	4 6	1300	.072	.020	2.000	.100				12.20	45.00			758.
76	4 7	1300	.057		1.700	.080				6.00	48.00			745.
76	4 7	1300				.050				11.80	58.00			812.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
76	5	9	700	466.	.422	.170	12.100	.380		106.00	49.00			673.
76	5	9	1300	481.	.345	.180	11.100	.340		41.30	51.00			749.
76	5	9	1900	354.	.361	.160	11.000	.330		32.50	51.00			749.
76	5	10	100	315.	.227	.140	9.900	.410		25.30	51.00			760.
76	5	10	700	283.	.196	.150	8.900	.160		27.10	54.00			779.
76	5	11	1300	193.	.140	.100	6.900	.010			59.00			819.
76	5	12	1300	161.	.133	.120	5.500	.070			69.00			861.
76	5	13	1300	128.	.134	.110	4.400	.050			66.00			851.
76	5	14	1300	109.	.139	.110	3.800	.090			75.00			936.
76	5	15	1300	102.	.132	.080	3.200	.040			81.00			969.
76	5	16	1300	161.	.144	.080	2.800	.030			55.00			759.
76	5	17	1300	387.	.259	.150	3.300	.070		61.90	55.00			614.
76	5	17	1900	731.	.562	.120	9.100	.080		295.00	39.00			651.
76	5	18	100	1024.	.748	.120	13.700	.110		579.00	39.00			656.
76	5	18	700	850.	.688	.140	16.800	.090		429.00	39.00			669.
76	5	18	1300	716.	.501	.140	16.900	.090		200.00	37.00			712.
76	5	19	1300	360.	.230	.140	14.700	.090		55.50	38.00			745.
76	5	20	1300	203.	.215	.120	13.800	.170		48.00	44.00			762.
76	5	21	1300	147.	.209	.110	10.900	.120		50.50	44.00			784.
76	5	22	1300	116.	.212	.110	8.300	.080		33.40	49.00			953.
76	5	23	1300	93.	.169	.050	5.000	.080		45.10	76.00			958.
76	5	24	700	82.	.166	.060	4.100	.110		37.70	76.00			832.
76	5	24	1300	80.	.266	.141	4.800	.160		40.90	57.00			854.
76	5	25	1300	71.	.223	.102	3.900	.023		43.30	62.00			864.
76	5	26	1300	70.	.228	.080	3.400	.240		43.40	63.00			944.
76	5	27	1300	59.	.181	.060	2.800	.092		39.90	76.00			870.
76	5	28	1300	51.	.224	.084	2.500	.220		46.30	63.00			971.
76	5	29	1300	50.	.230	.064	2.100	.110		50.90	76.00			999.
76	5	30	1300	48.	.228	.057	1.800	.170		50.90	76.00			949.
76	5	31	700	54.	.224	.040	2.100	.250		44.30	34.00			987.
76	5	31	1300	52.	.200	.140	2.000	.040		27.00	80.00			945.
76	5	31	1900	51.	.223	.120	1.900	.040		45.80	76.00			966.
76	6	1	100	59.	.222	.140	1.800	.020		36.00	77.00			907.
76	6	1	700	223.	.264	.120	2.500	.080		67.60	71.00			586.
76	6	1	1300	493.	.582	.100	12.300	.010		419.00	40.00			668.
76	6	1	1900	334.	.313	.100	15.000	.020		155.00	41.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM

: PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORP MIT MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6	2	180	266.	.252	.100	15.700	.020		103.00	37.00			645.
76	6	2	700	228.	.190	.060	13.700	.020		80.20				644.
76	6	2	1300	205.	.172	.060	13.500	.010		53.40				690.
76	6	2	1900	225.	.170	.060	13.400	.020		60.90				750.
76	6	3	100	223.	.163	.060	12.700	.010		55.80				849.
76	6	3	700	198.	.162	.090	12.100	.020		68.20				867.
76	6	3	1300	170.	.176	.080	12.200	.020		42.70				879.
76	6	4	1300	186.	.186	.080	10.300	.020		40.20				889.
76	6	5	1300	77.	.196	.080	7.500	.140		36.20	61.00			901.
76	6	6	1300	47.	.210	.020	5.000	.120		46.80	65.00			890.
76	6	7	700	55.	.202		4.000	.080		43.80	68.00			903.
76	6	7	1900	50.	.213		4.400	.030		2.20	63.00			817.
76	6	8	160	50.	.218	.100	3.600	.140		36.20	61.00			760.
76	6	8	700	48.	.209	.100	3.900	.100		51.80	66.00			815.
76	6	8	1300	46.	.245	.120	3.000	.200		56.00	70.00			841.
76	6	8	1900	46.	.271	.120	3.500	.040		30.80	63.00			739.
76	6	9	100	48.	.423	.100	1.700	.720		113.00	67.00			775.
76	6	9	700	47.	.314	.160	1.500	.670		57.60	76.00			847.
76	6	9	1300	43.	.303	.160	2.100	.400		57.80	72.00			828.
76	6	9	1900	43.	.350	.160	1.700	.530		63.90	69.00			762.
76	6	10	100	44.	.307	.160	1.600	.850		44.70	69.00			773.
76	6	10	700	44.	.307	.140		.810		26.80	73.00			822.
76	6	10	1300	42.	.443	.170	1.200	.550		66.80	71.00			819.
76	6	10	1900	42.	.295	.220	.040	1.000		44.70	70.00			772.
76	6	11	100	42.	.396	.130	.040	.700		62.30	71.00			787.
76	6	11	700	42.	.520	.150	.020	.870		75.90	73.00			826.
76	6	11	1300	41.	.467	.220	.020	1.070		71.70	69.00			807.
76	6	11	1900	38.	.394	.180	.010	.910		59.70	70.00			772.
76	6	12	100	37.	.281	.140	.010	.720		42.20	70.00			760.
76	6	12	700	37.	.562	.110	.010	.520		85.10	72.00			803.
76	6	12	1900	35.	.429	.190	.010	.800		60.70	71.00			800.
76	6	13	100	37.	.307	.140	.010	.510		71.30	72.00			821.
76	6	13	700	35.	.497	.100	.010	.330		40.60	72.00			797.
76	6	13	1300	23.	.427	.070	.010	.240		65.50	75.00			836.
76	6	13	1900	33.	.654	.150	.010	.400		62.30	74.00			832.
76	6	14	100	32.	.354	.110	.010	.220						

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6 14	700	.306	.100	.010	.070				72.60	73.00			855.
76	6 14	1300	.630	.240	3.100	.060				126.00	70.00			857.
76	6 15	1300	.400	.220	2.300	.070				46.30	70.00			848.
76	6 16	1300	.441	.240	1.700	.040				63.90	74.00			894.
76	6 17	1300	.369	.230	1.100	.110				56.90	79.00			923.
76	6 18	1300	.376	.230	1.100	.150				41.30	80.00			935.
76	6 19	1900	.412	.250	1.100	.140				46.50	79.00			906.
76	6 20	1300	.408	.220	1.000	.110				74.00	83.00			944.
76	6 21	700	.395	.150	2.000	.040				63.20	81.00			954.
76	6 22	100	.388	.220	.890	.040				53.20	86.00			956.
76	6 22	1300	.414	.230	1.010	.020				89.00	87.00			981.
76	6 23	100	.407	.200	.820	.100				88.40	86.00			938.
76	6 23	1300	.412	.240	.980	.030				68.70	91.00			957.
76	6 24	100	.424	.200	.370	.240				57.90	93.00			910.
76	6 24	1300	.479	.260	.670	.110				85.50	90.00			914.
76	6 25	100	.390	.220	.520	.140				68.80	83.00			835.
76	6 25	1300	.367	.220	.590	.160				56.00	87.00			927.
76	6 26	100	.424	.180	.060	.210				66.20	82.00			864.
76	6 27	100	.505	.200	.610	.240				101.00	82.00			863.
76	6 27	1300	.484	.150	.640	.170				96.00	82.00			881.
76	6 28	100	.423	.130	.480	.080				61.30	76.00			825.
76	6 28	700	.415	.100	.190	.040				59.90	75.00			881.
76	6 28	1300	.457	.290	1.300	.030				70.00	81.00			899.
76	6 29	100	.457	.260	1.100	.060				92.40	89.00			902.
76	6 29	1300	.399	.250	.890	.160				48.90	91.00			937.
76	6 30	100	.493	.240	.700	.120				94.90	92.00			934.
76	6 30	1300	.450	.230	.460	.180				63.10	92.00			925.
76	7 1	100	.479	.240	.200	.360				70.80	86.00			887.
76	7 1	1300	.461	.220	.190	.240				56.90	83.00			890.
76	7 2	100	.483	.210	.110	.240				76.50	81.00			881.
76	7 2	1300	.377	.200	.220	.230				40.90	83.00			918.
76	7 3	100	.484	.210	.040	.190				79.10	78.00			881.
76	7 3	1300	.453	.180	.090	.120				72.40	81.00			914.
76	7 4	100	.607	.140	.040	.100				120.00	79.00			873.
76	7 4	1300	.519	.190	.110	.140				87.30	79.00			893.
76	7 5	100	.507	.140	.010	.020				69.00	80.00			869.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE VR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	7	5	700	14.						93.70	82.00			888.
76	7	5	1900	4.						41.60	79.00			909.
76	7	5	700	14.						93.70	82.00			888.
76	7	6	100	13.						49.70	81.00			910.
76	7	6	1300	10.						62.60	83.00			932.
76	7	7	100	9.						48.10	86.00			929.
76	7	7	1300	10.						112.00	86.00			935.
76	7	8	100	10.						41.30	84.00			923.
76	7	8	1300	51.						86.00	82.00			921.
76	7	9	100	44.						59.70	83.00			960.
76	7	9	1300	35.						50.30	89.00			1052.
76	7	10	100	23.						58.40	95.00			985.
76	7	11	100	30.						83.80	88.00			945.
76	7	11	1300	24.						72.60	74.00			839.
76	7	12	100	20.						80.90	73.00			860.
76	7	12	700	19.						74.50	73.00			825.
76	7	12	1300	15.						58.20	77.00			855.
76	7	13	100	4.						91.90	71.00			782.
76	7	13	1300	10.						77.60	75.00			855.
76	7	14	100	9.						76.40	74.00			729.
76	7	14	1300	7.						82.70	77.00			816.
76	7	15	100	7.						96.30	79.00			784.
76	7	15	1300	6.						76.50	80.00			834.
76	7	16	100	7.						123.00	81.00			829.
76	7	16	1300	7.						47.10	83.00			861.
76	7	17	100	9.						279.00	86.00			887.
76	7	18	100	12.						199.00	92.00			962.
76	7	18	1300	19.						177.00	95.00			988.
76	7	19	100	15.						142.00	94.00			947.
76	7	19	700	14.						170.00	94.00			945.
76	7	19	1300	11.						160.00	91.00			1041.
76	7	20	1300	8.						166.00	87.00			955.
76	7	20	100	10.						129.00	88.00			956.
76	7	21	100	7.						109.00	87.00			893.
76	7	21	1300	8.						76.20	84.00			861.
76	7	22	100	10.						115.00	84.00			853.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL NIT. MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	7 22	1300	.620	.330	.010	.200				91.40	85.00			885.
76	7 23	100	.619	.260	.020	.040				103.00	86.00			955.
76	7 23	1300	.483	.220	.050	.050				56.10	91.00			841.
76	7 24	100	.523	.260	.450	.250				120.00	82.00			656.
76	7 25	100	.571	.260	.460	.170				147.00	56.00			710.
76	7 25	1300	.501	.240	.430	.130				155.00	57.00			686.
76	7 26	100	.428	.210	.440	.060				99.30	51.00			692.
76	7 26	700	.419	.190	.470	.060				121.00	51.00			610.
76	7 26	1300	.424	.220	.560	.060				98.20	48.00			673.
76	7 27	100	.385	.190	.4100	.010				92.70	51.00			650.
76	7 27	1300	.345	.270	.4100	.020				65.50	50.00			644.
76	7 28	100	.418	.210	.4200	.010				67.30	49.00			641.
76	7 28	1900	.257	.170	3.700	.080				21.50	51.00			658.
76	7 29	100	.250	.170	3.100	.100				15.50	57.00			724.
76	7 29	1300	.319	.090	1.900	.310				45.20	59.00			712.
76	7 30	100	.290	.130	1.900	.210				14.30	65.00			791.
76	7 30	1300	.279	.050	1.500	.270				24.70	61.00			706.
76	7 31	100	.274	.110	1.500	.220				28.90	47.00			789.
76	7 31	1300	.297	.060	1.600	.140				34.50	46.00			724.
76	8 1	100	.347		1.600	.100				70.30	74.00		1.50	835.
76	8 1	1300	.288		1.000	.020				39.70	74.00		.80	737.
76	8 2	100	.282		1.100	.020				54.00	80.00		.60	786.
76	8 2	700	.305	.040	.500	.010				39.50	80.00		.80	1045.
76	8 9	1300	.275	.160	.900	.070				64.10	93.00			982.
76	8 10	100	.379	.270	1.100	.040				29.80	101.00			991.
76	8 10	1300	.257	.230	.900	.080				40.60	98.00			954.
76	8 11	100	.274	.230	.800	.110				52.20	98.00			956.
76	8 11	1300	.317	.230	.800	.100				47.90	100.00			958.
76	8 12	100	.352	.210	.600	.170				42.60	100.00			845.
76	8 12	1300	.326	.230	.500	.190				87.60	95.00			910.
76	8 13	100	.376	.280	.500	.300				40.20	96.00			871.
76	8 13	1300	.280	.180	.400	.170				39.00	102.00			674.
76	8 14	100	.332	.280	.200	.350				84.50	74.00			513.
76	8 14	700	.441	.260	1.100	.290				147.00	46.00			
76	8 14	1300	.451	.330	1.800	.240								
76	8 14	1900	.448	.230	2.700	.160								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	8 15	100	.517	.210	2.900	.110				244.00	41.00			496.
76	8 15	700	.509	.220	2.800	.140				20.90	46.00			543.
76	8 15	1300	.388	.190	2.600	.130				91.80	50.00			585.
76	8 15	1900	.272	.190	2.500	.090				71.10	55.00			640.
76	8 16	100	.263	.170	2.300	.090				99.00	59.00			695.
76	8 16	700	.374	.170	2.300	.110				123.00	59.00			700.
76	8 16	1300	.312	.220	3.100	.030				53.00	57.00			670.
76	8 17	1300	.296	.210	2.600	.040				69.40	62.00			725.
76	8 18	1300	.296	.190	2.100	.070				64.40	60.00			703.
76	8 19	1300	.373	.190	1.700	.110				47.50	64.00			741.
76	8 20	1300	.362	.160	1.100	.300				48.00	64.00			719.
76	8 21	1300		.080	.300	.330				48.30	70.00			693.
76	8 22	1300		.100	.200	.190				50.30	74.00			679.
76	8 23	700		.140	.200	.100				163.00	79.00			689.
76	8 23	1300	.633	.270	.800	.220				78.70	81.00			750.
76	8 24	100	.461	.270	.700	.110				90.50	83.00			759.
76	8 24	1300	.425	.280	.600	.150				70.60	84.00			764.
76	8 25	100	.673	.320	.200	.660				156.00	85.00			785.
76	8 25	1300	.581	.340	.200	.500				131.00	85.00			812.
76	8 26	100	1.480	.380	.100	.930				568.00	83.00			802.
76	8 26	1300	.730	.280	.200	.450				193.00	83.00			807.
76	8 27	100	.545	.340	.100	.360				86.50	84.00			817.
76	8 27	1300	.425	.320	.100	.280				55.60	86.00			869.
76	8 28	100	.507	.330	.100	.360				78.90	90.00			855.
76	8 28	1300	.499	.300	.100	.240				62.20	93.00			876.
76	8 29	100	.518	.250	.100	.210				73.30	95.00			897.
76	8 29	1300	.262	.250	.200	.080				29.30	92.00			974.
76	8 30	100	.464	.170		.030				71.30	97.00			927.
76	8 30	1300	.282	.195	.410	.065				29.90	92.60		1.20	981.
76	8 31	1300	.255	.188	.580	.158				32.80	95.50		1.20	1017.
76	9 1	1300	.305	.193	.780	.121				48.10	98.30		1.50	1004.
76	9 2	1300	.320	.174	.780	.175				52.90	95.80		1.70	981.
76	9 3	1300	.360	.123	.380	.228				65.50	93.40		1.50	976.
76	9 4	1300	.459	.082	.190	.158				141.00	94.20		2.80	984.
76	9 4	1300	.501	.041	.030	.036				110.00	104.00		2.20	949.
76	9 5	100	.669	.064	.010	.048				174.00	107.00		3.20	956.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	8 15	100	.517	.210	2.900	.110				244.00	41.00			496.
76	8 15	700	.509	.220	2.800	.140				20.90	46.00			543.
76	8 15	1300	.388	.190	2.600	.130				91.80	50.00			585.
76	8 15	1900	.272	.190	2.500	.090				71.10	55.00			640.
76	8 16	100	.263	.170	2.300	.090				99.00	59.00			695.
76	8 16	700	.374	.170	2.300	.110				123.00	59.00			700.
76	8 16	1300	.312	.220	3.100	.030				53.00	57.00			670.
76	8 17	1300	.296	.210	2.600	.040				69.40	62.00			725.
76	8 18	1300	.296	.190	2.100	.070				64.40	60.00			703.
76	8 19	1300	.373	.190	1.700	.110				47.50	64.00			741.
76	8 20	1300	.362	.160	1.100	.300				48.30	64.00			719.
76	8 21	1300		.080	.300	.330				48.30	70.00			693.
76	8 22	1300		.100	.200	.190				50.30	74.00			679.
76	8 23	700		.140	.200	.100				163.00	79.00			689.
76	8 23	1300	.633	.270	.800	.220				78.70	81.00			750.
76	8 24	100	.461	.270	.700	.110				90.50	83.00			759.
76	8 24	1300	.425	.280	.600	.150				70.60	84.00			764.
76	8 25	100	.673	.320	.200	.660				156.00	85.00			785.
76	8 25	1300	.581	.340	.200	.500				131.00	85.00			812.
76	8 26	100	1.480	.380	.100	.930				568.00	83.00			802.
76	8 26	1300	.730	.280	.200	.450				193.00	83.00			807.
76	8 27	100	.545	.340	.100	.360				86.50	84.00			817.
76	8 27	1300	.425	.320	.100	.280				55.60	86.00			869.
76	8 28	100	.507	.330	.100	.360				78.90	90.00			855.
76	8 28	1300	.499	.300	.100	.240				62.20	93.00			876.
76	8 29	100	.518	.250	.100	.210				73.30	95.00			897.
76	8 29	1300	.262	.250	.200	.080				29.30	92.00			974.
76	8 30	100	.464	.170	.030	.030				71.30	97.00			927.
76	8 30	1300	.282	.195	.410	.065				29.90	92.60		1.20	981.
76	8 31	1300	.255	.188	.580	.158				32.80	95.50		1.20	1017.
76	9 1	1300	.305	.193	.780	.121				48.10	98.30		1.50	1004.
76	9 2	1300	.320	.174	.780	.175				52.90	95.80		1.70	981.
76	9 3	1300	.360	.123	.360	.228				65.50	93.40		1.50	976.
76	9 4	1300	.459	.082	.190	.158				141.00	94.20		2.80	984.
76	9 4	1900	.501	.041	.030	.036				110.00	104.00		2.20	949.
76	9 5	100	.669	.064	.010	.048				174.00	107.00		3.20	956.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	9	5	708	7.										
76	9	5	1308	7.										
76	9	5	1900	6.										
76	9	6	100	7.										
76	9	6	708	7.										
76	9	6	1308	6.										
76	9	6	1900	6.										
76	9	7	100	6.										
76	9	7	700	6.										
76	9	7	1300	6.										
76	9	7	1900	5.										
76	9	8	100	5.										
76	9	8	700	4.										
76	9	8	1300	4.										
76	9	8	1900	4.										
76	9	9	100	4.										
76	9	9	700	4.										
76	9	9	1300	4.										
76	9	9	1900	22.										
76	9	10	100	9.										
76	9	10	700	8.										
76	9	10	1300	10.										
76	9	10	1900	11.										
76	9	11	100	21.										
76	9	11	700	29.										
76	9	11	1300	35.										
76	9	11	1900	37.										
76	9	12	100	32.										
76	9	12	700	27.										
76	9	12	1300	12.										
76	9	12	1900	20.										
76	9	13	100	19.										
76	9	13	700	18.										
76	9	20	1300	47.										
76	9	20	1900	41.										
76	9	21	100	35.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	9	21	700	32.	.540	.172	1.540	.089		158.00	81.50			873.
76	9	21	1300	32.	.416	.181	1.230	.060		110.00	82.80			867.
76	9	21	1900	23.	.382	.148	1.170	.068		129.00	73.40			720.
76	9	22	100	30.	.345	.154	1.230	.044		97.20	76.60			842.
76	9	22	700	26.	.339	.152	1.200	.044		84.60	78.90			857.
76	9	22	1300	25.	.430	.135	1.500	.070		137.00	77.60			882.
76	9	22	1900	24.	.331	.188	1.210	.066		61.20	83.50			869.
76	9	23	100	24.	.344	.165	1.450	.110		71.40	78.20			913.
76	9	23	700	12.	.375	.175	1.550	.048		96.90	81.70			907.
76	9	23	1300	21.	.324	.150	1.790	.043		71.60	81.60			906.
76	9	23	1900	19.	.341	.164	1.490	.038		67.20	84.90			909.
76	9	24	100	19.	.336	.145	1.390	.016		77.10	82.50			935.
76	9	24	700	19.	.323	.165	1.190	.026		284.00	82.50			937.
76	9	24	1300	19.	.278	.138	1.340	.049		43.10	82.40			918.
76	9	24	1900	18.	.391	.194	1.090	.063		68.60	86.50			818.
76	9	25	100	18.	.291	.130	.890	.025		59.50	80.50			884.
76	9	25	700	16.	.250	.121	.790	.024		54.60	77.20			892.
76	9	25	1300	16.	.230	.101	.900	.028		43.34	77.90			907.
76	9	25	1900	15.	.308	.111	.970	.051		54.10	79.60			860.
76	9	26	1300	21.	.262	.075	1.020	.006		51.30	76.90			918.
76	9	26	1900	22.	.223	.086	1.120	.035		48.80	76.10			849.
76	9	27	100	22.	.221	.079	1.360	.081		54.00	85.60			849.
76	9	27	700	22.	.278	.114	1.600	.055		72.90	85.60			776.
76	9	27	1300	12.	.231	.147	1.370	.051		56.80	82.90			903.
76	9	28	1300	50.	.252	.194	2.150	.081		31.00	85.50			928.
76	9	29	1300	44.	.255	.205	1.570	.078		29.00	86.00			1019.
76	9	30	1300	32.	.230	.162	1.270	.038		37.30	82.00			1040.
76	10	1	1300	26.	.228	.161	1.780	.014		25.70	88.90			1013.
76	10	2	1300	12.	.190	.149	1.430	.019		30.50	86.50			1052.
76	10	3	1300	21.	.193	.145	.980	.026		27.80	80.80			1051.
76	10	4	700	19.	.234	.178	1.200	.007		38.00	81.40			1002.
76	10	4	1300	19.	.264	.185	1.320	.103		23.70	77.90			979.
76	10	5	1300	16.	.244	.177	1.070	.099		22.00	78.90			971.
76	10	6	1300	29.	.242	.138	.860	.073		32.70	71.90			879.
76	10	7	1300	30.	.103	.065	.710	.025		10.00	72.90			1033.
76	10	8	1300	70.	.236	.166	2.000	.075		21.90	82.70			1075.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 84195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COMD 25C. UMHO
76 10 9	1300	47.	.146	.107	.940	.124				10.60	79.80			1078.
76 10 10	1300	32.	.072	.057	.690	.035				7.90	80.00			1170.
76 10 11	700	16.	.078	.060	.670	.029				10.10	82.00			1200.
76 10 11	1300	16.	.075	.067	.690	.051				8.00	85.80		.26	1217.
76 10 12	1300	13.	.157	.120	1.040	.015				10.30	88.40		.34	1158.
76 10 13	1300	9.	.212	.158	1.210	.026				19.70	89.10		.59	1122.
76 10 14	1300	7.	.192	.137	1.200	.019				4.00	89.90		.29	1139.
76 10 15	1300	7.	.207	.152	1.110	.022				13.70	90.50		.26	1128.
76 10 16	1300	7.	.181	.160	.840	.025				21.40	92.90		.23	1179.
76 10 17	1300	7.	.173	.137	.740	.027				7.70	92.90		.18	1196.
76 10 18	700	8.	.170	.131	.820	.006				9.10	92.30		.24	1184.
76 10 18	1300	8.	.148	.103	.810	.003				14.60	88.00			1165.
76 10 19	1300	8.	.165	.117	.940	.015				11.00	88.80			1185.
76 10 20	1300	9.	.154	.101	.900	.020				13.70	89.40			1211.
76 10 21	1300	15.	.111	.084	.800	.031				10.00	92.10			1332.
76 10 22	1300	21.	.305	.243	1.280	.038				9.70	92.80			1222.
76 10 23	1300	16.	.652	.540	2.470	.082				9.10	90.20			1117.
76 10 24	1300	16.	.202	.151	1.080	.019				15.40	90.00			1244.
76 10 25	700	16.	.225	.172	1.030	.073				12.90	91.70			1292.
76 10 25	1300	16.	.198	.145	.990	.120				9.40	113.00	3.12		1299.
76 10 26	1300	21.	.162	.125	1.210	.063				3.60	116.00	3.29		1303.
76 10 27	1300	21.	.205	.152	1.860					5.40	116.00	2.70		1250.
76 10 28	1300	19.	.239	.185	2.230	.083				5.90	115.00	2.37		1192.
76 10 29	1300	15.	.274	.220	2.050	.025				2.40	112.00	2.43		1121.
76 10 30	1300	13.	.271	.213	1.980	.072				5.80	110.00	1.50		1090.
76 10 31	1300	15.	.176	.111	1.670	.096				6.10	111.00	3.34		1190.
76 11 1	700	17.	.222	.180	2.230	.006				4.90	113.00	1.90		1160.
76 11 1	1300	17.	.227	.176	2.140	.083				3.30	105.00	2.12		1171.
76 11 2	1300	25.	.199	.156	1.620	.051				4.80	110.00	3.35		1276.
76 11 3	1300	22.	.209	.159	1.550	.049				6.10	108.00	4.12		1251.
76 11 4	1300	22.	.275	.220	1.790	.050				5.70	104.00	2.51		1170.
76 11 5	1300	21.	.377	.312	2.510	.211				7.50	106.00	2.47		1126.
76 11 6	1300	18.	.281	.224	2.280	.179				6.70	108.00	1.89		1144.
76 11 7	1300	17.	.251	.187	2.250	.209				6.80	112.00	1.81		1221.
76 11 8	700	14.	.301	.234	2.710	.013				4.60	113.00	2.75		1163.
76 11 8	1300	14.	.300	.249	3.070	.093				3.80	114.00	.85		1148.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 11 9	1300	14.	.297	.238	2.630	.037				5.20	110.00	2.06		1142.
76 11 10	1300	12.	.321	.260	2.590	.030				3.20	106.00	1.23		1082.
76 11 11	1300	12.	.352	.294	2.910	.077				4.50	102.00	1.21		1026.
76 11 12	1300	13.	.357	.277	2.970	.020				3.80	103.00	1.11		1062.
76 11 13	1300	14.	.445	.340	3.850	.066				2.80	104.00	1.29		1052.
76 11 14	1300	12.	.461	.373	4.360	.078				4.30	109.00	.46		1094.
76 11 15	700	20.	.474	.357	4.700	.062				24.50	112.00	.59		1134.
76 11 15	1300	14.	.437	.358	4.330	.046				2.50	107.00			1158.
76 11 16	1300	13.	.442	.354	4.460	.079				3.10	109.00			1182.
76 11 17	1300	18.	.435	.343	4.550	.158				1.50	112.00			1179.
76 11 18	1300	18.	.429	.329	4.590	.198				2.40	115.00			1187.
76 11 19	1300	20.	.416	.312	4.340	.174				3.00	118.00			1215.
76 11 20	1300	21.	.447	.326	4.380	.212				3.20	120.00			1243.
76 11 21	1300	21.	.441	.342	4.400	.208				3.30	113.00			1205.
76 11 22	700	21.	.400	.308	4.570	.176				3.20	108.00			1175.
76 11 22	1300	20.	.389	.313	4.120	.112				6.70	105.00	1.38		1120.
76 11 23	1300	22.	.392	.314	4.690	.217				14.60	109.00	2.71		1146.
76 11 24	1300	20.	.383	.302	4.920	.256				10.20	114.00	1.93		1204.
76 11 25	1300	19.	.359	.303	4.690	.307				8.90	113.00	.78		1105.
76 11 26	1300	20.	.329	.253	4.330	.291				9.10	117.00	2.19		1152.
76 11 27	1300	22.	.350	.256	3.880	.432				7.60	114.00	1.17		1139.
76 11 28	1300	12.	.396	.298	3.750	.531				8.60	110.00	.78		1126.
76 11 29	700	30.	.367	.285	3.990	.539				6.60	109.00	.72		1131.
76 11 29	1900	12.	.387	.289	3.910	.456		1.800		3.90	109.00	2.66	.17	1261.
76 11 30	1300	32.	.422	.315	4.650	.507		1.800		4.30	114.00	5.15	.14	1348.
76 12 1	1300	14.	.398	.305	4.690	.544		1.980		4.80	118.00	5.48	.13	1417.
76 12 2	1300	13.	.347	.243	4.170	.388		1.920		5.70	121.00	3.16	.13	1444.
76 12 3	1300	13.	1.110	.197	3.980	.556				274.00	134.00	6.06	.14	1572.
76 12 4	1300	12.	.414	.271	3.370	.579		1.930		8.40	126.00	4.61	.22	1481.
76 12 5	1300	12.	.605	.480	3.470	.582		1.870		4.70	119.00	4.74	.12	1453.
76 12 6	700	11.	.708	.564	3.930	.686		2.060		3.50	117.00	4.15	.14	1456.
76 12 6	1900	11.	.931	.772	3.420	1.350		3.160		7.40	114.00	1.33		1432.
76 12 7	1300	11.	.899	.764	3.930	2.000		3.900		5.30	124.00	.89		1452.
76 12 8	1300	11.	.546	.450	3.240	2.000		4.090		4.80	121.00	1.64		1460.
76 12 9	1300	11.	.513	.410	3.110	2.000		4.820		4.90	119.00	1.39		1425.
76 12 10	1300	11.	.649	.508	2.830	2.000		5.280		4.90	116.00	1.64		1382.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE VR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 12 11	1300	11.	.671	.521	2.970	2.000		5.600		5.50	115.00	1.83		1435.
76 12 12	1300	11.	.628	.471	2.620	2.000		5.150		6.50	123.00	1.76		1486.
76 12 13	1300	11.	.546	.411	2.380	2.000		5.580		4.60	139.00	1.78		1644.
76 12 13	1300	11.	.494	.373	2.290	2.000		5.300		3.40	126.00		.14	1678.
76 12 14	1300	11.	.421	.334	2.240	2.000		5.400		3.90	133.00	2.03	.15	1636.
76 12 15	1300	11.	.445	.353	2.570	2.000		5.700		2.80	126.00		.30	1545.
76 12 16	1300	11.	.422	.338	2.490	2.000		5.290		2.50	125.00		.16	1551.
76 12 17	1300	18.	.558	.433	2.370	2.000		5.150		3.10	128.00	1.59	.22	1553.
76 12 18	1300	18.	.242	.182	.910	.628		1.190		3.48	111.00	3.10	.12	1492.
76 12 19	1300	18.	1.020	1.010	2.620	2.000		4.400		2.10	131.00	1.24	.19	1554.
76 12 20	700	10.	1.030	.873	2.030	2.000		5.340		5.70	124.00	1.14	.24	1584.
76 12 20	1300	10.	.990	.861	2.010	2.000		4.260		3.10	121.00	3.85		1288.
76 12 21	1300	16.	.993	.805	2.230	2.000		4.600		2.90	120.00	1.63		1339.
76 12 22	1300	10.	.863	.699	2.340	2.000		4.690		1.30	124.00	2.72		1480.
76 12 23	1300	10.	.820	.662	2.300	2.000		4.780		2.20	120.00	3.26		1486.
76 12 24	1300	10.	.943	.765	2.510	2.000		5.170		3.30	118.00	2.97		1488.
76 12 25	1300	10.	.921	.748	2.420	2.000		4.970		3.00	120.00	2.38		1418.
76 12 26	1300	10.	.920	.751	2.300	2.000		4.680		.60	122.00	2.39		1434.
76 12 27	700	10.	.786	.649	2.030	2.000		4.640		1.90	125.00	3.33		1582.
76 12 27	1300	10.	.824	.696	2.190	2.000		4.880		5.50	124.00	2.38		1482.
76 12 28	1300	10.	.818	.715	2.290	2.000		4.990		5.10	124.00	2.38		1475.
76 12 29	1300	10.	.808	.679	2.180	2.000		5.050		4.10	120.00	2.73		1458.
76 12 30	1300	10.	.882	.739	2.040	2.000		4.970		7.60	117.00	2.57		1429.
76 12 31	1300	10.	.814	.662	1.650	2.000		4.880		11.90	117.00	3.39		1435.
77 1 1	1900	10.	.875	.682	1.290	2.000		5.490		18.70	117.00	4.08		1443.
77 1 2	1300	10.	.611	.497	1.140	2.000		4.110		8.80	114.00	4.98		1421.
77 1 3	700	10.	.565	.477	1.240	2.000		4.300		4.60	114.00	4.07		1441.
77 1 3	1300	10.	.548	.463	1.110	2.000				9.30	117.00			1442.
77 1 4	1300	10.	.663	.559	1.100	2.000				3.10	121.00			1490.
77 1 5	1300	10.	.686	.564	.880	2.000				6.70	120.00			1481.
77 1 6	1300	10.	.713	.601	.830	2.000				5.60	120.00			1486.
77 1 7	1300	10.	.909	.712	.830	2.000				5.80	120.00			1488.
77 1 8	1300	10.	.953	.734	.470	2.000				7.60	114.00			1430.
77 1 9	1300	9.	1.220	.948	.350	2.000				7.70	116.00			1434.
77 1 10	700	9.	1.370	1.050	.430	2.000				8.10	115.00	7.20		1446.
77 1 11	1900	9.	1.140	.958		2.000				9.10	116.00			1370.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	1 12	1900	9.	1.090	.937	.440	2.000			5.00	115.00	7.15		1351.
77	1 13	1900	9.	1.180	.993	.250	2.000			11.30	115.00	7.08		1379.
77	1 14	1900	9.	1.200	1.040	.260	2.000			4.50	115.00	7.97		1380.
77	1 15	1900	9.	1.240	1.070	.240	2.000			4.70	119.00	7.47		1424.
77	1 17	1900	9.	1.490	1.210	.060	2.000			13.90	121.00	7.18		1454.
77	1 18	1300	9.	1.490	1.180		2.000			16.20	122.00	6.98		1399.
77	1 24	1300	9.	1.830	1.180	.040	2.000			17.40	121.00	7.70		1647.
77	1 28	1300	9.		.874	.120	2.000			30.50	118.00	7.64	1.63	1469.
77	1 29	1300	9.	1.510	.912	.133	2.000			15.50	115.00	8.60	1.15	1432.
77	1 29	1300	9.	1.500	.817	.180	2.000			14.10	114.00	7.50	1.04	1427.
77	1 30	1300	9.	1.340	.863	.210	2.000			14.50	114.00	8.21	.94	1423.
77	2 3	1300	9.	1.420	.939	.220	2.000			12.20	115.00	.18	1.09	1041.
77	2 4	1300	9.	2.080	.720	.250	2.000			144.00	117.00	6.78		1456.
77	2 5	1300	9.	1.470	.770	.270	2.000			15.80	122.00	6.97		1523.
77	2 6	1300	9.	1.430	.803	.230	2.000			10.40	116.00	6.90		1450.
77	2 7	1300	9.	1.510	.817	.260	2.000			10.80	114.00	6.90		1444.
77	2 8	700	9.	1.580	.887	.260	2.000			94.60	132.00	7.27		1430.
77	2 14	1300	9.	2.520	.975	5.000	6.620			14.20	134.00	7.60		1518.
77	2 15	1300	9.	1.290	.865	3.950	6.630			39.20	246.00	11.20		1313.
77	2 16	1300	9.	1.470	.920	.500	7.360			6.60	319.00	10.80		1624.
77	2 17	1300	115.	1.470	1.040	.400	7.550			8.10	329.00	6.00		1338.
77	2 18	1300	223.	1.250	.895	.750	7.590			8.50	304.00	7.00		1483.
77	2 19	1300	170.	1.220	.885	.900	7.590			7.30	282.00	7.50		1418.
77	2 20	1300	149.	1.130	.815	.600	7.030			8.70	301.00	7.25		1435.
77	2 21	1300	135.	1.270	.822	.230	2.000			4.70	291.00	6.95		1361.
77	2 21	1455	134.	1.280	.736	.180	2.000	9.960		7.20	147.00	7.50		1350.
77	2 21	1630	134.	1.200	.724	.190	2.000	9.850		26.80	142.00	7.72		1328.
77	2 21	1815	132.	1.160	.721	.210	2.000	9.530		26.50	142.00	7.49		1330.
77	2 21	1900	132.	1.140	.579	.190	2.000	9.790		9.10	142.00	8.25		1332.
77	2 21	2055	132.	1.140	.734	.220	2.000	8.820		5.70	145.00	7.34		1316.
77	2 21	2230	130.	1.110	.727	.200	2.000	9.240		8.20	142.00	8.41		1328.
77	2 22	15	130.	1.150	.769	.220	2.000	9.240		6.40	142.00	7.64		1333.
77	2 22	200	128.	1.140	.807	.210	2.000	8.670		7.00	142.00	8.25		1325.
77	2 22	345	128.	1.280	.772	.150	2.000	10.000		3.80	143.00	7.54		1322.
77	2 22	530	126.	1.280	.787	.090	2.000	9.550		11.30	142.00	7.26		1313.
77	2 22	530	126.	1.280	.787	.090	2.000	9.580		10.70	143.00	7.05		1337.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
DATE	2400	CFS	PHOS.	PHOS.	NO-3		NIT.	KJEL		SOLIDS	RIDE	MG/L	MG/L	25C.
YR MO DY	MRS.		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
77	2 22	715	1.220	.007	.080	2.000		8.720		9.60	144.00	8.29		1340.
77	2 22	900	1.250	.071	.090	2.000		7.580		4.10	144.00	8.50		1344.
77	2 22	1045	1.180	.027	.100	2.000		9.020		9.40	144.00	8.45		1330.
77	2 22	1230	1.140	.747	.150	2.000		8.890		13.50	144.00	7.07		1280.
77	2 22	1415	1.070	.714	.340	2.000		9.800		15.40	145.00	7.63		1285.
77	2 22	1600	1.030	.659	.650	2.000		7.670		12.70	137.00	8.03		1227.
77	2 22	1745	.996	.655	.720	2.000		7.210		13.80	142.00	7.26		1175.
77	2 22	1930	1.020	.630	.750	2.000		7.650		17.50	143.00	7.77		1124.
77	2 22	2115	.945	.603	.750	2.000				16.00	134.00	7.13		1107.
77	2 22	2300	.909	.682	.790	2.000				10.40	130.00	7.77		1094.
77	2 23	45	.915	.596	.760	2.000				8.60	125.00	6.88		1089.
77	2 23	230	.938	.645	.810	2.000				10.50	126.00	7.72		1087.
77	2 23	415	.969	.653	.800	2.000				8.90	129.00	7.56		1118.
77	2 23	600	1.050	.726	.780	2.000				9.70	127.00	7.44		1114.
77	2 23	745	.981	.658	.800	2.000				9.60	127.00	7.29		1097.
77	2 23	930	.903	.649	.830	2.000				12.00	126.00	7.34		1057.
77	2 23	1115	.931	.644	.990	2.000				371.00	58.70	4.67	10.80	482.
77	2 28	1300	1.090	.786	1.070	.760		2.710		81.80	52.60	4.65	4.00	428.
77	3 1	1300	.422	.181	6.440	.513		1.830		37.00	53.90	5.08	2.30	474.
77	3 2	1300	.323	.180	6.790	.506		1.730		30.00	57.40	5.49	1.60	531.
77	3 3	1300	.281	.176	6.670	.563		1.680		78.90	58.00	5.21	4.70	529.
77	3 4	1300	.395	.167	6.390	.554		1.800		255.00			9.00	510.
77	3 4	1900	.669					2.150		454.00	55.70	5.14	13.20	497.
77	3 5	100	.810	.177	6.320	.537		2.380		621.00	49.50	5.03	20.00	459.
77	3 5	700	.920	.132	6.850	.430		4.020		522.00	48.50	5.17	18.80	433.
77	3 5	1300	.845	.126	7.320	.392		2.730		399.00	49.10	5.30	16.70	432.
77	3 5	1900	.763	.131	7.780	.380		2.640		316.00	51.50	5.47	13.50	438.
77	3 6	100	.629	.137	7.520	.381		2.580		214.00	48.70	5.51	10.40	457.
77	3 6	700	.540	.125	9.080	.349		.770		132.00	50.40	5.64	7.50	479.
77	3 6	1300	.436	.128	9.380	.364		1.390		121.00	51.10	5.77	6.10	495.
77	3 6	1900	.380	.119	9.470	.329		1.140		98.00	51.70	5.77	5.80	507.
77	3 7	100	.351	.114	9.720	.300		1.120		109.00	53.50	5.83	5.50	528.
77	3 7	700	.362	.110	9.660	.306		.920		57.90	57.90	7.96		574.
77	3 8	1300	.244	.120	8.900	.386				88.40	54.70	7.78		522.
77	3 7	1300	.335	.136	9.130	.446				43.40	58.70	8.01		596.
77	3 9	1300	.258	.137	8.540	.410								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION V/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3 10	1300	.265	.115	8.210	.414				57.30	57.70	7.72		596.
77	3 11	1300	.240	.116	8.730	.401				50.50	58.70	7.94		610.
77	3 12	1300	.223	.094	9.030	.562				38.40	63.70	7.75		669.
77	3 13	1300	.437	.078	11.600	.229				247.00	64.30	8.28		664.
77	3 13	1900	.487	.085	10.300	.246				315.00	64.40	7.94		680.
77	3 14	100	.334	.093	9.410	.350				105.00	65.70	8.31		695.
77	3 14	700	.311	.075	11.500	.226				137.00	62.90	7.68		668.
77	3 14	1300	.262	.106	11.300	.386				73.20	61.80	8.74	3.40	643.
77	3 15	1300	.187	.111	10.500	.267				38.40	64.30	7.38	1.80	680.
77	3 16	1300	.208	.131	9.450	.278				44.10	65.80	7.90	1.60	712.
77	3 17	1300	.190	.142	8.530	.322				19.10	68.70	7.68	.80	748.
77	3 18	1300	.188	.127	7.180	.346				30.00	77.10	6.41	1.30	744.
77	3 19	100	.639	.128	9.200	.242				144.00	65.00	6.51	4.70	689.
77	3 19	700	.589	.120	10.200	.212				502.00	53.30	6.13	17.50	557.
77	3 19	1300	.429	.114	10.200	.204				430.00	50.00	6.15	16.30	524.
77	3 19	1900	.333	.114	10.400	.195				234.00	50.20	6.98	10.50	521.
77	3 20	100	.260	.111	10.500	.170				130.00	50.80	6.82	6.70	536.
77	3 20	700	.236	.111	10.600	.168				83.70	50.80	6.87	4.50	553.
77	3 20	1300	.212	.115	10.500	.197				72.80	52.50	6.83	3.70	576.
77	3 20	1900	.191	.110	10.400	.134				52.70	55.00	7.15	3.00	591.
77	3 21	100	.179	.109	10.600	.134				52.10	55.50	6.89	2.60	615.
77	3 21	700	.166	.107	10.400	.144				39.40	56.60	7.04	2.30	635.
77	3 21	1300	.190	.061	10.300	.144				35.50	57.90	7.41	2.00	641.
77	3 22	1300	.155	.060	10.400	.116				45.60	49.80	7.47	2.40	637.
77	3 23	1300	.147	.066	9.110	.226		.954		32.80	52.00	8.42	1.80	667.
77	3 24	1300	.203	.051	9.210	.092		1.310		23.10	58.30	8.46	1.60	716.
77	3 24	1900	.225	.053	9.390	.102		.891		71.70	52.50	7.30	3.50	647.
77	3 25	100	.197	.054	9.530	.095		2.800		100.00	48.30	7.56	5.10	611.
77	3 25	700	.165	.053	9.610	.106		2.290		64.80	47.90	7.81	4.10	599.
77	3 25	1300	.153	.060	9.430	.110		1.160		47.00	48.50	7.04	3.10	612.
77	3 25	1900	.149	.054	9.380	.248		.821		32.40	49.00	7.72	2.50	630.
77	3 26	100	.141	.048	9.360	.154		1.010		36.20	49.10	7.94	2.50	633.
77	3 26	700	.135	.046	8.530	.155		1.310		32.80	49.10	7.13	2.40	635.
77	3 26	1300	.137	.046	9.320	.331		1.710		31.90	49.10	6.94	2.00	644.
77	3 27	1300	.153	.055	9.210	.098		1.980		31.70	49.50	7.83	2.10	657.
77	3 27	1300	.865					.835		33.10	49.70	7.41	2.10	663.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 84195500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3 28	700	.201	.064	9.070	.105		1.080		47.90	49.90	7.50	3.80	638.
77	3 28	1300	.359	.099	8.150	.058				108.00	39.20	6.94	7.00	578.
77	3 28	1900	.264	.100	8.410	.076				80.60	42.60	6.86	4.70	626.
77	3 29	100	.502	.108	8.890	.090				250.00	34.70	8.05	13.50	546.
77	3 29	700	.486	.104	9.370	.060				218.00	33.60	7.79	13.00	538.
77	3 29	1300	.488	.104	9.740	.083				197.00	33.60	7.98	12.90	537.
77	3 29	1900	.397	.104	9.760	.054				179.00	33.80	9.85	9.80	544.
77	3 30	100	.335	.108	9.960	.053				121.00	35.70	7.99	7.30	562.
77	3 30	700	.307	.110	9.850	.057				99.20	36.90	8.93	6.10	583.
77	3 30	1300	.280	.106	9.850	.057				74.00	39.00	8.44	5.00	616.
77	3 31	1300	.228	.112	9.290	.105				48.10	44.40	8.48	3.80	670.
77	4 1	1300	.195	.108	8.400	.147				31.10	47.50	7.27	1.80	710.
77	4 2	1300	.184	.123	7.690	.162				25.00	50.80	7.37	1.40	733.
77	4 3	100	.198	.120	7.360	.172				33.90	51.80	6.43	1.70	730.
77	4 3	700	.262	.151	7.440	.180				50.80	52.80	6.64	2.30	737.
77	4 3	1300	.339	.122	6.930	.140				131.00	49.90	6.18	5.30	693.
77	4 3	1900	.495	.104	7.140	.208				223.00	38.80	6.82	11.40	596.
77	4 4	100	.417	.104	7.540	.122				148.00	36.20	7.46	9.90	583.
77	4 4	700	.421	.114	7.780	.583				129.00	36.70	7.78	9.10	587.
77	4 4	1300	.362	.113	7.790	.121				102.00	37.00	7.79	7.30	597.
77	4 4	1900	.297	.094	8.040	.081				84.70	38.10	6.69	5.50	594.
77	4 5	100	.285	.107	8.090	.083				56.10	39.70	6.73	4.70	619.
77	4 5	700	.252	.107	8.080	.052				63.40	38.80	6.82	3.90	633.
77	4 5	1300	.224	.097	8.050	.069				56.20	41.30	5.95	3.20	652.
77	4 5	1900	.200	.096	8.080	.129				40.70	42.20	5.82	2.70	670.
77	4 6	1300	.184	.111	7.600	.134				28.30	46.60	5.62	1.90	704.
77	4 7	1300	.174	.121	7.850	.168				16.60	47.10	5.29	1.20	722.
77	4 8	1300	.213	.127	6.690	.216				25.60	49.80	5.30	1.60	730.
77	4 9	1300	.206	.137	6.680	.232				16.40	50.30	4.18	1.30	730.
77	4 10	1300	.240	.156	6.230	.179				20.90	51.80	3.47	1.40	748.
77	4 11	700	.211	.131	5.980	.132				23.60	52.70	2.57	1.40	751.
77	4 11	1300	.230	.135	5.870	.034				42.40	53.00	2.95	.90	
77	4 12	1900	.220	.119	5.540	.119				36.90	52.70	3.06	.70	
77	4 13	1300	.192	.116	5.000	.068				25.80	53.20	2.15	.30	
77	4 14	1300	.229	.131	4.830	.047				20.80	56.80	2.21	.30	
77	4 15	1300	.233	.162	4.580	.064				20.00	56.80	2.47	.10	

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C- UMHO
77	4	16	1300	111.	.230	.171	4.250	.400		13.40	63.10	1.53	.20	
77	4	17	1300	101.	.176	.114	3.920	.385		11.00	61.00	2.09	.10	
77	4	18	700	94.	.183	.116	3.980	.105		11.80	60.80	2.11	.20	
77	4	18	1300	96.	.252	.153	3.850	.080		20.50	64.28	2.38	.90	793.
77	4	19	1300	93.	.229	.159	3.320	.078		17.30	66.48	2.28	.50	802.
77	4	20	1300	94.	.218	.147	3.320	.150		19.40	67.10	2.00	.60	793.
77	4	21	1300	94.	.228	.154	2.310	.152		14.90	69.20	1.20	.50	811.
77	4	22	1300	99.	.268	.176	2.040	.091		22.20	70.40	2.93	.70	810.
77	4	23	700	799.	.394	.174	7.950	.388		111.00	49.00	6.42	4.90	645.
77	4	23	1300	2542.	.576	.154	12.000	.243		190.00	49.20	7.41	8.00	635.
77	4	23	1900	3722.	.639	.140	13.500	.385		266.00	41.70	8.57	12.10	586.
77	4	24	100	4294.	.546	.115	14.200	.355		159.00	38.10	10.10	10.60	562.
77	4	24	700	4502.	.438	.107	14.200	.330		116.00	36.90	9.43	8.00	563.
77	4	24	1300	4217.	.374	.106	13.900	.315		78.00	37.30	9.60	6.30	
77	4	25	700	3230.	.335	.104	12.400	.265		62.00	36.60	9.50	5.70	
77	4	25	1300	2976.	.325	.070	12.400	.143	1.800	64.00	37.80	6.00	5.40	598.
77	4	26	1300	2207.	.254	.084	10.100	.079	1.620	47.80	37.80	7.44	3.70	644.
77	4	27	1300	1434.	.195	.082	9.560	.113	1.610	39.70	38.90	7.11	2.40	679.
77	4	28	1300	700.	.199	.107	10.000	.095	1.530	43.90	41.30	7.22	2.30	713.
77	4	29	1300	475.	.169	.082	8.990	.127	1.170	29.80	42.20	6.65	1.40	718.
77	4	30	1300	350.	.171	.095	8.150	.079	1.090	27.90	44.80	6.39	1.40	730.
77	5	1	1300	840.	.180	.093	7.980	.035	1.050	33.40	45.80	5.65	1.40	747.
77	5	2	700	200.	.239	.118	7.870	.581	1.360	24.10	46.90	4.67	1.90	777.
77	5	2	1300	200.	.265	.106	7.830	.056	1.720	76.00	42.90	5.97	3.50	676.
77	5	3	1300	245.	.392	.136	9.540	.036	2.090	141.00	43.70	6.38	5.70	656.
77	5	3	1900	245.	.375	.137	10.300	.037	2.920	138.00	41.20	6.95	5.50	654.
77	5	4	100	500.	.335	.126	10.300	.021	2.410	93.20	40.30	6.92	4.80	653.
77	5	4	700	500.	.293	.124	10.100	.025	1.620	86.00	40.90	7.11	3.80	661.
77	5	4	1300	500.	.403	.122	9.090	.067	1.850	132.00	36.80	7.16	7.70	600.
77	5	4	1900	500.	.595	.117	9.410	.144	2.440	235.00	36.60	7.20	13.10	551.
77	5	5	160	1950.	.803	.127	9.400	.070	3.440	351.00	26.00	6.79	21.20	478.
77	5	5	700	1950.	.716	.126	10.300	.082	2.840	368.00	24.40	7.49	18.90	463.
77	5	5	1300	1950.	.600	.125	10.500	.080	2.860	228.00	23.90	7.76	14.90	460.
77	5	5	1900	1950.	.523	.118	10.800	.072	3.150	178.00	24.30	8.07	12.10	462.
77	5	6	100	1300.	.445	.102	9.950	.122	2.460	105.00	31.40	7.64	9.50	476.
77	5	6	700	1300.	.383	.103	10.200	.040	1.920	94.40	30.10	7.98	7.70	494.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	5	6	1300	1300	10-200	.108		1.900		91.90	29.70	8.54	6.80	523.
77	5	6	1900	1300	10-100	.053		1.880		86.70	29.00	8.76	5.80	547.
77	5	7	100	964.	9-970	.052		1.390		78.10	32.30	8.49	4.90	575.
77	5	7	700	964.	9-830	.083		1.280		80.30	33.80	8.11	4.00	597.
77	5	7	1300	964.	9-710	.028		1.580		58.20	35.60	8.20	3.70	620.
77	5	8	1300	611.	8-940	.118		1.070		47.50	39.80	7.37	2.60	682.
77	5	9	700	429.	8-700	.079		1.720		26.60	42.20	7.02	1.80	714.
77	5	9	1300	387.	7-880	.031				30.50	41.80	7.80	1.40	710.
77	5	10	1300	266.	7-690	.021				23.70	44.50	7.73	.80	746.
77	5	11	1300	288.	7-330	.028				20.50	49.00	6.88	.80	778.
77	5	12	1300	165.	6-760	.031				23.40	49.00	6.20	.90	788.
77	5	13	1300	121.	6-550	.037				10.80	51.80	5.34	.50	801.
77	5	14	1300	125.	6-060	.022				11.00	52.80	4.12	.40	809.
77	5	15	1300	109.	6-060	.024				7.40	50.50	3.90	.30	804.
77	5	16	700	99.	6-090	.030				7.80	50.30	4.21	.30	809.
77	5	16	1300	96.	4-420	.061				12.10	56.70	.67	.50	852.
77	5	17	1300	85.	4-350	.038				11.50	59.50	.61	.40	857.
77	5	18	1300	85.	3-970	.095				6.10	61.00	.64	.40	859.
77	5	19	1300	74.	3-830	.067				6.60	61.70	.64	.40	865.
77	5	20	1300	67.	2-960	.035				3.40	61.30	.79	.40	852.
77	5	21	1300	67.	2-960	.027				8.60	63.50	.79	.30	877.
77	5	22	1300	59.	2-900	.010				7.40	65.10	.70	.20	915.
77	5	23	700	55.	2-810	.016				13.40	66.10	.75	.20	903.
77	5	23	1300	51.	1-830	.118		.390		4.30	67.60	1.73	.40	844.
77	5	24	1300	48.	1-830	.166				7.10	65.90	2.72	.40	851.
77	5	25	1300	44.	1-760	.192				5.00	65.30	2.77	.50	853.
77	5	26	1300	39.	1-980	.188				2.50	66.60	2.53	.50	867.
77	5	27	1300	35.	3-870	.732				14.10	70.70	1.30	.50	890.
77	5	28	1300	35.	1-720	.908				20.00	73.10	.69	.60	834.
77	5	29	1300	32.	.990	.499				17.10	72.40	1.42	.50	830.
77	5	30	700	30.	.960	.384		2.450		16.60	70.00	1.83	.60	830.
77	5	31	1300	24.	.680	.799		4.060		63.70	79.60	2.07	.90	883.
77	6	1	1300	27.	.350	.331				21.90	81.70	1.13	.50	900.
77	6	2	1300	26.	.401	.380				16.70	85.20	1.32	.40	940.
77	6	3	1300	26.	.360	.192				9.90	92.70	1.93	.30	1034.
77	6	4	1300	25.	.433	.195				11.90	88.10	1.17	.30	938.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPENDED SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C- UMHO
77	6	5	1300	.508	.393	.920	.071	.975		17.80	79.10	1.37	.870	764.
77	6	6	1300	.514	.329	1.280	.218	1.090		18.80	73.20	1.23	.40	845.
77	6	7	1300	.564	.369	1.360	.212			17.10	76.40	1.05	.40	888.
77	6	8	1300	.687	.469	1.430	.186			19.50	75.40	.70	.40	889.
77	6	9	1300	.485	.273	1.420	.166			17.10	69.80	1.47	.40	847.
77	6	10	1300	.416	.225	1.510	.148			14.00	69.50	1.16	.40	929.
77	6	11	1300	.459	.337	1.890	.162			11.80	78.80	.88	.40	928.
77	6	12	1300	.416	.281	1.600	.113			13.90	76.70	1.02	.40	929.
77	6	13	700	.471	.302	1.270	.131	1.000		10.60	73.40	.85	.40	896.
77	6	13	1300	.397	.264	.900	.106	.710		9.80	74.50	1.52	.30	893.
77	6	14	1300	.436	.357	.940	.143			18.30	79.60	1.15	.30	883.
77	6	15	1300	.443	.349	.770	.124			16.90	82.60	1.89	.30	921.
77	6	16	1300	.463	.344	.470	.106			13.70	83.40	1.66	.30	943.
77	6	17	1300	.505	.322	.310				12.80	78.70	.94	.40	884.
77	6	18	1300	.607	.284	.400	.068			13.90	73.80	1.29	.30	874.
77	6	19	1300	.579	.287	.420	.105			13.70	75.80	3.09	.30	927.
77	6	20	700	.610	.356	.340	.070		1.270	15.00	78.10	1.47	.40	894.
77	6	20	1300	.605	.373	.430	.089			23.90	81.90	1.42	.60	958.
77	6	21	1300	.536	.260	.820	.248			19.10	76.70	1.03	.50	952.
77	6	22	1300	.512	.395	1.580	.107			13.80	86.30	2.59	.40	969.
77	6	23	1300	.493	.344	.410	.095			11.70	83.00	2.47	.30	952.
77	6	24	1300	.472	.364	.170	.119			7.90	88.80	1.92	.30	939.
77	6	25	1300	.450	.282	.200	.093			10.10	83.10	1.84	.30	944.
77	6	26	1300	.511	.278	.110	.074			15.40	87.20	2.42	.40	918.
77	6	27	700	.716	.294	.050	.067			20.00	88.20	3.81	.40	851.
77	6	27	1300	.664						20.20		4.15	.20	844.
77	6	28	1300	.708						15.60		5.14	.40	879.
77	6	29	1300	.806						26.80		4.58	.30	893.
77	6	30	1300	1.030						14.60		3.36	.80	895.
77	6	30	1900	.855						22.70		2.94	.40	727.
77	7	1	100	.604						185.00		4.42	.70	708.
77	7	1	700	.744						85.10		4.75	5.00	725.
77	7	1	1300	1.250						679.00		5.48	3.90	648.
77	7	1	1900	1.490						1198.00		5.44	22.40	442.
77	7	2	100	.882						570.00		5.99	48.10	485.
77	7	2	700	.639						350.00		7.07	25.60	534.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : PORTAGE RIVER

STREAM : PORTAGE RIVER

LOCATION W/CODE : AT WOODVILLE, OHIO

USGS NO. 04195500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	7	2	1300	1150.						256.00		8.45	16.30	566.
77	7	2	1900	855.						180.00		8.79	11.30	594.
77	7	3	100	638.						138.00		9.03	8.30	608.
77	7	3	700	493.						121.00		9.30	6.90	623.
77	7	3	1300	391.						88.70		9.22	5.90	640.
77	7	3	1900	321.						118.00		9.24	4.50	658.
77	7	4	100	266.						104.00		9.30	4.90	675.
77	7	4	700	218.						67.50		9.37	3.70	692.
77	7	5	1300	544.						479.00	32.80	7.96	18.00	521.
77	7	5	1900	524.						370.00	32.70	8.10	14.50	549.
77	7	6	100	481.						216.00	39.70	8.62	8.10	633.
77	7	6	700	405.						150.00	40.10	8.24	6.30	635.
77	7	6	1300	325.						133.00	39.70	7.79	6.00	620.
77	7	7	1300	135.						76.10	45.20	8.24	3.30	687.
77	7	8	1300	85.						53.20	48.40	8.20	2.10	727.
77	7	9	1300	74.						34.00	50.90	8.45	1.40	750.
77	7	10	1300	52.						41.50	54.50	6.13	1.10	772.
77	7	11	1300	35.						28.80	62.10	5.44	.80	810.
77	7	12	700	29.						32.90	60.30	4.68	.90	755.

**SANDUSKY RIVER
NEAR
FREMONT, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME 2400 HR	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
74 12	7 1100	338.	.217	.085	3.250					12.00				755.
74 12	7 1700	375.	.147	.090	4.350					10.20				761.
74 12	7 2300	398.	.157	.115	4.200					58.00				762.
74 12	8 500	412.	.155	.125	4.350					10.90				763.
74 12	8 1100	437.	.167	.128	4.150					58.50				772.
74 12	8 1700	454.	.173	.125	4.050					6.75				770.
74 12	8 2300	496.	.163	.130	4.200					7.75				768.
74 12	9 500	618.	.210	.150	4.250					14.10				774.
74 12	9 1100	872.	.220	.125	4.600					51.10				753.
74 12	9 1700	1280.	.300	.090	5.550					102.00				695.
74 12	9 2300	1826.	.373	.095	5.800					128.00				694.
74 12	10 500	2371.	.345	.075	6.950					105.00				580.
74 12	10 1100	2736.	.290											580.
74 12	10 1700	2868.	.235											
74 12	10 2300	2882.	.240											
74 12	11 500	2539.	.167											
74 12	11 1100	2245.	.245											
74 12	11 1700	1960.	.178											
74 12	11 2300	1660.	.235											
74 12	12 500	1485.	.183	.085	8.000					33.70				1180.
74 12	12 1100	1340.	.187	.080	7.100					98.50				629.
74 12	12 1700	1240.	.190	.080	7.350					58.80				481.
74 12	12 2300	1320.	.225	.087	7.050					68.50				495.
74 12	13 500	1553.	.218	.090	6.900					58.60				509.
74 12	13 1100	1090.	.200	.085	7.050					68.00				526.
74 12	13 1700	2266.	.205	.080	7.500					65.20				513.
74 12	13 2300	2434.	.207	.075	6.950					63.40				497.
74 12	14 500	2626.	.193		7.050					66.50				501.
74 12	14 1100	2868.	.095	.095	7.400	.220				91.50		7.65		503.
74 12	14 1700	3046.	.080	.080	7.300	.240				100.00		7.70		470.
74 12	14 2300	3184.	.075	.075	7.900	.080				117.00		8.10		503.
74 12	15 500	3276.	.080	.080	8.200	.080				105.00		9.30		500.
74 12	15 1100	3484.	.075	.075	8.300	.090				110.00		8.40		495.
74 12	15 1700	3796.	.070	.070	8.700	.060				120.00		8.60		484.
74 12	15 2300	4115.	.070	.070	8.800	.080				139.00		9.00		479.
74 12	16 500	4674.	.070	.070	9.100	.080				191.00		8.50		475.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
74	12	16	1100	5584.	.060	9.400	.070			233.00		8.40		
74	12	16	1700	6351.	.060	9.200	.080			338.00		7.90		432.
74	12	16	2300	6864.	.055	9.100	.080			360.00		8.20		420.
74	12	17	500	6972.	.050	9.000	.310			230.00		7.80		
74	12	17	1100	6782.	.060	8.800	.070			282.00		7.90		404.
74	12	17	1700	6324.	.060	8.900	.140			242.00		8.50		407.
74	12	17	2300	6000.	.060	9.000	.160			303.00		8.20		407.
74	12	18	500	5714.	.065	8.800	.180			174.00		8.00		409.
74	12	18	1100	5376.	.060	8.600	.040			126.00		8.10		410.
74	12	18	1700	4934.	.070	8.700	.060			136.00		8.90		408.
74	12	19	1100	3556.	.060	8.500	.060			70.60		8.20		422.
74	12	19	1700	3184.	.080	7.600				90.30		9.00		412.
74	12	19	2300	2924.	.070	9.100				57.20		9.80		462.
74	12	20	500	2497.	.160	8.800				74.70		9.20		447.
74	12	20	1100	2140.	.118	9.400				49.30		9.40		483.
74	12	20	2300	1606.	.122	9.000				47.90		9.10		500.
74	12	21	500	1417.	.125	8.800				32.30		9.80		553.
74	12	21	1100	1290.	.137	8.400						10.50		610.
74	12	21	1700	1180.	.129	7.800				28.90		9.80		555.
74	12	21	1700	1180.										
74	12	21	2300	1100.	.114	8.400						9.30		635.
74	12	22	500	1020.	.087	10.000				17.50		10.40		561.
74	12	22	1100	950.	.084	6.900				28.80		8.60		567.
74	12	22	1700	885.	.076	6.800				36.20		9.10		566.
74	12	22	2300	833.	.085	6.500				28.60		9.80		625.
74	12	23	500	786.	.100	6.900				25.50		8.70		644.
74	12	23	1100	740.	.090	7.100				22.80		10.00		647.
74	12	23	1700	716.	.110	7.000				30.10		9.30		623.
74	12	23	2300	728.	.137	6.500				63.30		9.10		523.
74	12	24	500	911.	.190	6.300				113.00		8.20		464.
74	12	24	1100	1807.	.228	6.100				138.00		7.70		404.
74	12	24	1700	3772.	.369	6.200				214.00		7.50		381.
74	12	24	2300	5818.	.296	6.400				174.00		7.00		467.
75	1	3	1600	2455.	.241	4.300	.060			108.00	29.00	7.00		516.
75	1	3	2200	2000.	.178	6.400	.080			58.90	35.00	7.00		526.
75	1	4	400	1960.	.125	6.500	.060			41.10	34.00	7.10		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. MIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C.
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
75	1	4	1000	1570.	.050	6.600	.070			45.70	37.00	7.20		548.
75	1	4	1600	1606.	.050	6.500	.080			34.20	39.50	7.20		568.
75	1	4	2200	1320.	.030	6.100	.060			25.30	40.00	7.00		574.
75	1	5	400	1300.	.040	6.200	.070			25.70	42.00	7.20		586.
75	1	5	1800	1300.	.050	6.100	.080			25.10	44.00	7.20		606.
75	1	5	1600	1240.	.050	6.000	.070			17.80	44.00	7.20		617.
75	1	5	2200	1050.	.050	6.000	.070			17.70	44.00	7.20		623.
75	1	6	400	1030.	.050	6.000	.070			18.30	45.00	7.30		633.
75	1	6	1000	1010.	.040	6.000	.070			13.70	45.00	7.40		640.
75	1	6	1600	950.	.060	5.900	.080			16.70	45.00	7.30		646.
75	1	6	2200	1030.	.060	5.900	.080			13.30	46.00	7.40		654.
75	1	7	400	970.	.107	5.800	.050			22.00	51.00	7.20		653.
75	1	7	1000	797.	.187	5.900	.080			66.20	48.00	6.60		628.
75	1	7	1600	762.	.179	5.800	.080			113.00	42.00	6.60		583.
75	1	7	2200	700.	.232	5.800	.080			264.00	35.00	6.40		478.
75	1	8	400	762.	.446	5.200	.100			306.00		6.00		428.
75	1	9	1000	7512.	.491	4.800	.080			238.00	20.00	7.30		334.
75	1	11	1200	8628.	.510	5.200			19.00	280.00	19.00	7.30		339.
75	1	11	1600	8712.	.520	5.100				312.00		7.50		
75	1	11	1800	8712.	.520	5.100			19.00	288.00	18.00	7.50		341.
75	1	11	2200	8488.	.510	5.200				315.00		7.60		
75	1	11	2400	8398.	.500	5.200			30.00	257.00	18.00	7.80		336.
75	1	12	400	8068.	.500	5.200			43.00	226.00	17.50	7.90		346.
75	1	12	600	7872.	.500	5.200				290.00		8.30		
75	1	12	1800	7593.	.480	5.200				260.00		7.90		
75	1	12	1200	7404.	.470	5.300				206.00	17.00	7.90		348.
75	1	12	1600	7107.	.470	5.300				239.00		7.90		
75	1	12	1800	6999.	.490	5.200				180.00	18.00	8.10		358.
75	1	12	2200	6702.	.460	5.300				223.00		8.00		
75	1	12	2400	6540.	.470	5.200				88.00	20.00	8.30		428.
75	1	14	1700	2518.	.280	5.600	.060			106.00	21.00	8.50		467.
75	1	15	930	1502.	.280	5.800	.090			73.80	24.00			477.
75	1	29	1030	1696.	.340	3.830	.330			157.00	24.00			481.
75	1	29	1630	3460.	.440	4.050	.281			382.00	21.00			425.
75	1	29	2230	5766.	.670	3.850	.251			463.00	17.00			380.
75	1	30	430	7242.	.760	3.670	.761							

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND
YR	MO	DAY	MRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
75	1	30	1030	7485.	.760	.132	.300			459.00	16.00			347.
75	1	30	1630	7053.	.740	.092	.243			503.00	15.00			331.
75	1	30	2230	6621.	.740	.080	.225			486.00	14.50			328.
75	1	31	430	6486.	.760	.113	.215			498.00	15.00			319.
75	1	31	1030	6432.	.660	.097	.175			413.00	15.00			320.
75	1	31	1630	6432.	.630	.092	.387			358.00	14.00			318.
75	1	31	2230	6405.	.620	.085	.145			348.00	13.50			311.
75	2	1	430	6297.	.600	.067	.145			319.00	13.00			311.
75	2	1	1030	6008.	.570	.090	.133			288.00	13.00			320.
75	2	1	1630	5584.	.520	.087	.118			241.00	13.00			330.
75	2	1	2230	5012.	.470	.097	.143			171.00	14.00			344.
75	2	2	430	4390.	.430	.085	.128			141.00	14.50			356.
75	2	2	1030	3772.	.380	.065	.120			114.00	15.00			372.
75	2	2	1630	3207.	.360	.087	.123			125.00	16.00			394.
75	2	2	2230	2714.	.330	.082	.098			87.40	17.00			413.
75	2	3	430	2308.	.300	.090	.093			96.10	17.00			427.
75	2	3	1030	1980.	.280	.080	.083			74.20	18.00			446.
75	2	3	1630	1750.	.240	.048	.068			58.10	18.00			459.
75	2	3	2230	1606.	.240	.095	.083			54.00	19.00			476.
75	2	4	430	1468.	.230	.092	.081			53.70	19.00			491.
75	2	4	1030	1350.	.210	.092	.078			31.60	20.00			512.
75	2	4	1630	1270.	.210	.075	.122			37.80	20.50			533.
75	2	4	2230	1200.	.180	.279	.182			67.30	18.00			542.
75	2	5	430	1100.	.430	.095	.082			33.60	20.50			481.
75	2	10	1600	6189.	.450	.090	.315	1-100	32.00	279.00	31.80			431.
75	2	16	2200	6189.	.370	.080	.218			247.00	29.00			394.
75	2	19	400	6000.	.380	.080	.162			193.00	23.30			388.
75	2	19	1000	5922.	.340	.060	.125			148.00	22.50			383.
75	2	19	1600	5870.	.240	.050	.080	.700		147.00	21.50			381.
75	2	19	2200	5792.	.240	.050	.110			104.00	21.00			386.
75	2	20	400	5584.	.190	.060	.110			72.00	21.20			401.
75	2	20	1600	4726.	.200	.050	.105			21.50	21.50			413.
75	2	20	2200	4215.	.200	.060	.115			90.50	21.70			425.
75	2	21	400	3796.	.160	.050	.055			91.10	22.00			433.
75	2	21	1000	3437.	.280	.050	.067			22.30	22.30			525.
75	2	22	2200	1788.		.080				158.00	29.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 84198000

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	2	23	1500	8544.										
75	2	23	1530	8852.										
75	2	23	1600	9132.										
75	2	23	1630	9358.										
75	2	23	1700	9590.										
75	2	23	1730	9851.										
75	2	23	1800	10112.										
75	2	23	1830	10344.										
75	2	23	1900	10576.										
75	2	24	800	14830.										
75	2	24	1030	15504.										
75	2	24	1630	16446.										
75	2	25	430	17296.										
75	2	25	1030	16310.										
75	2	25	1500	15650.										
75	2	25	1630	15485.										
75	2	25	1800	15516.										
75	2	25	2230	15353.										
75	2	25	2400	15419.										
75	2	26	430	15518.										
75	2	26	600	15485.										
75	2	26	1030	15716.										
75	2	26	1200	15716.										
75	2	26	1630	15584.										
75	2	26	1800	15386.										
75	2	26	2230	15122.										
75	2	26	2400	14894.										
75	2	27	430	14126.										
75	2	27	600	13937.										
75	2	27	1030	12770.										
75	2	27	1200	12320.										
75	2	27	1800	10112.										
75	2	27	2400	8208.										
75	2	28	600	6864.										
75	2	28	1200	5688.										
75	3	1	1400	2350.										
75	2	23	1500	8544.										
75	2	23	1530	8852.										
75	2	23	1600	9132.										
75	2	23	1630	9358.										
75	2	23	1700	9590.										
75	2	23	1730	9851.										
75	2	23	1800	10112.										
75	2	23	1830	10344.										
75	2	23	1900	10576.										
75	2	24	800	14830.										
75	2	24	1030	15504.										
75	2	24	1630	16446.										
75	2	25	430	17296.										
75	2	25	1030	16310.										
75	2	25	1500	15650.										
75	2	25	1630	15485.										
75	2	25	1800	15516.										
75	2	25	2230	15353.										
75	2	25	2400	15419.										
75	2	26	430	15518.										
75	2	26	600	15485.										
75	2	26	1030	15716.										
75	2	26	1200	15716.										
75	2	26	1630	15584.										
75	2	26	1800	15386.										
75	2	26	2230	15122.										
75	2	26	2400	14894.										
75	2	27	430	14126.										
75	2	27	600	13937.										
75	2	27	1030	12770.										
75	2	27	1200	12320.										
75	2	27	1800	10112.										
75	2	27	2400	8208.										
75	2	28	600	6864.										
75	2	28	1200	5688.										
75	3	1	1400	2350.										
75	2	23	1500	8544.										
75	2	23	1530	8852.										
75	2	23	1600	9132.										
75	2	23	1630	9358.										
75	2	23	1700	9590.										
75	2	23	1730	9851.										
75	2	23	1800	10112.										
75	2	23	1830	10344.										
75	2	23	1900	10576.										
75	2	24	800	14830.										
75	2	24	1030	15504.										
75	2	24	1630	16446.										
75	2	25	430	17296.										
75	2	25	1030	16310.										
75	2	25	1500	15650.										
75	2	25	1630	15485.										
75	2	25	1800	15516.										
75	2	25	2230	15353.										
75	2	25	2400	15419.										
75	2	26	430	15518.										
75	2	26	600	15485.										
75	2	26	1030	15716.										
75	2	26	1200	15716.										
75	2	26	1630	15584.										
75	2	26	1800	15386.										
75	2	26	2230	15122.										
75	2	26	2400	14894.										
75	2	27	430	14126.										
75	2	27	600	13937.										
75	2	27	1030	12770.										
75	2	27	1200	12320.										
75	2	27	1800	10112.										
75	2	27	2400	8208.										
75	2	28	600	6864.										
75	2	28	1200	5688.										
75	3	1	1400	2350.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	2400	FLOW	TOTAL	ORTHOPHOS.	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR	MO	DAY	CFS	PHOS.	MG/L	MG/L	MG/L	MG/L	KJELD	MG/L	MG/L	MG/L	MG/L	MG/L	25C. UNHO
75	3	1	2000	2120.	.345	.062	4.780	.070			158.00	26.70			429.
75	3	2	200	1883.	.275	.064	4.520	.055			105.00	27.50			436.
75	3	2	800	1732.	.305	.069	4.760	.081			123.00	29.00			457.
75	3	2	1400	1624.	.290	.068	4.660	.070			111.00	29.50			474.
75	3	2	2000	1502.	.235	.059	4.480	.045			87.40	29.50			481.
75	3	3	200	1502.	.255	.065	4.580	.067			86.80	31.00			493.
75	3	3	800	1298.	.265	.068	4.540	.069			98.70	31.30			503.
75	3	3	1400	1220.	.230	.065	4.440	.048			84.40	30.90			506.
75	3	3	2000	1140.	.235	.065	4.460	.057			66.30	31.00			523.
75	3	4	200	1080.	.220	.063	4.480	.056			83.20	32.00			534.
75	3	4	1400	964.	.200	.065	4.500	.049			66.60	31.80			537.
75	3	4	2000	911.	.220	.067	4.400	.083			48.40	32.50			551.
75	3	5	200	859.	.185	.060	4.460	.063			38.50	31.90			558.
75	3	5	800	808.	.195	.065	4.380	.079			60.70	33.00			571.
75	3	5	1400	786.	.200	.074	4.460	.084			58.90	35.00			584.
75	3	5	2000	740.	.180	.067	4.380	.070			32.70	34.50			586.
75	3	6	200	716.	.180	.066	4.320	.084			37.10	35.50			602.
75	3	6	800	684.	.180	.066	4.440	.087			50.10	36.20			606.
75	3	6	1400	663.	.155	.053	4.180	.071			40.00	35.90			613.
75	3	6	2000	642.	.170	.062	4.220	.080			43.70	36.10			620.
75	3	7	200	621.	.155	.062	4.340	.094			37.50	36.50			622.
75	3	7	800	632.	.140	.054	4.160	.064			32.80	36.10			634.
75	3	7	1400	705.	.170	.064	4.600	.077			40.90	43.00			637.
75	3	7	2000	898.	.185	.078	5.040	.097			46.30	44.00			635.
75	3	8	200	1400.	.150	.057	4.780	.066			44.50	41.70			627.
75	3	8	800	2626.	.210	.070	5.000	.092			80.60	42.20			505.
75	3	10	1530	2203.	.530	.065	5.040	.221			302.00	26.00	11.50		505.
75	3	10	2130	1960.	.330	.060	5.300	.163			142.00	25.00	13.00		481.
75	3	11	330	1732.	.360	.060	5.400	.179			113.00	27.00	6.30		485.
75	3	11	930	1570.	.340	.068	5.400	.182			136.00	28.00	5.63		496.
75	3	11	1530	1451.	.250	.052	5.490	.135			77.00	28.50	14.10		514.
75	3	12	1530	1240.	.220	.064	5.600	.128			66.80	29.50	15.60		556.
75	3	13	1530	1508.	.170	.063	5.350	.091			54.00	32.00	13.80		596.
75	3	14	1530	2140.	.140	.050	5.140	.060			39.20	30.00	7.02		598.
75	3	15	1530	1750.	.210	.070	5.540	.107			75.70	31.00	11.30		555.
75	3	16	1530	1270.	.220	.065	5.640	.105			79.60	33.00	11.90		543.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION U/CODE : NEAR FREMONT, OHIO

USGS NO. 04190000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIOE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
75	3 17	930	1260.	.067	5.660	.102				49.40	33.00	13.60		568.
75	3 18	900	1570.	.039	5.090	.129				64.00	42.00	8.09		589.
75	3 19	900	2539.	.051	4.990	.221				69.20	53.00	7.94		600.
75	3 20	900	3115.	.050	5.210	.077				97.00	40.00	7.64		487.
75	3 21	900	2392.	.042	4.820	.082				52.90	40.00	7.64		474.
75	3 22	900	1678.	.034	5.000	.069				42.60	40.00	8.01		492.
75	3 23	900	1200.	.039	4.850	.076				33.10	43.00	7.56		534.
75	3 23	2100	1030.	.042	4.790	.069				26.90	45.00	8.36		550.
75	3 24	300	992.	.049	4.590	.084				35.30	46.00	7.72		560.
75	3 24	900	978.	.048	4.550	.062				25.00	45.00	8.20		557.
75	3 24	1500	1150.	.058	4.690	.052				94.70	38.50	9.10		567.
75	3 24	1900	1750.	.070	4.700	.110				327.00	38.00	9.20		564.
75	3 25	700	5400.	.080	4.400	.100				387.00	35.50	9.20		545.
75	3 25	1300	5350.	.070	4.200	.100				873.00	30.00	7.70		513.
75	3 26	100	4190.	.080	4.100	.160				670.00	27.50	9.00		394.
75	3 26	700	3724.	.085	4.600	.170				738.00	27.50	10.10		372.
75	3 26	1300	3253.	.080	4.600	.150				786.00	27.50	10.20		389.
75	3 26	1900	2934.	.065	4.600	.150				795.00	27.00	10.20		392.
75	3 27	100	2626.	.065	4.500	.140				350.00	29.00	8.10		420.
75	3 28	100	1500.	.045	4.100	.150				263.00	29.50	9.00		423.
75	3 28	700	1350.	.065	4.200	.150				496.00	29.50	10.30		435.
75	3 28	1300	1200.	.070	4.300	.180				404.00	31.00	10.50		445.
75	3 28	1900	1080.	.075	4.100	.140					34.00	10.00		459.
75	3 29	100	1020.	.075	4.200	.130				283.00	34.50	10.20		478.
75	3 29	700	1020.	.075	4.000	.150				209.00	43.00	10.20		525.
75	3 29	1300	1160.	.080	4.400	.140				174.00	43.00	9.00		547.
75	3 29	1900	1083.	.090	4.000	.110				141.00	41.00	8.90		557.
75	3 30	100	3796.	.080	4.500	.160				189.00	41.00	9.70		555.
75	3 30	700	4648.	.085	4.800	.190				343.00	38.00	9.00		510.
75	3 30	1300	4674.	.085	5.100	.170				447.00	34.50	8.50		466.
75	3 30	1900	4440.	.085	5.000	.160				484.00	34.00	8.20		433.
75	3 31	100	4240.	.090	5.000	.180				297.00	40.00			414.
75	4 1	1700	2392.	.060	5.590	.165				267.00	40.00			420.
75	4 1	2300	2080.	.050	5.400	.120				220.00	41.00			428.
75	4 2	500	1732.	.050	5.550	.115				199.00	41.00			444.
75	4 2	1100	1405.	.050	5.500	.115								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	4	2 1700	1290.	.214	.045	5.500	.085			170.00	44.00			461.
75	4	2 2300	1168.	.186	.040	5.510	.095			155.00	46.00			479.
75	4	3 500	1100.	.157	.045	5.300	.095			133.00	51.00			499.
75	4	3 1100	1050.	.166	.050	5.300	.090			127.00	55.00			518.
75	4	3 1700	1010.	.143	.050	5.200	.085			115.00	57.00			535.
75	4	3 2300	978.	.071	.045	5.320	.090			96.70	56.00			549.
75	4	4 2300	846.	.071	.040	4.800	.070			66.40	64.00			597.
75	4	5 2300	728.	.071	.030	4.650	.060			54.80	67.00			626.
75	4	6 2300	642.	.064	.045	4.380	.045			40.10	73.00			644.
75	4	7 2300	581.	.071	.040	4.100	.045			36.10	76.00			661.
75	4	8 1230	543.	.120	.090	3.600	.030			41.10	43.00			665.
75	4	9 200	514.	.100	.100	3.650				38.00	42.00			679.
75	4	15 1900	312.	.085	.030	2.100	.260			25.90	60.00			674.
75	4	16 1900	299.	.085	.015	1.750	.180			20.60	61.00			669.
75	4	17 1900	286.	.075	.005	1.700	.130			26.70	65.00			671.
75	4	18 1900	275.	.090	.005	1.700	.155			21.70	65.00			688.
75	4	19 1900	312.	.105	.010	1.650	.090			27.50	68.00			694.
75	4	20 1900	299.	.120	.010	1.500	.070			26.90	71.00			716.
75	4	21 1900	292.	.110	.010	1.500	.070			20.80	70.00			715.
75	4	22 1000	286.	.095	.040	1.800	.210			22.30	62.50			713.
75	4	23 1000	267.	.127	.040	1.700	.310			44.10	61.00			720.
75	4	24 1000	299.	.133	.020	1.700	.190			47.10	65.00			733.
75	4	25 1000	454.	.122	.020	1.800	.135			56.00	67.00			745.
75	4	26 1000	684.	.296	.010	1.800	.100			165.00	63.00			745.
75	4	27 1000	716.	.323	.010	1.500	.065			224.00	62.00			733.
75	4	28 1000	543.	.169	.010	2.200	.035			94.90	70.00			722.
75	4	29 400	480.	.159	.010	2.000	.030			91.70	64.00			724.
75	4	29 900	543.		.049	2.200	.061			66.10				734.
75	4	30 900	514.		.063	2.400	.063			127.00				724.
75	5	1 900	572.		.043	2.000	.050			168.00				717.
75	5	2 900	642.		.032	1.900	.102			119.00				699.
75	5	3 900	562.		.027	1.800	.135			83.00				706.
75	5	4 900	505.		.027	1.500	.112			97.60				710.
75	5	5 900	454.		.032	1.600	.093			83.70				703.
75	5	6 300	471.		.030	1.400	.107			194.00				678.
75	5	6 1700	924.	.152	.047	2.580	.009			49.20	42.00			666.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04190000

SAMPLING DATE VR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NO-3 MG/L	MN-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	5	7	1700	2455.	.239	.080	5.410	.113			87.90	29.50	8.14		575.
75	5	8	1700	1732.	.252	.091	6.760	.012			92.10	27.00	11.90		521.
75	5	8	1700	1030.	.178	.060	5.310	.020			45.20	30.00	11.70		576.
75	5	9	1700	705.	.145	.052	5.820	.042			30.20	31.00	10.40		571.
75	5	10	1700	534.	.116	.040	4.340	.042			11.00	34.00	10.40		593.
75	5	11	1700	471.	.109	.029	3.790	.043			20.20	34.00	10.00		611.
75	5	15	930	368.		.012	2.450	.592			14.10	46.00	5.55		656.
75	5	16	930	345.		.022	2.270	.139			14.80	49.00	4.62		678.
75	5	17	930	332.		.025	1.920	.112			7.50	51.00	3.44		701.
75	5	18	930	338.		.013	1.680	.088			9.70	51.00	5.14		707.
75	5	19	930	312.			1.290	.106			2671.00	52.00	1.95		712.
75	5	27	945	642.	2.180	.048	.050	.175			942.00	56.00	13.40		555.
75	5	27	1545	524.	1.270	.066	.470	.217			538.00	48.00	15.30		556.
75	5	27	2145	471.	.895	.050	.120	.320			996.00	59.00	16.40		606.
75	5	28	345	524.	1.350	.055	.180	.640			1073.00	59.00	14.60		656.
75	5	28	945	674.	1.290	.080	.060	.510			468.00	61.00	13.30		654.
75	5	28	1545	859.	.776	.038	.100	.600			264.00	63.00	13.80		683.
75	5	28	2145	937.	.557	.067	.100	.751			344.00	64.00	12.90		724.
75	5	29	345	924.	.626	.062	.100	.848			241.00	64.00	12.00		719.
75	5	29	945	846.	.560	.057	.050	.934			235.00	65.00	13.30		693.
75	5	29	1545	652.	.635	.067	.040	.920			224.00	75.00	12.50		694.
75	5	29	2145	552.	.599	.056	.030	.920			310.00	77.00	13.00		732.
75	5	30	345	480.	.784	.060	.020	1.050			235.00	78.00	12.50		735.
75	5	30	945	420.	.704	.049	.010	1.020			226.00	75.00	12.10		742.
75	5	30	1545	382.	.676	.040		.918			274.00	75.00	10.80		734.
75	5	30	2145	352.	.709	.040		.780			537.00	75.00	11.20		738.
75	5	31	345	325.	1.010	.050		.620			290.00	72.00	10.30		723.
75	5	31	945	299.	.734	.032		.590			290.00	72.00	10.20		711.
75	5	31	1545	279.	.657	.025		.327			1597.00	72.00	8.90		715.
75	5	31	2145	279.	.657	.018					287.00	83.00	11.00		771.
75	6	1	945	267.	2.020	.060		1.360			375.00	83.00	11.40		779.
75	6	1	1545	255.	.914	.020		1.160			323.00	81.00	11.20		776.
75	6	1	2145	237.	.887	.036	.020	1.400			499.00	79.00	11.80		752.
75	6	2	345	225.	.826	.039	.020	1.600			350.00	76.00	14.50		612.
75	6	2	945	213.	1.030	.040	.450	1.380							
75	6	2			.784	.015		1.240							

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	6	2 1000	.673	.055	.048	.922				326.00	49.00	14.50		667.
75	6	2 1600	.887	.056	.027	.107				456.00	42.00	13.60		667.
75	6	2 2200	.863	.055	.027	.836				437.00	45.00	15.00		696.
75	6	3 400	.867	.040	.023	.107				726.00	49.00	15.20		747.
75	6	3 1000	.824	.064	.020	.135				391.00	53.00	14.60		749.
75	6	3 1600	.931	.040	.025	.131				524.00	52.00	14.90		704.
75	6	3 2200	.785	.040	.020	.984				469.00	45.00	12.50		690.
75	6	4 400	.819	.042	.015	.740				438.00	43.00	15.20		691.
75	6	4 1000	.926	.040	.015	.685				303.00	43.00	16.10		712.
75	6	4 1600	.770	.055	.013	.515				524.00	44.00	15.40		699.
75	6	4 2200	.629	.055	6.300	.062				390.00	44.00	14.70		660.
75	6	5 400	.478	.060	7.620	.034				765.00	44.00	15.10		667.
75	6	5 1000	.958	.106	1.080	.038				2975.00	51.00	15.30		627.
75	6	5 1600	1.490	.060	1.200	.748				1671.00	48.00	15.40		665.
75	6	5 2200	1.500	.060	1.700	.551				3359.00	49.00	14.80		639.
75	6	6 400	1.430	.058	1.700	.455				1671.00	48.00	15.40		650.
75	6	6 1000	.736	.063	6.900	.080				409.00	38.00	15.80		644.
75	6	6 1600	1.090	.028	5.490	.069				1017.00	36.00	14.60		605.
75	6	6 2200	1.250	.040	5.520	.164				1326.00	36.00	14.00		602.
75	6	7 400	.692	.070	6.420	.040				427.00	34.00	13.70		595.
75	6	7 1000	.585	.060	6.300	.036				379.00	34.00	14.30		579.
75	6	7 1600	.604	.067	5.400	.035				424.00	36.00	14.20		615.
75	6	7 2200	.532	.063	6.100	.030				356.00	35.00	14.20		573.
75	6	8 400	.585	.060	6.270	.030				369.00	36.00	14.70		659.
75	6	8 1000	.595	.060	6.220	.025				408.00	37.00	12.20		659.
75	6	8 1600	.444	.067	6.600	.020				292.00	36.00	14.00		642.
75	6	8 2200	.375	.062	6.700	.030				200.00	37.00	15.20		603.
75	6	9 400	.697	.070	6.140	.025				483.00	38.00	15.40		521.
75	6	9 1000	.362	.073	7.710	.035				292.00	40.50	14.50		619.
75	6	9 1600	.984	.075	5.020	.038				1311.00	44.00	14.00		622.
75	6	9 2200	.403	.100	8.310	.039				344.00	46.20	14.50		644.
75	6	10 400	.417	.087	8.200	.036				248.00	47.50	14.00		657.
75	6	10 1000	.408	.109	8.000	.061				334.00	48.00	14.40		648.
75	6	10 1600	.440	.125	7.160	.070				211.00	49.00	13.90		653.
75	6	10 2200	.366	.080	7.110	.066				191.00	50.00	13.90		658.
75	6	11 400	.389	.082	6.990	.038				187.00	50.80	14.00		697.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
75	6 11 1000	219.	.348	.077	6.580	.055				142.00	51.50	13.60		696.
75	6 11 1600	219.	.348	.072	6.090	.060				138.00	58.00	13.20		693.
75	6 11 2200	213.	.403	.073	6.020	.066				180.00	57.80	13.00		712.
75	6 12 400	288.	.366	.073	5.920	.087				145.00	58.00	13.50		736.
75	6 12 1000	202.	.261	.068	5.680	.155				78.40	58.00	13.30		720.
75	6 12 1600	197.	.247	.046	4.950	.174				75.90	58.20	12.70		720.
75	6 12 2200	191.	.229	.051	5.000	.175				67.70	59.80	13.00		739.
75	6 13 400	185.	.220	.057	4.860	.110				65.90	59.20	12.90		757.
75	6 13 1000	180.	.224	.058	4.370	.150				69.50	59.80	11.80		738.
75	6 13 1600	169.	.234	.033	3.690	.163				75.90	59.80	10.80		711.
75	6 13 2200	163.	.220	.024	3.590	.191				68.90	68.50	11.20		715.
75	6 14 400	158.	.229	.035	3.600	.164				65.60	60.80	10.10		747.
75	6 14 1000	153.	.266	.058	3.400	.156				62.90	60.00	11.30		727.
75	6 14 1600	148.	.224	.024	3.080	.079				77.30	60.50	10.90		698.
75	6 15 400	163.	.215	.017	2.880	.100				71.40	61.00	9.60		702.
75	6 15 1000	191.	.261	.021	3.040	.020				72.30	62.50	10.80		721.
75	6 15 1600	249.	.344	.040	2.900	.020				81.50	61.00	11.00		716.
75	6 15 2200	299.	.311	.030	3.390	.018				120.00	61.50	10.80		700.
75	6 16 400	437.	.357	.063	4.330	.020				129.00	62.80	11.20		713.
75	6 16 1000	524.	.312	.078	7.850	.060				163.00	62.00	11.80		717.
75	6 23 1030	390.	.915	.095	7.250	.020				146.00	33.10	15.20		682.
75	6 24 1030	338.	.362	.081	5.400	.017				145.00	36.10	14.60		643.
75	6 25 1030	632.	.940	.068	3.850	.037				156.00	35.40	12.80		585.
75	6 26 1030	273.	.296	.081	5.430	.023				758.00	18.70	13.40		389.
75	6 27 1030	273.	.273	.080	5.530	.019				172.00	27.30	14.00		558.
75	6 28 1030	180.	.315	.060	4.750	.017				146.00	30.00	20.80		587.
75	6 29 1030	138.	.226	.054	4.150	.015				285.00	30.20	14.50		567.
75	6 30 430	123.	.226	.051	3.880	.012				100.00	37.50	13.60		608.
75	6 30 1030	113.	.140	.042	4.100	.020				111.00	38.10	12.50		656.
75	7 1 1030	92.	.164	.064	3.660	.018				71.70	45.50	17.60		627.
75	7 2 1030	86.	.116	.046	3.170	.012				65.90	40.90	20.20		608.
75	7 3 1030	68.	.140	.058	3.130	.038				58.50	39.70	18.30		591.
75	7 4 1030	68.	.144	.063	2.780					49.00	39.00	19.20		592.
75	7 5 1030	68.	.128	.021	1.810	.028				48.90	43.20	16.60		599.
75	7 6 1030	72.	.140	.009	.799					40.00	49.80	10.70		601.
75	7 6 1030									47.30	49.90	7.24		549.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COO MG/L	SUSPEND SOLIDS MG/L	CHLO AIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	7	7	430	55.						46.30	50.80	7.58		576.
75	7	7	945	55.	.460	.080				36.60	53.00	6.60		581.
75	7	8	945	55.	.500	.050				94.10	51.50	6.80		569.
75	7	9	945	72.	.280	.073				47.20	50.50	5.90		583.
75	7	10	945	55.	.480	.105				35.00	58.00	7.70		622.
75	7	11	945	49.	.680	.115				50.10	54.00	8.50		598.
75	7	12	945	40.	.600	.080				37.00	57.50	8.20		644.
75	7	13	945	46.		.027				32.90	57.50	10.50		654.
75	7	14	345	49.		.035				53.30		7.60		691.
75	7	14	1100	52.	.750	.310				24.80	64.00			643.
75	7	14	2300	52.	.630	.270				33.80	63.50			671.
75	7	15	1100	58.	.500	.280				30.90	63.50			669.
75	7	15	2300	72.	.230	.223				47.40	61.80			654.
75	7	16	1100	86.	.100	.238				47.80	60.50			651.
75	7	16	2300	82.	.100	.195				80.50	62.10			667.
75	7	17	1100	82.	.100	.238				47.00	61.80			661.
75	7	17	2300	113.	.030	.172				105.00	65.20			681.
75	7	18	1100	133.		.180				58.80	60.80			691.
75	7	18	2300	100.		.070				95.30	62.00			709.
75	7	19	1100	92.		.075				31.20	62.70			693.
75	7	19	2300	86.		.020				48.60	62.20			711.
75	7	20	1100	78.		.038				41.90	65.10			718.
75	7	20	2300	75.		.020				41.90	62.40			718.
75	7	21	500	78.	.030	.035				155.00				
75	7	21	1115	78.		.075				119.00	52.00	.51		762.
75	7	22	1115	82.		.095				50.30	56.00	.47		772.
75	7	23	1115	86.		.072				192.00	57.00	.66		758.
75	7	24	1115	92.		.178				129.00	51.00	.65		722.
75	7	25	1115	68.		.075				66.60	52.00	.87		734.
75	7	26	1115	55.		.035				50.60	56.00	1.09		753.
75	7	27	1115	46.		.034				51.70	60.00	1.27		747.
75	7	28	515	40.		.055				65.70	76.00	1.58		729.
75	7	28	1045	40.	.050	.230				35.40	84.00	4.16		859.
75	7	29	1045	34.	.030	.088				48.30	66.00	4.72		748.
75	7	30	1045	29.	.020	.148				44.90	74.00	4.42		755.
75	7	31	1045	26.	.020	.090				45.90	78.00	5.36		767.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	8	1	1045	20.										
75	8	2	1045	.224	.090	.099				52.00	80.00	5.77		767.
75	8	3	1045	.208	.060	.050				44.20	84.00	4.98		777.
75	8	4	445	.212	.070	.033				66.90	76.00	5.72		720.
75	8	4	445		.070	.060				57.10		4.29		
75	8	4	1100		.053	.100						1.81		
75	9	16	900	.260	.037	.580				26.10		10.90		
75	9	17	900	.230	.026	.870				24.60		12.00		
75	9	18	900	.230	.026	.840				21.20		10.40		
75	9	19	900	.360	.043	1.110				96.60		11.70		
75	9	20	900	1.250	.073	1.420				862.00		10.80		
75	9	21	900	.360	.054	1.370				88.00		11.90		
75	9	22	900	.350	.057	1.990				246.00		10.80		
75	9	23	300	.320	.096	1.970						11.60		
75	9	29	1200	.280		2.080				80.30	37.00	11.90		606.
75	9	30	1200	.390		2.070				49.40	35.00	20.00		581.
75	10	1	1200	.240		2.360				40.80	40.00	10.90		601.
75	10	2	1200	.231.		2.380				39.10	44.00	10.30		604.
75	10	3	1200	.190		2.290				27.80	38.00	9.70		624.
75	10	4	1200	.170		2.180				22.40	40.00	10.50		636.
75	10	5	1200	.180		2.040				23.30	40.00	8.69		657.
75	10	6	600	.170		1.870				23.80	24.00	9.96		685.
75	10	6	1200	.117		1.760				19.30	33.00	10.00		694.
75	10	7	1200	.103	.036	1.390				16.40	33.00	9.10		780.
75	10	8	1200	.233	.076	1.320				15.40	33.00	8.12		719.
75	10	9	1200	.163	.046	1.280				26.80	32.00	7.47		742.
75	10	10	1200	.163	.059	1.060				13.00	35.00	8.14		741.
75	10	11	1200	.119	.021	.640				13.30	36.00	5.65		737.
75	10	12	1200	.114	.014	.450				21.90	36.00	4.89		744.
75	10	13	600	.356	.019	.350				16.40	30.00	4.85		753.
75	10	13	1220	.121	.017	.340				22.50	58.00	4.00		742.
75	10	13	1820	.103	.013	.190				15.20	58.00	6.09		702.
75	10	14	20	.117	.015	.190				14.00	58.00	3.40		737.
75	10	14	620	.140	.012	.220				18.60	62.00	3.29		764.
75	10	14	1220	.113	.006	.100				19.00	60.00	1.86		735.
75	10	14	1820	.094	.003	.030				16.80	59.00	2.83		683.
75	10	15	20	.117	.008	.020				19.00	57.00	3.34		710.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 10 15	620	89.	.136	.010	.020	.077				27.80	56.00	3.05		739.
75 10 15	1220	89.	.127	.006	.010	.127				19.50	60.00	2.30		739.
75 10 15	1820	89.	.116	.017	.020	.071				17.10	49.00	2.54		708.
75 10 16	20	100.	.140	.001	.020	.064				14.70	56.00	1.42		729.
75 10 16	620	92.	.101	.024	.020	.106				14.00	32.00	1.79		736.
75 10 16	1220	96.	.101	.006	.010	.060				12.00	50.00	2.39		714.
75 10 16	1820	100.	.145	.036	.010	.088				12.60	35.00	2.18		702.
75 10 17	20	89.	.135	.003	.010	.037				14.50	54.00	2.15		734.
75 10 17	620	92.	.152	.024	.010	.096				14.30	35.00	2.15		753.
75 10 17	1220	104.	.113	.007	.010	.028				13.00	65.00	3.23		755.
75 10 17	1820	96.	.098	.041	.020	.089				12.10	34.00	2.67		729.
75 10 18	20	261.	.100	.004	.010	.023				13.40	60.00	2.17		729.
75 10 18	620	133.	.143	.038	.090	.085				15.40	37.00	3.85		736.
75 10 18	1220	978.	.296	.057	1.470	.041				66.90	62.00	5.84		745.
75 10 18	1820	505.	.530	.112	2.490	.102				168.00	44.00	7.41		723.
75 10 19	220	1606.	.715	.049	2.640	.055				316.00	54.00	7.01		727.
75 10 19	620	1400.	.798	.044	2.670	.068				410.00	50.00	8.61		721.
75 10 19	1220	1350.		.016	2.330	.062				248.00		8.61		
75 10 19	1820	1485.		.020	1.790	.102				325.00		8.61		
75 10 20	20	1100.		.026	3.000	.088				379.00		8.77		
75 10 20	620	1220.	.389	.070	4.510	.099				125.00	44.00	9.37		656.
75 10 20	1225	1090.	.210	.060	4.670	.093				52.50	39.00	10.20		627.
75 10 21	1225	937.	.170	.043	3.430	.055				40.70	42.00	10.00		699.
75 10 22	1225	694.	.160	.030	3.200	.035				38.70	43.00	10.00		720.
75 10 23	1225	505.	.140	.041	3.790	.084				34.00	44.00	11.10		724.
75 10 24	1225	390.	.100	.034	2.840	.036				28.00	43.00	10.20		745.
75 10 25	1225	319.	.130	.043	2.430	.041				24.50	46.00	9.07		746.
75 10 26	1225	267.	.120	.052	2.330	.026				18.70	46.00	9.88		733.
75 10 27	625	243.	.110	.038	2.200	.009				26.60	40.00	8.59		753.
75 10 27	1430	237.	.140	.036	2.110	.118				25.00	42.00	8.95		750.
75 10 28	1430	208.	.120	.046	1.840	.080				15.60	49.00	5.80		760.
75 10 29	1430	185.	.120	.018	1.720	.088				15.40	45.00	5.12		750.
75 10 30	1430	169.	.110	.010	1.580	.055				11.50	50.00	4.75		748.
75 10 31	1430	163.	.100	.003	1.380	.063				15.10	46.00	3.46		741.
75 11 1	1430	148.	.080	.001	1.250	.056				8.10	52.00	2.64		777.
75 11 2	1430	138.	.080		1.080	.015				28.40	50.00	4.71		749.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 11 3	830	145.	.150	.011	1.100	.052				13.40	46.00	1.56		819.
75 11 3	1230	145.	.093	.020	.960	.084				32.50	88.00	3.71		761.
75 11 4	1230	145.	.093	.017	.840	.104				34.60	86.00	2.77		772.
75 11 5	1230	138.	.118	.011	.780	.042				39.30	77.00	3.65		767.
75 11 11	1540	213.	.093	.093	.190	.031				15.10	62.00	.77		812.
75 11 12	1540	267.	.106	.055	.290	.034				29.00	63.00	1.54		821.
75 11 13	1540	286.	.085	.044	.250	.035				16.20	58.00	1.95		845.
75 11 14	1540	279.	.088	.012	.160	.019				36.00	59.00	1.29		836.
75 11 15	1540	237.	.062	.002	.240	.014				8.10	58.00	2.36		838.
75 11 16	1540	197.	.043	.001	.270	.013				6.40	64.00	2.91		818.
75 11 17	940	180.	.040	.007	.410	.017				7.40	63.00	2.90		867.
75 11 24	1730	123.	.350	.064	.340	.097				9.20	70.00	1.91		824.
75 11 25	1730	123.	.410	.068	.320	.085				5.60	68.00	.76		818.
75 11 26	1730	118.	.410	.071	.360	.062				10.10	63.00	.52		804.
75 11 27	1730	123.	.350	.072	.480	.086				7.40	72.00	.57		833.
75 11 28	1730	118.	.458	.095	.690	.105				4.00	70.00	.49		833.
75 11 29	1730	123.	.340	.058	.740	.075				4.70	70.00	1.14		847.
75 11 30	1730	145.	.360	.064	.650	.048				4.20	74.00	1.06		844.
75 12 1	1130	163.	.340	.065	.980	.073				3.70	78.00	1.76		882.
75 12 2	1730	243.	.141	.020	.900					2.60	56.00			879.
75 12 3	1730	338.	.129	.020	.750	.140				4.90	53.00			886.
75 12 4	1730	338.	.106	.020	.700	.150				6.30	54.00			886.
75 12 5	1730	267.	.059	.020	.800	.130				4.40	50.00			881.
75 12 6	1730	292.	.170	.040	1.100	.090				4.20	50.00			890.
75 12 7	1730	786.	.206	.080	1.600	.310				36.10	50.00			838.
75 12 8	330	797.	.223	.080	2.100	.140				33.80	55.00			802.
75 12 8	1730	652.	.238	.120	2.600	.135				39.50	56.00			792.
75 12 9	1730	652.	.254	.140	3.000	.190				33.90	48.00			718.
75 12 10	1730	514.	.200	.120	3.100	.160				25.40	49.00			755.
75 12 11	1730	462.	.214	.130	3.500	.220				24.50	48.00			740.
75 12 12	1730	390.	.184	.120	3.400	.180				17.10	48.00			760.
75 12 13	1730	454.	.162	.100	3.000	.180				8.70	48.00			762.
75 12 14	1730	652.	.183	.090	3.200	.120				17.80	47.00			778.
75 12 14	2330	663.	.180	.090	3.100	.060				22.70	48.00			776.
75 12 15	530	705.	.199		3.100	.060				31.70	47.00			776.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 12 15	1130	898.	.187	.080	3.000	.050				35.30	46.00			765.
75 12 15	1200	911.	.213	.100	3.400	.030				58.50	41.00			728.
75 12 15	1800	1502.	.252	.100	3.500	.060				105.00	41.00			732.
75 12 15	2400	2648.	.295	.100	3.700	.070				117.08	39.00			698.
75 12 16	600	3437.	.674	.100	4.300	.070				49.50	35.00			616.
75 12 16	1200	3916.	.604	.090	4.500	.080				302.00	34.00			576.
75 12 16	1800	3748.	.504	.090	4.500	.070				210.00	35.00			592.
75 12 16	2400	3604.	.517	.090	4.900	.100				216.00	31.00			547.
75 12 17	600	3556.	.535	.100	5.900	.130				188.00	34.00			546.
75 12 17	1200	3508.	.492	.090	6.100	.120				193.00	35.00			559.
75 12 17	1800	3368.	.452	.080	6.200	.110				174.00	35.00			571.
75 12 17	2400	3161.	.480	.080	6.600	.140				180.00	34.00			549.
75 12 18	600	2846.	.429	.080	6.600	.180				144.00	34.00			546.
75 12 18	1200	2497.	.381	.070	6.600	.160				135.00	34.00			542.
75 12 19	1200	1394.	.264	.090	6.700	.130				59.50	35.00			572.
75 12 20	1200	808.	.168	.090	6.200	.130				30.40	37.00			640.
75 12 21	1200	674.	.140	.080	6.000	.140				24.30	38.00			668.
75 12 22	600	534.	.147	.080	6.000	.140				29.20	38.00			675.
76 1 5	1230	2453.	.290	.090	6.400	.130				43.40	30.00			536.
76 1 5	1830	1400.	.559	.050	6.400	.370				259.00	33.00			539.
76 1 6	30	920.	.203	.080	6.800	.370				47.40	35.00			571.
76 1 6	630	920.	.196	.080	7.000	.380				38.60	36.00			563.
76 1 6	1230	920.	.183	.080	7.200	.360				37.00	37.00			615.
76 1 12	1145	500.		.070	4.100	.320		.860		11.10	43.00			
76 1 12	1745	500.	.166					.963		6.20	50.00			
76 1 12	2345	500.	.162	.110	3.500	.350		.826		15.90	46.00			
76 1 13	1145	800.	.214	.130	3.500	.330		.906		17.70	43.00			
76 1 13	2345	800.	.187	.110	3.600	.360		.848		17.50	42.00			
76 1 14	1145	1200.	.159	.110	3.300	.360		.963		12.20	42.00			
76 1 14	2345	1200.	.160	.110	3.100	.490		.803		10.90	46.00			
76 1 15	1145	1600.	.144	.110	3.100	.460		.917		10.40	46.00			
76 1 15	2345	1600.	.163	.110	3.100	.500		.963		9.10	47.00			
76 1 16	1145	1900.	.150	.130	3.100	.520		.711		16.10	51.00			
76 1 16	2345	1900.	.130	.130	3.100	.310				5.10	40.00			691.
76 1 19	1140	900.	.197	.080	2.800	.320				4.90	47.00			746.
76 1 20	1140	760.	.123	.080	2.800	.320								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPENDED SOLIDS MG/L	CHLORIDE MG/L	S102 MG/L	IRON MG/L	COND 25C. UMHO
76	1 21 1140	660.	.104	.070	2.800	.260				4.50	43.00			755.
76	1 22 1140	500.	.099	.070	2.700	.270				4.70	40.00			749.
76	1 23 1140	520.	.102	.060	2.700	.300				3.20	49.00			823.
76	1 24 540	490.	.194	.130	1.100	.270				21.40	24.00			331.
76	1 26 1145	7200.	.550	.120	1.400	.400				229.00	34.00			357.
76	1 26 1745	7200.	.087	.100	1.300	.260				441.00	23.00			209.
76	1 26 2345	7200.	.669	.100	1.300	.530				394.00	19.00			235.
76	1 27 545	8500.	.669	.110	1.300	.560				327.00	17.00			209.
76	1 27 1145	8500.	.543	.100	1.500	.930				222.00	18.00			207.
76	1 27 1745	8500.	.566	.130	1.600	.760				23.30	18.00			210.
76	1 27 2345	8500.	.449	.120	1.900	.610				151.00	18.00			223.
76	1 28 545	6600.	.413	.140	2.100	.710				116.00	18.00			241.
76	1 28 1145	6600.	.366	.110	2.300	.550				98.70	21.00			259.
76	1 28 1745	6600.	.393	.120	2.400	.570				100.00	22.00			272.
76	1 28 2245	6600.	.394	.110	2.500	.530				114.00	21.00			275.
76	1 29 545	4000.	.361	.120	2.500	.420				95.90	21.00			274.
76	1 29 1145	4000.	.359	.090	2.600	.650				106.00	21.00			279.
76	1 29 1745	4000.	.374	.110	2.700	.290				120.00	21.00			280.
76	1 29 2245	4000.	.362	.100	2.700	.350				112.00	21.00			290.
76	1 30 545	2000.	.337	.120	2.900	.430				91.20	21.00			308.
76	1 30 1145	2000.	.301	.120	2.900	.420				64.80	21.00			316.
76	1 30 1745	2000.	.294	.120	3.000	.400				57.30	21.00			334.
76	1 30 2245	2000.	.290	.110	3.100	.510				66.70	21.00			342.
76	1 31 545	1200.	.261	.120	3.200	.360				39.60	23.00			361.
76	1 31 1145	1200.	.236	.100	3.300	.370				32.10	24.00			374.
76	1 31 1745	1200.	.273	.110	3.400	.270				55.00	24.00			403.
76	1 31 2245	1200.	.260	.100	3.500	.320				50.20	24.00			406.
76	2 1 545	800.	.251	.100	3.500	.320				47.60	25.00			433.
76	2 1 1145	800.	.215	.100	3.500	.220				32.60	25.00			454.
76	2 1 1745	800.	.222	.090	3.600	.360				35.30	26.00			478.
76	2 1 2245	800.	.191	.090	3.700	.360				21.90	26.00			484.
76	2 2 1300	600.		.160	2.800	.240				47.50	20.00			401.
76	2 4 1300	540.		.060	2.500	.210				34.60	20.00			431.
76	2 4 1900	540.		.080	3.400	.240				93.90	28.00			610.
76	2 5 100	500.		.050	3.300	.270				31.50	28.00			595.
76	2 8 1900	460.		.060	3.100	.280				0.10	35.00			710.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	2	9	100	450.						3.30	36.00			748.
76	2	9	700	450.						1.60	36.00			760.
76	2	9	1130	450.				.800		6.30	49.00			745.
76	2	9	1730	450.						3.30	34.00			.50 742.
76	2	9	2330	450.						4.30	45.00			.70 751.
76	2	10	530	1000.						9.40	37.00			.80 773.
76	2	10	1130	1000.				.800		9.90	61.00			1.10 860.
76	2	10	1730	1000.						46.00	44.00			2.10 668.
76	2	10	2230	1000.						64.60	98.00			2.90 499.
76	2	11	530	3500.						67.60	79.00			3.20 507.
76	2	12	1130	5400.				1.100		123.00	80.00			6.50 302.
76	2	12	1730	5400.						121.00	86.00			6.40 305.
76	2	12	2330	5400.						137.00	83.00			7.20 328.
76	2	13	530	3400.						84.60	81.00			7.00 319.
76	2	13	1130	3400.				1.400		84.30	81.00			319.
76	2	13	1730	3400.				1.400		81.30	69.00			330.
76	2	13	2330	3400.						161.00	54.00			8.20 324.
76	2	14	530	2900.						165.00	55.00			8.40 323.
76	2	14	1130	2900.						101.00	45.00			6.80 317.
76	2	14	1730	2900.				1.400		135.00	51.00			6.90 322.
76	2	14	2330	2900.						125.00	45.00			6.20 319.
76	2	15	530	2200.						162.00	37.00			7.70 328.
76	2	15	1130	2500.				1.500		97.60	37.00			6.10 342.
76	2	15	1730	2500.						73.78	36.00			5.50 359.
76	2	15	2330	2500.						110.00	32.00			6.30 377.
76	2	16	530	2200.				1.500		163.00	26.00			7.70 395.
76	2	16	1130	2200.						176.00	24.00			8.50 409.
76	2	16	1700	2200.						125.00	23.00			414.
76	2	17	500	11000.						315.00	23.00			393.
76	2	17	1100	11000.						685.00	19.00			329.
76	2	17	1700	11000.						1079.00	17.00			295.
76	2	23	1730	6210.						1116.00	16.00			265.
76	2	24	1130	4490.				1.100		178.00	24.90			403.
76	2	25	530	2910.				1.500		136.00	25.00			419.
76	2	26	1130	2050.				1.700		99.70	26.00			459.
76	2	26	1130	2050.						71.80				530.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FRENONT, OHIO

USGS NO. 04190000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
76	2 26	1730	2050.	.040	4.300	.030		1.200		67.00	20.00			558.
76	2 27	1730	1560.	.050	4.000	.070		.900			28.50			579.
76	2 28	1730	1180.	.050	4.100	.070		1.000		63.50	29.50			602.
76	2 29	1730	918.	.050	4.000	.120		1.200		53.40	30.50			613.
76	3 1	530	750.	.040	3.800	.060				51.80	30.20			647.
76	3 1	1150	750.	.060	3.800	.060				36.90	28.00			647.
76	3 2	1150	655.	.060	3.900	.160				33.00	26.00			667.
76	3 2	2350	655.	.050	3.700	.080					30.00			672.
76	3 3	550	721.	.050	3.700	.300					31.00			670.
76	3 3	1150	721.	.060	3.600	.120				43.70	32.00			661.
76	3 3	1750	721.	.070	3.700	.110				207.00	32.00			516.
76	3 3	2350	721.	.086	3.400	.050				711.00	25.00			482.
76	3 4	550	1845.	.070	3.600	.050				477.00	22.00			461.
76	3 4	1150	3184.	.070	3.500	.060				504.00	22.00			408.
76	3 4	1750	5714.	.070	3.300	.080				535.00	21.00			375.
76	3 4	2350	7539.	.050	3.900	.080				402.00	19.00			388.
76	3 5	550	8348.	.628	3.600	.050				335.00	19.00			385.
76	3 5	1150	8852.	.596	4.000	.060				492.00	19.00			371.
76	3 5	1750	8768.	.596	3.900	.070				357.00	18.00			374.
76	3 5	2350	8516.	.603	3.700	.100				333.00	18.00			369.
76	3 6	550	8208.	.622	3.700	.100				355.00	18.00			366.
76	3 6	1750	7648.	.613	3.600	.250				357.00	18.00			365.
76	3 6	2350	6756.	.589	3.600	.080				324.00	17.00			374.
76	3 7	550	6378.	.526	3.600	.120				269.00	17.00			379.
76	3 7	1150	6000.	.505	3.700	.080				267.00	17.00			404.
76	3 7	1750	5454.	.502	3.800	.080				166.00	17.00			415.
76	3 7	2350	4804.	.442	3.800	.100				193.00	18.00			409.
76	3 8	550	4115.	.417	3.900	.090				179.00	18.00		14.20	475.
76	3 8	1130	2308.	.050	4.100	.170		1.200		177.00	25.00		10.00	527.
76	3 9	1130	1553.	.060	4.100	.120		.600		89.20	28.00		6.30	568.
76	3 10	1130	998.	.070	4.000	.230		.700		57.90	30.00		4.20	599.
76	3 11	1130	772.	.060	3.800	.130		.200		40.30	32.00		3.00	623.
76	3 12	1130	686.	.070	3.600	.130		1.000		34.30	33.00		2.30	
76	3 13	1130	650.	.060	3.500	.080				36.20	34.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION U/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
76 3 14 1130	692.	.107	.060	3.300	.060		.100		28.30	34.00		2.00	637.
76 3 15 530	860.	.114	.070	3.200	.090				23.80	34.00		2.10	646.
76 3 15 1150	873.	.118	.020	3.100	.390		1.700		21.80	28.00			672.
76 3 16 1150	670.	.164	.030	3.000	.090		2.500		58.30	30.00			650.
76 3 17 1150	544.	.144	.040	3.000	.090		1.900		51.30	34.00			667.
76 3 18 1150	473.	.125	.030	2.900	.030		3.000		54.10	31.00			644.
76 3 19 1150	407.	.115	.020	2.800	.040		1.500		31.20	34.00			664.
76 3 20 1150	660.	.118	.020	2.800	.020		1.600		34.20	33.00			696.
76 3 21 1150	772.	.116	.010	2.700	.030		1.800		80.30	34.00			691.
76 3 22 550	1864.	.204	.010	2.600	.060				102.00	32.00			668.
76 3 22 1200	2140.	.214	.030	2.900	.150				368.00	27.00			625.
76 3 23 1200	2371.	.680	.050	3.500	.080				338.00	27.00			481.
76 3 23 1800	2020.	.543	.050	3.400	.010				308.00	27.00			470.
76 3 23 2400	1696.	.528	.040	3.500	.050				270.00	26.00			462.
76 3 24 600	1417.	.505	.040	3.500	.080				228.00	25.00			461.
76 3 24 1200	1102.	.445	.040	3.300	.010				232.00	25.00			473.
76 3 24 1800	1012.	.506	.040	3.300	.120				207.00	25.00			477.
76 3 24 2400	886.	.481	.040	3.400	.630				186.00	25.00			484.
76 3 25 600	795.	.433	.030	3.400	.080				139.00	26.00			492.
76 3 25 1200	726.	.387	.030	3.400					126.00	27.00			509.
76 3 25 1800	680.	.348	.030	3.300					105.00	29.00			521.
76 3 25 2400	650.	.316	.020	3.400	.010				77.40	29.00			536.
76 3 26 1200	590.	.272	.030	3.200	.030				53.30	29.00			561.
76 3 27 1200	499.	.200	.020	2.900					45.00	29.00			604.
76 3 28 1200	449.	.151	.030	2.700	.080				37.10	30.00			630.
76 3 29 600	517.	.135	.020	2.600					31.10	31.00			646.
76 3 29 1125	535.	.119	.040	2.700	.030				21.30	31.00			659.
76 3 30 1125	473.	.116	.030	2.350	.010				29.40	30.00			670.
76 4 1 1125	482.	.110	.020	2.000	.010				21.60	31.00			683.
76 4 2 1125	407.	.093	.030	2.000	.010				27.90	31.00			692.
76 4 3 1125	620.	.091	.030	1.900	.010				23.20	31.00			700.
76 4 4 1125	784.	.109	.050	1.700					22.30	32.00			699.
76 4 5 525	738.	.089	.050	1.700	.130				18.60	32.00			688.
76 4 5 1115	715.	.097	.040	1.700	.070								679.
76 4 6 1115	490.	.099	.030	1.800	.010								672.
76 4 7 1115	407.	.082	.020	1.600	.110								673.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING TIME DATE 2400 VR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 4 8 1115	424.	.066	.010	1.600	.080				15.10	34.00			686.
76 4 9 1115	392.	.058	.010	1.900	.060				10.50	32.00			685.
76 4 10 1115	323.	.048		1.300	.040				7.00	32.00			683.
76 4 11 1115	302.	.055		1.100	.020				8.30	32.00			698.
76 4 12 515	281.	.058		1.000	.010				8.30	33.00			696.
76 4 12 1100	281.	.075	.010	.900	.190				10.60	33.00			673.
76 4 13 1100	267.	.052	.010	.900	.220				10.50	33.00			670.
76 4 14 1100	678.	.061	.010	.900	.230				9.20	34.00			667.
76 4 15 1100	248.	.063	.020	.700	.280				18.40	35.00			673.
76 4 16 1100	241.	.114	.020	.500	.260				26.60	35.00			679.
76 4 17 1100	248.	.111	.020	.300	.290				12.60	33.00			670.
76 4 18 1100	268.	.103	.010	.100	.170				19.10	35.00			685.
76 4 19 500	260.	.101	.010	.100	.100				23.90	35.00			711.
76 4 19 1300	281.	.086	.030	.500	.230				17.10	36.00			666.
76 4 20 1300	295.	.098	.040	.400	.260				18.50	36.00			684.
76 4 21 1300	309.	.089	.040	.400	.210				15.30	36.00			706.
76 4 22 1300	323.	.085	.030	.400	.180				12.50	36.00			716.
76 4 23 1300	330.	.093	.050	.400	.220				19.60	37.00			733.
76 4 24 1300	338.	.091	.020	.400	.130				14.90	38.00			745.
76 4 25 1300	415.	.098	.020	.300	.090				26.00	38.00			749.
76 4 26 700	424.	.091	.020	.400	.090				28.30	38.00			763.
76 4 26 1125	432.	.053	.050	.700	.100				20.30	42.00			640.
76 4 27 1125	473.	.060	.030	.600	.110				29.60	42.00			679.
76 4 28 1125	473.	.078	.020	.600	.070				12.40	43.00			699.
76 4 29 1125	457.	.015	.010	.600	.090				22.30	41.00			702.
76 4 30 1125	384.	.047	.030	.400	.190				18.50	41.00			650.
76 5 1 1125	330.	.250	.250	.300	.130				15.80	42.00			641.
76 5 2 1125	302.	.067	.020	.600	.180				13.30	43.00			660.
76 5 3 525	274.	.067	.010	.700	.090				14.60	44.00			676.
76 5 3 1110	267.	.071	.020		.570				12.70	49.00			
76 5 4 1110	241.	.080	.010		.420				12.40	46.00			
76 5 5 1110	229.	.073	.010		.320				11.40	46.00			
76 5 6 1110	210.	.071	.010		.450				12.00	46.00			
76 5 7 1110	392.	.149	.010	3.600	.540				23.50	51.00			
76 5 8 1110	473.	.080	.010	5.700	.230				13.60	51.00			
76 5 9 510	399.	.070	.010	3.900	.160				20.80	49.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION V/CODE : NEAR FREMONT, OHIO

USGS NO. 04198006

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	5 9	1110	.087	.010	3.500	.080				16.60	48.00			
76	5 10	510	.091		2.900	.060				28.10	47.00			744.
76	5 10	1100	.092	.040	3.300					15.60	49.00			745.
76	5 11	1100	.080	.030	2.900	.010				17.80	47.00			754.
76	5 12	1100	.077	.030	1.900	.080				28.70	48.00			760.
76	5 13	1100	.073	.030	1.400					17.10	49.00			764.
76	5 14	1100	.077	.030	1.000	.050				17.80	49.00			750.
76	5 15	1100	.070	.040	.900	.080				11.20	49.00			773.
76	5 16	1100	.087	.030	.800					13.20	53.00			777.
76	5 17	500	.115	.020	.900	.010				15.30	53.00			758.
76	5 17	1115	.125	.050	1.100	.050				9.90	45.00			708.
76	5 17	1715	.198	.070	1.300	.150				72.40	42.00			727.
76	5 17	2315	.565	.070	3.200	.060				356.00	43.00			681.
76	5 18	515	.354	.080	6.400	.050				190.00	41.00			546.
76	5 18	1115	.397	.070	13.200	.050				224.00	30.00			653.
76	5 19	1115	.203	.070	15.500	.060				53.40	35.00			738.
76	5 20	1115	.160	.050	11.300	.060				46.60	38.00			771.
76	5 21	1115	.202	.040	8.400	.100				79.90	38.00			744.
76	5 22	1115	.164	.030	9.600	.070				45.70	37.00			750.
76	5 23	1115	.130	.020	7.800	.040				39.10	37.00			757.
76	5 24	515	.257		7.400	.070				131.00	38.00			772.
76	5 24	1130	.112	.040	7.900	.110				38.50	41.00			782.
76	5 25	1130	.099	.030	7.600	.050				36.20	44.00			785.
76	5 26	1130	.100	.030	6.300	.070				30.40	46.00			770.
76	5 27	1130	.134	.070	5.100	.120				16.50	44.00			759.
76	5 29	1130	.074	.010	3.700	.340				23.70	43.00			774.
76	5 30	1130	.080	.010	3.100	.100				13.50	47.00			791.
76	5 31	530	.125		2.700	.180				48.40	47.00			775.
76	5 31	1200	.125	.030	2.900	.010				55.00	47.00			778.
76	5 31	1800	.307	.060	3.000	.020				209.00	45.00			759.
76	5 31	2400	.243	.070	3.400	.010				112.00	38.00			656.
76	6 1	600	.303	.060	6.900	.010				197.00	33.00			479.
76	6 1	1200	.770	.080	6.200	.010				579.00	26.00			569.
76	6 1	1800	.596	.120	9.200	.040				332.00	30.00			636.
76	6 1	2400	.422	.100	10.100	.020				218.00	32.00			543.
76	6 2	600	.575	.090	12.500	.020				397.00	28.00			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	MN-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6	2 1200	2161.	0.00	13.800	0.010				222.00	31.00			620.
76	6	2 1800	1864.	0.00	13.500	0.020				207.00	32.00			634.
76	6	2 2400	1678.	0.00	13.000	0.020				197.00	33.00			631.
76	6	3 600	1536.	0.00	13.000	0.010				254.00	33.00			639.
76	6	3 1200	1434.	0.00	13.600					206.00	32.00			618.
76	6	3 1800	1417.	0.00	13.000	0.050				223.00	31.00			613.
76	6	3 2400	1349.	0.00	13.400	0.020				228.00	32.00			626.
76	6	4 600	1400.	0.00	13.100	0.100				179.00	33.00			651.
76	6	4 1200	1070.	0.00	13.500	0.030				141.00	34.00			681.
76	6	4 1800	925.	0.00	14.300	0.210				135.00	35.00			706.
76	6	4 2400	808.	0.00	14.700					107.00	36.00			722.
76	6	5 600	715.	0.00	15.200	0.120				94.50	37.00			728.
76	6	5 1200	630.	0.00	16.100	0.030				90.60	37.00			724.
76	6	5 1800	562.	0.00	16.700	0.120				88.60	37.00			728.
76	6	5 2400	508.	0.00	16.900	0.070				92.70	38.00			738.
76	6	6 600	457.	0.00	16.200	0.130				67.90	39.00			741.
76	6	6 1200	415.	0.00	15.300	0.060				49.20	40.00			749.
76	6	6 1800	376.	0.00	15.300	0.050				55.20	41.00			756.
76	6	6 2400	345.	0.00	14.600	0.040				64.70	43.00			772.
76	6	7 600	323.	0.00	13.900	0.060				45.00	44.00			778.
76	6	7 1100	309.	0.00	12.600	0.050				33.50	44.00			774.
76	6	7 1700	288.	0.00	13.200	0.020				40.10	43.00			769.
76	6	7 2300	267.	0.00	12.400	0.040				37.30	44.00			767.
76	6	8 500	254.	0.00	11.900	0.030				26.60	44.00			760.
76	6	8 1100	235.	0.00	11.400	0.110				33.00	44.00			759.
76	6	8 1700	223.	0.00	10.900	0.050				28.50	44.00			760.
76	6	8 2300	217.	0.00	10.900	0.050				19.60	45.00			756.
76	6	9 500	204.	0.00	11.200	0.090				18.70	45.00			749.
76	6	9 1100	198.	0.00	11.100	0.230				23.80	46.00			755.
76	6	9 1700	182.	0.00	10.900	0.170				39.70	45.00			758.
76	6	9 2300	177.	0.00	10.700	0.070				32.30	45.00			766.
76	6	10 500	166.	0.00	10.500	0.110				41.40	48.00			767.
76	6	10 1100	161.	0.00	10.500	0.140				28.50	49.00			764.
76	6	11 1100	141.	0.00	10.400	0.150				19.60	49.00			
76	6	12 1100	125.	0.00	10.100	0.150				28.50	49.00			
76	6	13 1100	109.	0.00	9.200	0.180								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C. UMMO
YR	MO	DAY	HR.	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
76	6	14	500	.150	.050	8.900	.050			34.00	52.00			778.
76	6	14	1055	.142	.090	8.300	.110			20.00	51.00			735.
76	6	15	1055	.166	.070	9.400	.020			47.00	48.00			751.
76	6	16	1055	.164	.090	7.100	.200			14.70	50.00			732.
76	6	17	1055	.131	.060	6.300	.240			72.00	51.00			754.
76	6	18	1055	.185	.050	5.400	.420			47.10	51.00			735.
76	6	19	1055	.188	.030	3.800	.280			60.50	48.00			704.
76	6	20	1055	.143	.020	2.800	.180			65.10	49.00			727.
76	6	21	455	.235	.020	1.800	.020			126.00	52.00			743.
76	6	21	1105	.267	.070	3.200	.010			124.00	52.00			795.
76	6	21	1705	.250	.080	3.200	.010			47.00	41.00			851.
76	6	21	2305	.305	.080	3.200	.020			125.00	41.00			783.
76	6	22	1105	.784	.050	2.300	.030			119.00	42.00			783.
76	6	22	2305	.688	.050	1.400	.030			104.00	43.00			787.
76	6	23	1105	.482	.050	2.300	.070			60.70	45.00			782.
76	6	23	2305	.399	.050	2.300	.040			49.10	40.00			775.
76	6	24	1105	.302	.070	4.400				53.90	41.00			768.
76	6	24	1705	.309	.070	6.200	.110			80.20	46.00			783.
76	6	24	2305	.323	.080	6.400	.160			76.20	46.00			770.
76	6	25	505	.330	.060	6.000	.110			96.70	45.00			758.
76	6	25	1705	.323	.212					101.00	44.00			771.
76	6	25	2305	.234	.231					285.00	42.00			816.
76	6	26	505	.353	.070	7.900	.120			50.30	39.00			765.
76	6	26	1105	.392	.060	9.700	.050			50.60	39.00			776.
76	6	26	1705	.432	.060	11.500	.040			114.00	37.00			730.
76	6	26	2305	.465	.060	13.100	.040			112.00	37.00			744.
76	6	27	505	.517	.164					101.00	38.00			753.
76	6	27	1105	.600	.221					74.80	37.00			728.
76	6	27	1705	.640	.226									
76	6	27	2305	.620	.380									
76	6	28	505	.562	.307									
76	6	28	1100	.508	.236									
76	6	28	2300	.415	.225									
76	6	29	1100	.376	.230									
76	6	29	2300	.330	.186									

1.500
1.100
1.200
2.100

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6 30	1100	.189	.080	10.000	.020		1.300		71.70	38.00			726.
76	6 30	2300	.146	.090	10.200	.030		.100		22.60	39.00			720.
76	7 1	1100	.193	.080	9.900	.040		.970		43.90	40.00			728.
76	7 1	2300	.271	.060	9.400	.060		1.670		119.00	39.00			732.
76	7 2	1100	.173	.050	9.700	.090		.780		35.00	42.00			730.
76	7 2	2300	.184	.060	8.600	.090		.940		54.90	43.00			722.
76	7 3	1100	.203	.040	8.100	.080		1.080		82.40	39.00			704.
76	7 3	2300	.349	.030	8.100	.070		1.690		204.00	37.00			675.
76	7 4	1100	.168	.010	8.100	.060		.860		88.20	36.00			677.
76	7 4	2300	.148		8.200			.940		60.70	38.00			686.
76	7 5	500	.189	.010	8.400	.070		1.250		61.80	38.00			693.
76	7 5	1100	.287	.170	9.000	.090				65.80	38.00			689.
76	7 5	1500	.184	.030	9.000	.600				73.80	39.00			660.
76	7 5	1900	.161	.030	8.500	.130				63.90	40.00			627.
76	7 5	2300	.167	.030	8.600	.020				56.00	40.00			633.
76	7 6	500	.167	.050	8.700					57.00	40.00			653.
76	7 6	700	.171	.050	8.800	.020				61.10	40.00			664.
76	7 6	1100	.162	.050	8.600	.050				52.50	38.00			656.
76	7 6	1500	.153	.020	7.900	.350				54.10	36.00			615.
76	7 6	1900	.192	.010	8.000	.190				70.20	36.00			602.
76	7 6	2300	.231	.020	8.300	.030				105.00	35.00			608.
76	7 7	500	.165	.030	8.000	.020				60.40	35.00			609.
76	7 7	700	.150	.040	7.800	.090				48.40	36.00			606.
76	7 7	1100	.155	.010	7.400	.180				45.00	37.00			620.
76	7 7	1500	.142		6.900	.310				45.00	38.00			607.
76	7 7	1700	.162		6.800	.330				43.70	39.00			597.
76	7 12	1300	.437	.120	4.940	.100				218.00	29.00			453.
76	7 13	100	.307	.140	5.270	.050				137.00	27.00			433.
76	7 13	1300	.296	.130	5.300					146.00	30.00			440.
76	7 14	100	.281	.130	5.510	.200				108.00	29.00			453.
76	7 14	1300	.266	.120	5.170	.160				102.00	30.00			461.
76	7 15	100	.207	.110	4.990	.050				78.40	32.00			484.
76	7 15	1300	.214	.110	4.730	.050				75.80	30.00			485.
76	7 15	1900	.208	.080	4.480	.060				63.40	32.00			492.
76	7 19	1300	.410	.010	.300	.030				211.00	41.00			548.
76	7 20	100	.269	.010	1.700	.200				167.00	41.00			515.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198800

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 7 20 1300	78.	.113		1.600	.160				57.40	41.00			498.
76 7 21 100	74.	.090		1.500	.160				41.10	42.00			497.
76 7 21 1300	81.	.123		1.300	.130				40.60	43.00			507.
76 7 22 100	81.	.120		1.000	.140				49.40	40.00			503.
76 7 22 1300	74.	.123		.800	.140				47.20	44.00			521.
76 7 23 100	81.	.122	.010	.700	.030				53.80	42.00			518.
76 7 23 1300	102.	.173	.010	.700	.110				59.90	44.00			617.
76 7 24 1300	353.	.234	.020	.800	.080				128.00	42.00			561.
76 7 24 1900	349.	.166	.090	.900	.040				107.00	40.00			582.
76 8 2 1300	113.	.169	.090	1.100	.250				58.80	40.00			511.
76 8 2 1900	105.	.086	.040	.800	.220				37.00	39.00			476.
76 8 3 100	98.	.120	.050	.800	.310				38.30	38.00			488.
76 8 3 700	91.	.124	.040	.900	.230				41.60	39.00			562.
76 8 3 1300	88.	.126	.040	.700	.250				29.30	40.00			561.
76 8 3 1900	85.	.091	.030	.600	.170				37.90	38.00			532.
76 8 4 100	81.	.124	.030	.700	.210				43.60	41.00			572.
76 8 4 700	78.	.107	.030	.700	.130				34.80	43.00			585.
76 9 6 1300	45.	.240	.050	.070	.030				34.60	63.00		.80	686.
76 9 7 1300	41.	.155	.090	.120	.540				19.00	63.00		.43	691.
76 9 8 1300	41.	.126	.050	.110	.360				18.80	63.00		.36	687.
76 9 9 1300	33.	.124	.040	.060	.310				17.40	62.00		.36	680.
76 9 10 1300	29.	.119	.040	.100	.230				27.70	60.00		.53	640.
76 9 11 1300	43.	.131	.030	.100	.230				23.90	67.00		.45	704.
76 9 12 1300	41.	.129	.010	.080	.130				20.30	71.00		.38	717.
76 9 13 700	43.	.133	.010	.080	.050				32.60	76.00		.10	758.
76 9 13 1300	43.	.142	.070	.100	.330				15.40	72.00			752.
76 9 13 1900	43.	.138	.060	.100	.290				20.80	69.00			746.
76 9 14 100	43.	.132	.060	.150	.230				19.50	67.00			740.
76 9 14 700	45.	.137	.060	.170	.190				23.40	65.00			744.
76 9 14 1300	47.	.153	.070	.100	.340				15.90	66.00			738.
76 9 14 1900	49.	.138	.040	.100	.310				17.30	66.00			742.
76 9 15 100	49.	.136	.050	.100	.300				28.50	67.00			748.
76 9 15 700	49.	.141	.060	.100	.290				25.60	67.00			762.
76 9 20 1400	71.	.220	.077	.580	.356				41.50	63.50			809.
76 9 21 1300	78.	.133	.038	.590	.060				17.00	65.40			846.
76 9 22 1300	64.	.131	.040	.090	.064				13.80	54.60			798.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
76	9	23	1300	57.	.121	.031	.030	.296	.030	.030	18.30	51.10		787.
76	9	24	1300	49.	.135	.034	.030	.218	.030	.030	12.00	49.80		783.
76	9	25	1300	43.	.126	.007	.030	.167	.030	.030	17.00	49.70		779.
76	9	26	1300	43.	.140		.070	.103	.070	.070	29.50	49.20		745.
76	9	27	780	54.	.115		.120	.071	.120	.120	23.70	52.70		773.
76	9	27	1300	61.	.134		.190	.263	.190	.190	17.70	53.00		771.
76	9	28	1300	66.	.122	.094	.430	.100	.430	.430	17.50	62.30		855.
76	9	29	1300	141.	.159	.105	.570	.186	.570	.570	53.20	54.40		845.
76	9	30	1300	156.	.153	.123	.590	.174	.590	.590	30.80	52.70		642.
76	10	1	1300	113.	.115	.085	.130	.148	.130	.130	15.40	50.20		880.
76	10	2	1300	91.	.108	.049	.060	.156	.060	.060	17.20	51.30		880.
76	10	3	1300	71.	.106	.021	.050	.102	.050	.050	21.00	50.10		833.
76	10	4	700	64.	.112	.030	.170	.023	.170	.170	25.90	51.60		830.
76	10	4	1300	70.	.081	.028	.150	.319	.150	.150	21.40	50.80		785.
76	10	5	1300	54.	.117	.026	.160	.355	.160	.160	11.10	49.30		762.
76	10	6	1300	49.	.127	.030	.390	.309	.390	.390	21.50	46.70		728.
76	10	7	1300	54.	.075	.030	.390	.310	.390	.390	9.40	45.70		745.
76	10	8	1300	49.	.076	.015	.630	.132	.630	.630	8.70	46.30		771.
76	10	9	1300	47.	.084	.011	.520	.111	.520	.520	8.70	48.50		769.
76	10	10	1300	52.	.076	.004	.430	.078	.430	.430	10.50	49.40		802.
76	10	11	700	49.	.078	.044	.370	.036	.370	.370	5.70	51.80		812.
76	10	11	1300	49.	.095	.041	.210	.392	.210	.210	7.70	58.30		793.
76	10	12	1300	52.	.095	.032	.110	.380	.110	.110	8.30	59.70		775.
76	10	13	1300	52.	.109	.032	.090	.412	.090	.090	11.60	58.80		775.
76	10	14	1300	47.	.111	.022	.090	.336	.090	.090	9.80	58.50		764.
76	10	15	1300	45.	.104	.011	.160	.226	.160	.160	10.40	58.70		778.
76	10	16	1300	45.	.140	.006	.170	.103	.170	.170	11.80	62.40		801.
76	10	17	1300	41.	.101		.180	.055	.180	.180	13.50	65.30		818.
76	10	18	700	43.	.081		.170	.024	.170	.170	10.60	68.60		844.
76	10	18	1300	43.	.086	.023	.090	.263	.090	.090	12.40	74.00		820.
76	10	19	1300	43.	.079	.023	.250	.250	.250	.250	13.20	74.40		840.
76	10	20	1300	47.	.093	.024	.010	.288	.010	.010	12.60	74.80		833.
76	10	21	1300	59.	.125	.032	.090	.239	.090	.090	14.90	74.00		854.
76	10	22	1300	54.	.093	.016	.090	.147	.090	.090	12.50	75.10		872.
76	10	23	1300	59.	.102	.011	.070	.090	.070	.070	13.20	75.00		875.
76	10	24	1300	64.	.103	.011	.210	.048	.210	.210	19.80	73.20		848.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 10 25	700	81.	.108	.009	.460	.036				17.90	74.70			894.
76 10 25	1300	81.	.098		.859	.206				11.10	63.50	.70		894.
76 10 26	1300	78.	.095	.006	.430	.213				9.10	61.30	1.30		887.
76 10 27	1300	81.	.078		.330	.138				9.00	60.80	.80		889.
76 10 28	1300	88.	.089	.007	.380	.149				6.70	60.80	1.40		891.
76 10 29	1300	91.	.127	.039	.240	.196				5.90	59.70	1.40		900.
76 10 30	1300	88.	.067		.310	.129				6.10	61.60	2.10		919.
76 10 31	1300	95.	.078	.013	.370	.329				5.90	59.00	2.10		907.
76 11 1	700	95.	.058	.005	.260	.134				7.30	58.30	1.20		936.
76 11 1	1300	88.	.115	.102	.270	.365				7.60	56.50	1.80		921.
76 11 2	1300	85.	.057	.040	.270	.188					55.70	1.00		918.
76 11 3	1300	95.	.071	.045	.230	.192					58.60	1.00		943.
76 11 4	1300	95.	.080	.053	.290	.167				2.90	58.20	2.00		949.
76 11 5	1300	91.	.068	.048	.360	.148				2.50	60.30	3.20		959.
76 11 6	1300	88.	.061	.038	.330	.129				3.00	58.50	2.30		931.
76 11 7	1300	85.	.092	.062	.370	.143				2.40	58.00	2.00		976.
76 11 8	700	78.	.058	.040	.480	.121				6.10	57.80	2.50		990.
76 11 8	1300	78.	.093	.035	.470	.127				6.10	62.30	4.80		1002.
76 11 9	1300	74.	.064	.030	.560	.068				6.20	62.60	2.60		980.
76 11 10	1300	69.	.048	.018	.500	.077				5.90	62.30	2.10		963.
76 11 11	1300	57.	.052	.021	.420	.046				6.30	61.50	1.70		936.
76 11 12	1300	61.	.052	.017	.460	.080				6.50	62.10	1.10		929.
76 11 13	1300	61.	.048	.033	.630	.059				5.90	65.40	.90		936.
76 11 14	1300	59.	.062	.023	.780	.048				5.50	67.10	.80		942.
76 11 15	700	57.	.050	.012	.870	.032				7.20	68.60	.60		974.
76 11 22	1145	52.	.056	.016	.670	.045				6.00	69.40	.40		923.
76 11 23	1300	57.	.047	.022	.670	.043				5.20	69.40	1.50		926.
76 11 24	1300	78.	.056	.019	.610	.076				4.80	73.00	.50		962.
76 11 25	1300	61.	.049	.020	.510	.055				5.00	73.80	.50		966.
76 11 26	1300	61.	.055	.019	.560	.018				4.00	69.30	.60		926.
76 11 27	1300	69.	.076	.028	.590	.029				5.40	78.80	.40		994.
76 11 28	1300	61.	.065	.023	.580	.021				5.60	72.20	.70		969.
76 11 29	700	59.	.055	.028	.610	.066				6.20	70.50	.80		951.
76 11 29	1300	59.	.069	.024	.750	.073				4.30	65.80	2.20	.20	1003.
76 11 30	1300	60.	.065	.019	.780	.106				5.50	68.10	3.10	.30	1060.
76 12 1	1300	58.	.090	.043	.660	.235		.900		5.70	69.60	4.30		1043.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	12	2	1300	55.	.017	.086		.700		4.80	75.20	2.98		1062.
76	12	6	1900	52.	.140	.212		1.400		13.60	75.20	.51		1132.
76	12	7	1300	52.	.067	.880		.700		5.50	67.20	1.05		1098.
76	12	8	1300	52.	.074	.800		1.000		8.90	71.10	.81		1164.
76	12	9	1300	52.	.057	.740		.900		10.20	70.70	.35		1162.
76	12	10	1300	52.	.067	.680		.900		8.00	62.90	.35		1129.
76	12	11	1300	53.	.069	.670		1.000		7.00	69.70	.76		1122.
76	12	12	1300	54.	.112	.311		.700		6.50	79.80	.48		1177.
76	12	13	700	55.	.077	.720		.800		5.40	79.20	.51		1205.
76	12	13	1300	52.	.138	.073		.700		2.10	80.00	.47	.23	1146.
76	12	14	1300	58.	.169	.710		2.400		2.90	74.70	.54	.19	1142.
76	12	15	1300	64.	.107	.750		.900		2.80	66.50	.41	.19	973.
76	12	16	1300	74.	.212	.080		.800		2.80	64.10	.55	.24	1062.
76	12	17	1300	76.	.082	.097		.700		1.40	62.40	.50	.27	1029.
76	12	18	1300	78.	.179	.080		.700		3.50	62.00	.47	.24	1055.
76	12	19	1300	85.	.231	.930		.900		3.60	61.90	.54	.26	1070.
76	12	20	700	78.	.141	.162		.800		7.30	100.00	.41	.30	1199.
76	12	20	1300	74.	.097	.1010		.700		1.40	77.70	.69		1091.
76	12	21	1300	84.	.086	.160		.700		6.80	73.30	1.18		1127.
76	12	22	1300	84.	.063	.1260		.800		4.10	77.50	.82		1149.
76	12	23	1300	84.	.061	.140		.500		2.90	73.70	.39		1095.
76	12	24	1300	84.	.063	.1260		.700		3.30	75.00	.40		1115.
76	12	25	1300	83.	.080	.1290		.900		2.60	78.30	.76		1123.
76	12	26	1300	80.	.118	.1380		1.100		3.20	88.00	.68		1212.
76	12	27	700	78.	.103	.1470		.700		2.50	87.50	.42		1241.
76	12	27	1300	78.	.136	.079		.700		3.70	88.30	1.13		1290.
76	12	28	1300	75.	.127	.010		.700		2.40	83.90	.47		1279.
76	12	29	1300	72.	.125	.061		.900		2.20	84.70	.98		1264.
76	12	31	900	64.	.167	.016		.300		23.30	86.20	.41		1268.
77	1	3	700	55.	.118	.067		.925		7.50	84.90	.61		1283.
77	1	3	1300	55.	.120	.1710				16.90	85.30			1226.
77	1	4	1300	53.	.112	.036				24.80	88.40			1291.
77	1	5	1300	52.	.121	.058				9.80	87.20			1300.
77	1	6	1300	52.	.133	.082				7.30	89.70			1322.
77	1	7	1300	52.	.140	.081				9.50	165.00			2080.
77	1	8	1900	52.	.150	.082				11.80	100.00			1360.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION V/CODE : NEAR FREMONT, OHIO

USGS NO. 84198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	1 10	700	.139	.073	1.440	.284				8.50	84.70			1253.
77	1 11	1900	.154	.081	1.540	.282				9.90	77.70			1199.
77	1 12	1900	.146	.109	1.640	.285				3.00	77.40			1211.
77	1 13	1900	.163	.116	1.710	.312				2.00	75.20			1226.
77	1 14	1900	.186	.142	1.680	.332				3.20	72.30			1217.
77	1 15	1900	.124	.112	1.780	.428				3.30	124.00			1566.
77	1 16	1900	.121	.116	1.770	.438				2.00	100.00			1382.
77	1 17	1900	.181	.126	1.760	.593				2.80	84.80			1327.
77	1 18	700	.185	.124	1.770	.592				2.70	82.50			1328.
77	1 18	1300	.250	.126	1.650	.616				4.60	82.70	4.58		1303.
77	1 19	1300	.179	.123	1.480	.634				5.20	79.10	4.16		1340.
77	1 20	1300	.172	.122	1.310	.617				4.50	75.00	4.64		1305.
77	1 21	1300	.164	.120	1.250	.559				5.10	72.30	4.47		1245.
77	1 22	1300	.175	.128	1.280	.537				5.60	71.00	4.98		1198.
77	1 23	1300	.166	.115	1.410	.550				4.80	69.70	5.24		1158.
77	1 24	1300	.162	.123	1.510	.712				4.80	66.40	4.22		1090.
77	1 25	1300	.146	.118	1.370	.713				3.70	66.10	7.33		1078.
77	1 26	1300	.146	.133	1.290	.700				3.80	64.50	4.34		1057.
77	1 27	1300	.149	.128	1.230	.655				3.50	64.60	5.31		1049.
77	1 28	1300	.159	.142	1.280	.634				3.30	63.50	4.99		1038.
77	1 29	1300	.170	.142	1.580	.695				2.90	61.40	4.78		1021.
77	1 30	1300	.174	.136	1.440	.842				12.40	110.00	4.99		1323.
77	1 31	700	.164	.129	1.410	.833				5.60	133.00	5.49		1543.
77	2 2	1900	.204	.157	1.210	.927				22.80	76.20	4.28		1149.
77	2 3	1900	.191	.160	1.270	.786				15.80	73.00	4.30		1131.
77	2 4	1900	.200	.171	1.360	.773					70.60	4.47		1129.
77	2 5	1900	.214	.182	1.400	.776				8.60	68.90	4.64		1119.
77	2 6	1900	.223	.184	1.440	.822				2.90	67.90	4.81		1125.
77	2 7	1300	.257	.186	1.490	.683				4.30	77.10	5.08		1097.
77	2 8	1300	.215	.171	1.570	.820				5.10	76.40	5.62		1108.
77	2 9	1300	.213	.173	1.530	.739				4.40	77.00	5.46		1112.
77	2 10	1300	.217	.178	1.460	1.050				5.90	81.80	5.55		1124.
77	2 11	1300	.234	.187	1.490	.835				16.20	82.20	5.54		1127.
77	2 12	1300	.291	.224	1.600	.797				7.90	80.40	5.51		1115.
77	2 13	1300	.337	.222	1.820	.962				14.90	186.00	5.65		1929.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
77	2 14	708	.391	.244	1.660	1.010				9.60	128.00	5.65		1334.
77	2 14	1300	.357	.295	1.780	1.170				12.60	118.00	6.50	.36	1251.
77	2 15	1300	.410	.264	1.830	1.110				17.30	111.00	6.47	.48	1140.
77	2 16	1300	.412	.249	1.780	1.340				17.20	133.00	6.70	.58	1346.
77	2 17	1300	.441	.275	1.660	1.600				23.00	82.30	8.04	.57	1068.
77	2 18	1300	.471	.317	2.080	1.460				16.70	80.50	6.51	.52	963.
77	2 19	1300	.459	.296	2.440	1.470				16.20	89.20	6.18	.49	932.
77	2 20	1300	.482	.320	2.600	1.640				12.30	90.50	6.68	.47	890.
77	2 21	700	.421	.280	2.600	1.360				6.70	90.50	6.08	.45	884.
77	2 21	1300	.384	.274	2.600	1.340				12.80	90.30	7.98		868.
77	2 21	1900	.379	.265	2.630	1.230				15.10	89.70	8.24		872.
77	2 22	100	.360	.262	2.660	1.230				14.10	89.10	7.43		869.
77	2 22	700	.362	.260	2.670	1.110				18.40	89.20	7.73		860.
77	2 22	1300	.370	.260	2.660	1.260				13.50	89.50	7.38		844.
77	2 22	1900	.386	.275	2.480	1.120				16.70	87.40	8.27		833.
77	2 23	100	.420	.293	2.380	1.130				16.70	85.20	6.69		788.
77	2 23	700	.413	.292	2.400	1.070				15.10	85.60	7.40		790.
77	2 23	1300	.481	.284	2.340	.954				46.90	83.70	6.93		763.
77	2 23	1900	.535	.281	2.300	.792				82.30	83.00	6.70		709.
77	2 24	100	.584	.266	2.200	.674				123.00	71.30	5.44		624.
77	2 24	700	.491	.266	2.190	.619					69.80	5.47		
77	2 24	1300	1.040	.164	2.320	.645				368.00	61.80	5.25		511.
77	2 24	1900	1.030	.159	2.280	.596				372.00	51.50	5.76		412.
77	2 25	100	.867	.144	2.420	.520				339.00	46.10	4.39		366.
77	2 25	700	.777	.130	2.640	.468				296.00	43.90	3.98		357.
77	2 25	1300	.700	.122	2.880	.442				278.00	42.70	5.69		343.
77	2 25	1900	.863	.134	3.070	.518		2.980		285.00	43.70	4.99		351.
77	2 26	100	.763	.123	3.230	.487		3.980		296.00	43.70	5.19		354.
77	2 26	700	.766	.104	3.290	.499		2.830		333.00	44.10	5.00		365.
77	2 26	1300	.660	.105	3.460	.461		2.510		308.00	44.30	4.85		352.
77	2 26	1900	.630	.090	3.540	.463		2.510		304.00	43.30	4.41		344.
77	2 27	100	.595	.094	3.690	.373		2.280		277.00	44.30	5.78		345.
77	2 27	700	.571	.093	3.730	.333		2.510		266.00	45.20	5.89		358.
77	2 27	1300	.588	.097	4.010	.289		2.370		272.00	48.00	5.32		382.
77	2 27	1900	.522	.099	4.470	.280		2.220		250.00	48.10	5.28		367.
77	2 28	100	.585	.585	5.100	.336		2.340		129.00	48.80	6.25		382.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	2 28	700	.443	.110	4.830	.297		1.800		184.00	49.40	5.59		377.
77	2 28	1300	.385	.126	6.050	.263		1.580		131.00	45.70	5.03	5.00	416.
77	3 1	1300	.329	.129	6.570	.283		1.570		81.50	48.20	5.57	3.70	472.
77	3 2	1300	.268	.127	6.360	.343		1.370		50.80	51.10	5.82	2.70	515.
77	3 3	1300	.255	.149	6.010	.389		1.510		27.50	53.00	6.13	1.60	555.
77	3 4	1300	.281	.136	5.210	.328		1.190		49.80	58.30	5.79	2.30	568.
77	3 5	700		.131	6.420	.339		1.240		170.00	51.90	5.59	5.00	509.
77	3 5	1300	.341	.136	6.900	.365		1.260		163.00	51.70	5.58	4.00	496.
77	3 6	1300	.299	.115	7.280	.394		1.210		73.60	52.10	6.02	3.30	533.
77	3 7	700	.251	.098	7.350	.349		1.240		58.40	52.80	6.41		559.
77	3 7	1300	.227	.089	7.820	.086				50.40	54.30	6.58		562.
77	3 8	1300	.193	.098	7.460	.135				29.70	54.90	7.22		579.
77	3 9	1300	.175	.089	6.930	.112				29.90	57.70	6.80		603.
77	3 10	1300	1.140	.140	9.130	.024				198.00	63.00	4.98		626.
77	3 15	1300	.231	.075	6.820	.090				60.90	58.60	6.90	2.80	646.
77	3 16	1300	.213	.068	6.380	.133				54.40	59.20	6.94	2.20	649.
77	3 17	1300	.173	.051	5.930	.108				41.00	68.40	7.06	1.80	693.
77	3 18	1300	.190	.065	6.350	.088				41.00	64.50	6.75	2.00	646.
77	3 19	1300	.247	.066	6.480	.126				102.00	58.00	6.81	3.80	629.
77	3 19	1300	.429	.073	6.740	.144				246.00	52.40	6.39	9.00	520.
77	3 19	700	.477	.064	7.310	.208				263.00	46.80	6.83	10.00	481.
77	3 19	1300	.493	.064	7.310	.208				261.00	42.80	6.07	12.00	447.
77	3 19	1300	.465	.067	7.850	.233				244.00	48.70	6.49	11.00	449.
77	3 19	1300												
77	3 20	100	.444	.065	7.970	.252				176.00	49.60	6.40	10.10	463.
77	3 20	700	.445	.075	7.830	.215				174.00	45.30	6.40	9.70	479.
77	3 20	1300	.466	.075	7.850	.188				180.00	45.10	6.38	10.10	472.
77	3 20	1300	.452	.071	7.880	.176				188.00	44.90	6.33	10.40	476.
77	3 21	100	.424	.064	7.920	.138				151.00	43.90	6.51	10.00	466.
77	3 21	700	.341	.055	7.850	.202				94.80	43.30	6.99	7.90	477.
77	3 21	1300	.299	.067	8.140	.048				104.00	38.30	7.15	7.20	485.
77	3 21	1300	.291	.070	8.130	.048				102.00	38.60	7.64	7.00	519.
77	3 22	100	.265	.074	8.250	.066				81.70	39.40	8.08	6.50	522.
77	3 22	700	.262	.070	8.190	.121				82.40	39.70	8.50	5.70	545.
77	3 22	1145	.234	.062	8.000	.075				67.90	39.50	7.21	5.20	541.
77	3 22	1900	.212	.059	7.840	.160				67.00	41.30	6.65	4.50	523.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04190000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJEL MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY												
77	3	23	100	4065.	.236	.060	.178	1.508		79.80	42.78	7.40	5.48	515.
77	3	23	700	4830.	.255	.064	.061	1.480		72.30	40.90	6.92	6.08	502.
77	3	23	1300	5012.	.276	.060	.073	1.570		97.40	39.78	6.51	6.80	511.
77	3	23	1900	5012.	.300	.073	.078	1.710		111.00	39.70	6.92	7.48	500.
77	3	24	100	5064.	.225	.065	.058	1.790		206.00	40.20	6.89	6.80	504.
77	3	24	700	5142.	.261	.067	.081	1.530		91.70	39.80	6.58	6.10	504.
77	3	24	1300	4908.	.256	.060	.137	3.400		83.30	38.70	7.27	5.50	492.
77	3	25	1300	3092.	.208	.050	.085	1.160		68.00	39.10	6.43	4.70	513.
77	3	26	1300	1826.	.177	.048	.034	2.060		47.80	40.50	7.59	3.60	550.
77	3	27	1300	1480.	.148	.045	.049	2.060		40.00	42.90	7.14	2.70	597.
77	3	28	700	1264.	.182	.051	.057	1.180		52.80	46.40	5.90	3.50	623.
77	3	28	1300	1642.	.170	.060	.021			53.30	40.90	5.80	3.20	598.
77	3	29	1300	3916.	.268	.058	.022			126.00	33.60	6.25	5.90	512.
77	3	30	1300	3069.	.292	.065	.034			133.00	35.90	7.50	6.00	527.
77	3	31	1300	2140.	.265	.068	.024			112.00	37.30	8.23	5.00	551.
77	4	1	1300	1214.	.189	.064	.162			69.70	38.10	7.65	3.10	565.
77	4	2	1300	1070.	.199	.066	.103			72.00	42.20	5.51	3.40	598.
77	4	3	100	1400.	.199	.067	.054			115.00	39.60	5.67	4.90	600.
77	4	3	700	5012.	.366	.061	.058			221.00	35.50	6.97	8.10	557.
77	4	3	1300	6432.	.605	.070	.115			382.00	30.70	7.76	15.00	485.
77	4	3	1900	6702.	.786	.075	.115			485.00	26.70	7.35	21.80	427.
77	4	4	100	6540.	.720	.080	.202			485.00	27.30	8.02	19.40	424.
77	4	4	700	6216.	.734	.084	.169			394.00	26.10	7.80	19.80	414.
77	4	4	1300	6081.	.708	.105	.031			279.00	20.90	6.67	18.30	405.
77	4	4	1900	6027.	.675	.106	.027			277.00	21.30	6.43	17.60	400.
77	4	5	100	6000.	.708	.094	.030			248.00	20.10	6.87	19.10	395.
77	4	5	700	6054.	.682	.089	.029			262.00	19.30	7.29	18.50	388.
77	4	5	1300	5896.	.635	.083	.109			243.00	19.20	7.18	17.10	387.
77	4	5	1900	5504.	.599	.079	.119			232.00	19.40	7.06	15.90	397.
77	4	6	100	5194.	.533	.080	.069			232.00	19.90	6.98	13.60	412.
77	4	6	700	4778.	.473	.080	.040			177.00	20.60	7.38	12.00	423.
77	4	6	1300	4265.	.415	.071	.035			174.00	21.10	7.28	10.70	432.
77	4	6	1900	3820.	.392	.074	.030			102.00	21.50	7.39	9.80	442.
77	4	13	1300	526.	.133	.046	.086			49.80	36.60	3.59	1.20	667.
77	4	14	1300	465.	.085	.052	.113			40.30	37.30	3.81	1.30	678.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4 15	1300	415.	.108	.030	3.200	.126			29.30	37.70	2.41	1.80	690.
77	4 16	1300	376.	.121	.121	7.860	.068			28.40	31.10	7.23	1.50	697.
77	4 18	1300	302.	.116	.038	2.710	.096			32.00	40.70	.93	1.90	670.
77	4 19	1300	274.	.098	.024	2.000	.277			38.10	41.20	.38	1.70	659.
77	4 20	700	254.	.097	.021	1.600	.303			35.50	41.60	.19	.60	655.
77	4 21	1300	281.	.127	.010	1.260	.247			47.60	42.20	.17	1.08	663.
77	4 22	1300	288.	.155		1.240	.199			57.00	58.80	.18	1.40	741.
77	4 23	1300	873.	.322	.069	5.410	.166			127.00	47.80	3.89	4.10	693.
77	4 24	1300	1845.	.221	.029	6.870	.151			84.20	41.70	4.66	3.00	658.
77	4 25	700	2182.	.216	.052	5.630	.131			76.90	40.30	4.84	2.90	652.
77	4 25	1300	2203.	.226	.073	6.390	.034			89.90	38.40	5.33	3.30	652.
77	4 26	1300	1980.	.154	.048	6.580	.062	1.280		64.80	38.30	5.25	1.70	650.
77	4 27	1300	1980.	.158	.059	7.360	.045	1.540		70.20	38.10	6.06	2.10	631.
77	4 28	1300	1417.	.167	.047	6.360	.066	1.880		36.70	36.70	5.29	2.40	633.
77	4 29	1300	1150.	.144	.047	6.140	.160	1.250		39.60	37.10	5.05	1.90	638.
77	4 30	1300	968.	.102	.041	6.020	.103	1.460		29.70	38.10	4.42	1.40	649.
77	5 1	1300	772.	.120	.043	5.490	.068	1.980		43.40	36.90	4.20	1.70	652.
77	5 2	1300	703.	.124	.038	5.030	.089	2.030		25.80	40.20	3.05	.80	644.
77	5 3	1300	795.	.117	.045	4.990	.076	1.350		33.70	45.50	3.01	1.30	672.
77	5 4	1300	1214.	.239	.072	5.660	.038	1.420		82.80	40.50	3.98	4.10	628.
77	5 4	1900	2890.	.296	.070	5.970	.057	1.840		133.00	38.00	4.18	5.70	615.
77	5 5	100	4090.	.419	.063	7.320	.045	3.690		240.00	32.30	5.60	10.00	518.
77	5 5	700	4882.	.460	.067	8.220	.064	3.050		251.00	30.70	6.22	10.80	494.
77	5 5	1300	5454.	.405	.073	8.510	.043	1.600		189.00	29.10	6.29	8.50	502.
77	5 5	1900	5194.	.376	.074	8.520	.054	2.120		163.00	29.20	6.58	7.90	506.
77	5 6	100	4752.	.396	.075	9.030	.079	3.040		195.00	30.10	7.06	8.10	514.
77	5 6	700	4492.	.416	.079	9.040	.063	2.600		181.00	32.50	7.07	8.30	524.
77	5 6	1300	4290.	.415	.081	8.970	.059	2.030		185.00	31.40	6.87	8.10	528.
77	5 6	1900	4040.	.409	.078	9.080	.067	2.440		175.00	31.10	7.10	8.20	518.
77	5 7	100	3652.	.393	.078	9.200	.425	2.750		179.00	31.70	7.22	7.70	524.
77	5 7	700	3253.	.376	.063	8.730	.088	2.740		164.00	32.30	7.23	7.30	532.
77	5 7	1300	2912.	.293	.049	8.550	.074	1.780		124.00	33.50	6.15	5.90	535.
77	5 7	1900	2350.	.328	.066	8.600	.064	2.430		138.00	32.20	7.60	6.20	538.
77	5 8	100	2224.	.321	.056	8.840	.098	1.660		146.00	33.50	7.81	6.10	540.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 84198800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	5	8	700	1883.	.318	.060	.060	1.020		116.00	32.00	7.67	5.80	545.
77	5	8	1300	1624.	.265	.056	.056	1.410		95.00	33.00	7.75	4.60	553.
77	5	8	1900	1417.	.241	.061	.075	1.750		67.30	33.50	7.75	3.98	567.
77	5	9	100	1247.	.229	.057	.063	1.270		76.70	33.00	7.65	3.70	575.
77	5	9	700	1102.	.218	.058	.051	1.320		70.50	34.70	7.35	3.50	586.
77	5	9	1300	983.	.219	.085	.085			60.80	31.90	10.40	3.30	596.
77	5	10	1300	692.	.172	.086	.020			45.80	34.00	8.37	2.30	624.
77	5	11	1300	553.	.146	.062	.042			38.80	35.60	8.12	2.00	647.
77	5	12	1300	449.	.124	.061	.047			34.10	36.00	5.80	1.80	663.
77	5	13	1300	376.	.104	.047	.074			28.20	43.40	4.59	1.30	785.
77	5	14	1300	330.	.093	.022	.063			21.50	39.50	3.55	1.00	782.
77	5	15	1300	382.	.085		.025			29.80	40.20	2.55	.70	683.
77	5	16	700	281.	.099		.016			25.80	77.40	4.89	1.00	869.
77	5	16	1300	281.	.106	.069	.020			36.80	51.30	.98	.70	732.
77	5	17	1300	267.	.091	.051	.020			35.60	62.90	.93	.90	891.
77	5	18	1300	241.	.080	.055	.026			37.90	48.50	.78	.80	750.
77	5	19	1300	248.	.087	.060	.020			33.90	47.90	.81	.90	752.
77	5	20	1300	235.	.089	.052	.015			31.00	46.90	.73	1.00	692.
77	5	21	1300	210.	.099	.041	.029			39.50	45.00	.62	1.20	699.
77	5	22	1300	177.	.092	.037	.057			31.30	45.30	.78	1.10	709.
77	5	23	700	166.	.249	.078	.037			88.60	47.10	1.11	3.30	679.
77	5	23	1300	161.	.184	.107	.055			60.60	57.00	1.87	2.20	712.
77	5	24	1300	137.	.367	.126	.054			153.00	66.10	2.12	5.80	776.
77	5	25	1300	133.	.253	.129	.056			72.70	60.70	2.52	3.70	724.
77	5	26	1300	150.	.249	.096	.016			91.80	69.30	2.86	3.50	828.
77	5	27	1300	137.	.215	.092	.036			63.80	51.50	1.88	2.90	765.
77	5	28	1300	113.	.200	.068	.036			53.40	48.10	1.27	2.20	730.
77	5	29	1300	95.	.165	.075	.178			34.20	54.30	1.16	1.40	714.
77	5	30	700	81.	.166	.051	.156			24.20	52.00	.91	1.40	702.
77	5	31	1300	78.	.193	.077	.043			30.10	47.70	.29	1.30	725.
77	6	1	1300	74.	.160	.057	.226			25.00	46.70	.26	.90	738.
77	6	2	1300	64.	.192	.051	.103			64.60	46.50	.34	2.00	767.
77	6	3	1300	61.	.043	.043	.254			11.50	47.90	.35	.80	785.
77	6	4	1300	59.	.152	.024	.355			17.60	112.00	.13	.70	1033.
77	6	5	1300	66.	.241	.020	.302			49.90	68.60	.29	1.70	798.
77	6	6	700	78.	.217		.139			51.30	54.90	.25	1.80	805.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION V/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	6 10 1900	69.	.182	.029	.030	.164		1.360		54.30	50.40	.89	1.30	769.
77	6 11 1900	74.	.196	.024	.020	.126				70.30	52.10	.16	2.00	773.
77	6 12 1900	81.	.128		.270	.055				30.60	56.00	.37	1.10	887.
77	6 13 1900	88.	.222	.108	.110	.069		1.200		74.70	50.80	1.39	2.40	793.
77	6 13 1900	88.	.148	.067	.680	.016		.610		31.50	49.40	.34	1.50	729.
77	6 14 1300	81.	.151	.086	.570	.016				93.30	74.90	.41	1.60	868.
77	6 15 1300	78.	.203	.118	.570	.070				57.30	77.30	.51	2.60	917.
77	6 16 1300	69.	.149	.097	.380	.064				44.30	62.40	.44	1.60	766.
77	6 17 1300	64.	.164	.124	.440	.100				44.60	61.90	.76	1.30	712.
77	6 18 1300	64.	.149	.148	.490	.087				54.90	64.80	.73	2.00	729.
77	6 19 1300	193.	.131	.107	.490	.043				77.70	65.50	.59	2.50	786.
77	6 20 700	129.	.305	.060	.180	.026		1.760		161.00	59.80	.35	4.50	829.
77	6 20 1300	113.	.268	.123	.400	.106				79.90	60.80	.96	1.70	821.
77	6 21 1300	88.	.176	.090	.260	.171				50.60	55.90	.46	1.00	825.
77	6 22 1300	64.	.148	.089	.190	.150				41.70	53.90	.52	.70	825.
77	6 23 1900	52.	.183	.095	.150	.286				31.60	54.90	.38	.70	845.
77	6 24 1300	49.	.168	.083	.170	.181				42.40	54.80	.51	1.10	853.
77	6 25 1900	61.	.159	.115	.250	.278				34.90	60.70	.68	1.00	823.
77	6 26 1300	59.	.082		.450	.101				17.70	64.10	.70	.68	824.
77	6 27 700	57.	.176		.270	.227				40.40	62.50	.69	1.00	837.
77	6 27 1300	57.	.186	.090	.710	.028				35.60	58.00	.59	1.10	842.
77	6 27 1900	54.	.153	.060	.520	.038				21.70	54.00	.57	.70	875.
77	6 28 100	52.	.205	.081	.530	.013				29.80	65.40	.48	1.00	932.
77	6 28 700	49.	.206	.080	.570	.010				36.20	84.90	.50	1.10	1042.
77	6 28 1300	47.	.225	.077	.810	.099				56.90	109.00	.47	1.00	1186.
77	6 28 1900	47.	.180	.067	1.750	.210				33.00	119.00	.58	.80	1319.
77	6 29 100	45.	.169	.070	.220	.197				40.10	137.00	.35	1.10	1382.
77	6 29 700	49.	.214	.063	.420	.086				72.40	130.00	.49	2.00	1345.
77	6 29 1300	49.	.193	.070	.210	.251				39.20	120.00	.31	1.10	1269.
77	6 29 1900	57.	.142	.043	.090	.228				27.70	114.00	.24	.80	1212.
77	6 30 100	1000.	.160	.048	.640	.078				39.90	105.00	.66	1.10	1171.
77	6 30 700	1000.	.168	.050	.480	.037				36.70	102.00	.74	1.30	1164.
77	6 30 1300	1000.	.134	.048	.700	.102				36.70	96.10	.95	.90	1127.
77	6 30 1900	1000.	.405	.084	1.150	.070				218.00	81.10	1.86	9.90	921.
77	7 1 100	4400.	.600	.103	2.260	.043				350.00	75.90	2.24	14.00	868.
77	7 1 700	4400.	.684	.117	3.390	.073				389.00	68.30	3.20	14.20	760.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198800

SAMPLING DATE VR NO DY MRS.	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
77	7	1	1300	4400.	.687	.175	.019			357.00	54.70	4.65	11.60	723.
77	7	1	1900	4400.	.668	.098				475.00	48.70	6.45	14.90	704.
77	7	2	100	2150.	.683	.068	.056			150.00	45.90	5.20	14.90	737.
77	7	2	700	2150.	.302	.066	.003			571.00	47.20	4.30	4.90	820.
77	7	2	1300	2150.	.237	.060	.073			835.00	52.50	3.83	22.20	659.
77	7	2	1900	2150.	.776	.061	.064			751.00	42.70	4.27	35.00	541.
77	7	3	100	1000.	1.020	.058	.059			613.00	34.30	5.68	27.50	538.
77	7	3	700	1000.	.978	.068	.077			751.00	32.80	5.53	27.50	462.
77	7	3	1300	1000.	.941	.113	.040		3.680	603.00	27.10	6.09	24.00	482.
77	7	3	1900	1000.	.824	.107	.031		2.400	520.00	33.50	6.33	22.90	472.
77	7	4	100	650.	.781	.109	.030		5.840	457.00	31.60	6.17	18.20	464.
77	7	4	700	650.	.739	.110	.030		2.550	455.00	29.90	6.48	16.30	502.
77	7	4	1300	650.	.660	.104	.047		2.590	231.00	37.90	6.59	17.30	533.
77	7	4	1900	650.	.589	.097	.041		2.020	262.00	39.10	6.89	8.40	565.
77	7	5	700	455.	.686	.111	.037		1.510	252.00	35.40	6.95	8.50	571.
77	7	5	1900	455.	.429	.100	.032		2.170	613.00	24.30	7.02	11.60	530.
77	7	6	100	700.	.383	.081	.036		2.200	500.00	25.00	6.19	19.80	418.
77	7	6	700	700.	.415	.080	.034		2.420	333.00	25.40	7.56	14.30	449.
77	7	6	1300	700.	.404	.082	.049		2.260	296.00	25.60	6.89	13.10	441.
77	7	6	1900	700.	.456	.070	.027		1.800	160.00	58.20	7.24	12.80	441.
77	7	7	100	900.	.729	.063	.049			100.00	31.60	7.97	7.90	578.
77	7	7	700	900.	.650	.069	.044			107.00	32.20	6.77	4.50	514.
77	7	7	1300	900.	.664	.076	.035			79.30	38.70	7.48	3.20	545.
77	7	8	700	660.	.553	.079	.078			52.40	42.40	6.53	2.00	571.
77	7	8	1300	660.	.528	.079	.030			51.50	38.60	7.82	2.10	575.
77	7	8	1900	660.	.494	.076	.039			40.30	36.00	9.20	1.70	591.
77	7	12	1300	220.	.356	.083	.054			24.00	50.50	5.67	1.70	629.
77	7	13	1300	182.	.276	.071	.156			24.00	71.50	3.68	.90	683.
77	7	14	1300	182.	.263	.067	.087			33.70	46.00	3.52	1.10	559.
77	7	15	1300	129.	.216	.047	.110							
77	7	16	1900	85.	.190	.050	.127							
77	7	17	1300	88.	.180	.038	.123							
77	7	18	1300	69.	.158	.036	.018							
77	7	18	1900	66.	.153	.053	.019							
77	7	19	1900	57.	.135	.042	.031							
77	7	20	1900	59.	.132	.029	.263							

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	7 21 1980	57.	.126	.024	2.060	.159				22.20	38.10	2.98	.80	524.
77	7 22 1980	64.	.139	.024	2.060	.143				34.30	39.30	3.79	1.20	553.
77	7 23 1980	133.	.268	.029	1.818	.145				105.00	41.00	3.41	3.60	579.
77	7 24 1980	726.	.196	.013	2.290	.024				55.40	45.20	3.17	2.00	608.
77	7 25 1980	535.	.233	.049	.600	.031				75.50	38.90	3.69	2.90	674.
77	7 25 1980	457.	.201	.085	1.130	.039				80.10	37.80	3.07	2.90	639.
77	7 26 1980	254.	.316	.079	1.400	.017				68.10	38.20	2.30	2.60	571.
77	7 27 1980	161.	.214	.115	2.130	.014		1.030		67.70	31.70	4.58	3.00	463.
77	7 28 1980	117.	.176	.095	2.380	.016		.919		58.60	28.00	4.93	2.40	440.
77	7 29 1980	91.	.138	.080	2.460	.107		.764		36.10	28.80	4.87	1.70	451.
77	7 30 1980	74.	.138	.082	2.620	.137		.704		36.60	95.60	4.99	1.50	745.
77	8 1 1980	57.	.123	.064	2.410	.082		1.040		34.30	71.10	4.27	1.50	604.
77	8 1 1980	57.	.231	.068	2.570	.045		1.180		20.70	56.10	4.02	.70	551.
77	8 2 1980	57.	.112	.073	2.670	.040				27.40	50.40	4.05	.70	533.
77	8 3 1980	59.	.120	.045	2.060	.071				16.60	36.90	3.46	.60	488.
77	8 4 1980	47.	.118	.047	1.670	.224				17.60	34.30	3.74	.40	475.
77	8 5 1980	49.	.122	.052	1.330	.257				15.20	30.30	3.65	.60	457.
77	8 7 1980	193.	.268	.024	1.440	.065				106.00	31.80	2.77	2.20	499.
77	8 8 1980	187.	.314	.040	1.050	.039				94.40	34.40	.73	2.30	501.
77	8 8 1980	166.	.315	.116	1.560	.125				60.60	38.30			520.
77	8 9 1980	137.	.222	.087	1.490	.020				65.70	36.40			564.
77	8 10 1980	117.	.228	.087	1.390	.026				58.80	38.50			594.
77	8 11 1980	105.	.234	.091	1.110	.084				52.00	55.70			655.
77	8 11 1980	102.	.230	.116	1.190	.173				87.00	86.10			761.
77	8 12 1980	109.	.272	.090	1.310	.100				78.10	99.60			853.
77	8 12 1980	274.	.375	.078	.890	.077				167.00	79.10			781.
77	8 12 1980	302.	.294	.047	1.350	.100				132.00	65.20			733.
77	8 12 1980	392.	.300	.054	.410	.152				150.00	54.20			699.
77	8 13 1980	465.	.341	.066	.490	.095				152.00	58.80			712.
77	8 13 1980	508.	.371	.082	1.170	.085				158.00	46.30			604.
77	8 13 1980	553.	.387	.093	1.860	.099				152.00	44.30			556.
77	8 13 1980	490.	.375	.100	1.750	.111				141.00	44.30			604.
77	8 14 1980	650.	.376	.090	1.760	.120				146.00	37.70			569.
77	8 14 1980	660.	.364	.086	2.040	.144				148.00	36.00			548.
77	8 14 1980	620.	.336	.071	2.210	.102				127.00	39.60			570.
77	8 15 1980	440.	.301	.071	2.390	.087				92.10	35.90			523.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 84198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	8 15	1300	292	.117	2.640	.025				106.00	18.00			499.
77	8 16	100	269	.116	2.610	.029				96.90	19.60			506.
77	8 16	1300	280	.102	2.900	.039				80.00	10.80			500.
77	8 17	1300	210	.089	2.610	.017				50.40	22.00			502.
77	8 18	1300	102.	.085	2.370	.049				35.80	18.40			498.
77	8 19	1300	173	.077	2.000	.132				30.60	26.70			537.
77	8 20	1300	173	.061	1.940	.116				34.70	92.70			825.
77	8 21	1300	180	.051	1.500	.114				30.90	29.00			565.
77	8 22	700	217	.048	1.530	.101				53.70	25.60			555.
77	8 22	1900	213	.100	2.110	.040				61.50	29.20	4.40	2.20	578.
77	8 23	1900	217	.054	1.800	.031				73.80	29.70	2.17	2.20	561.
77	8 24	1300	285	.085	1.890	.103				109.00	43.50	3.59	3.70	615.
77	8 25	1300	239	.043	1.280	.173				88.50	31.60	3.28	2.90	611.
77	8 26	1300	228	.013	1.170	.166				81.20	29.30	4.34	2.90	613.
77	8 27	1300	180		.630	.216				68.80	30.40	3.19	1.80	605.
77	8 28	1300	147		.670	.043				52.10	36.00	1.20	1.20	626.
77	8 29	700	133		.180	.031				43.70	33.70	1.03	1.30	621.
77	8 29	1300	128	.056	.530	.031				37.50	34.60	.49		610.
77	8 30	1300	165	.075	.510					36.00	36.70	.60		659.
77	8 31	1300	153	.058	.370					35.70	37.10	.62		659.
77	9 1	1300	121	.053	.180		.094			29.90	37.60	.67		666.
77	9 3	1300	141	.063	.150	.147				42.20	42.60	.93		670.
77	9 4	1300	113	.035	.490	.036				32.80	87.00	.91		880.
77	9 5	700	131	.044	.160	.078				35.80	87.70	1.07		883.
77	9 5	1300	188	.067	.740	.068				57.30	45.40	1.04	2.20	673.
77	9 6	1300	162	.090	.680	.031				33.30	57.60	1.09	1.40	668.
77	9 7	1300	146	.054	.320	.132				33.40	50.90	1.25	1.50	643.
77	9 8	1300	130	.042	.290	.170				27.10	52.70	1.13	1.40	654.
77	9 9	1300	139	.017	.200	.217				36.70	75.50	.67	1.50	753.
77	9 10	1300	203		.030	.238				89.80	56.50	.23	2.60	680.
77	9 11	1300	124		.140	.105				33.70	53.70	.70	1.40	703.
77	9 12	700	108		.059	.048				34.20	53.80	.28	1.30	694.
77	9 12	1300	132	.077	1.090	.039				25.80	40.80	1.96		679.
77	9 13	1300	158	.109	1.800	.050				34.60	40.40	3.78		680.
77	9 14	1300	271	.114	1.630	.039				117.00	44.50	3.40		710.
77	9 15	1300	270	.117	1.610	.040				104.00	48.00	4.74		713.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : SANDUSKY RIVER

STREAM : SANDUSKY RIVER

LOCATION W/CODE : NEAR FREMONT, OHIO

USGS NO. 04198000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	9 16	1300	808.	.293	.128	2.740	.054			111.00	36.10	7.52		627.
77	9 17	1300	2329.	.535	.145	3.780	.068			270.00	37.80	8.88		479.
77	9 17	1900	2024.	.531	.144	3.770	.062			234.00	37.20	8.83		492.
77	9 18	100	3069.	.445	.143	3.800	.059			182.00	37.30	8.67		520.
77	9 18	700	3299.	.537	.139	3.690	.054			235.00	37.20	7.84		459.
77	9 18	1300	3207.	.570	.138	4.220	.068			265.00	27.30	7.90		425.
77	9 18	1900	2802.	.575	.127	4.080	.054			263.00	20.90	7.96		417.
77	9 19	100	2413.	.524	.109	3.850	.056			233.00	20.00	8.31		428.
77	9 19	700	2266.	.511	.129	4.000	.050			217.00	20.90	8.46		452.
77	9 19	1300	2455.	.572	.150	3.590	.044			265.00	22.50	9.83	11.30	436.
77	9 19	1900	2824.	.601	.149	3.480	.036			294.00	22.70	9.99	12.00	442.
77	9 20	100	3184.	.608	.147	3.310	.042			291.00	23.50	10.40	11.60	455.
77	9 20	700	3207.	.594	.150	3.340	.038			278.00	23.30	10.30	12.00	432.
77	9 20	1300	3161.	.613	.144	3.300	.045			307.00	23.10	10.20	13.00	425.
77	9 20	1900	3069.	.573	.146	3.310	.034			280.00	22.70	10.30	12.10	430.
77	9 21	100	2890.	.571	.149	3.290	.034			260.00	22.90	10.30	11.00	437.
77	9 21	1300	2508.	.529	.147	3.190	.031			221.00	22.50	10.20	11.30	435.
77	9 21	1900	2020.	.510	.145	3.210	.036			232.00	23.20	10.40	11.30	421.
77	9 22	100	1732.	.484	.146	3.220	.034			212.00	23.20	10.40	9.90	422.
77	9 22	700	1451.	.442	.148	3.170	.035			86.30	22.60	10.30	8.70	432.
77	9 22	1300	1214.	.404	.147	3.160	.031			163.00	22.40	10.30	7.70	443.
77	9 22	1900	1012.	.382	.148	3.120	.027			146.00	22.00	10.30	7.10	449.
77	9 23	100	873.	.356	.146	3.180	.034			126.00	23.00	10.50	6.40	454.
77	9 23	700	761.	.329	.146	3.090	.036			102.00	22.30	10.30	5.80	464.
77	9 23	1300	670.	.312	.146	3.050	.031			91.10	22.40	10.40	5.30	471.
77	9 23	1900	600.	.312	.155	4.010	.024			74.00	19.80	9.25	5.30	481.
77	9 27	1300	187.	.210	.103	2.000	.226			47.90	33.30	10.80		584.
77	9 28	1300	105.	.182	.110	1.830	.225			34.70	34.00	11.10		608.
77	9 29	1300	125.	.184	.100	1.750	.204			29.30	34.70	10.50		629.
77	9 30	1300	109.	.185	.092	1.670	.208			26.10	34.30	11.40		637.

**HURON RIVER
AT
MILAN, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS MO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C UMHO
74	12	15	1600	1177.	.20C	.049	6.600			63.10		9.80		487.
74	12	15	2200	1177.	.190	.049	6.600			60.00		9.80		488.
74	12	16	400	1476.	.230	.046	6.800			88.20		10.10		476.
74	12	16	1000	2040.	.330	.042	6.800			202.00		9.90		450.
74	12	16	1600	2440.	.440	.033	6.400			325.00		9.50		432.
74	12	16	2200	2458.	.970	.058	6.200			2595.00		9.80		442.
74	12	17	400	2195.	.550	.050	5.400			853.00		10.00		419.
74	12	17	1000	1830.	.750	.042				509.00		9.50		432.
74	12	17	1600	1494.	.140	.058	6.000			744.00		10.50		442.
74	12	17	2200	1228.	.290	.075	6.000			512.00		9.60		451.
74	12	18	400	1043.	.270	.058	6.000			201.00		10.20		463.
74	12	18	1000	889.	.210	.067	6.000			224.00		9.70		481.
74	12	18	1600	772.	.240	.067	6.000			154.00		9.90		495.
74	12	18	2200	671.	.270	.072	6.000			143.00		10.00		512.
74	12	19	400	588.	.190	.076	6.000			167.00		10.00		530.
74	12	19	1000	522.	.270	.076	5.800			74.30		10.00		545.
74	12	19	1600	475.	.190	.083	5.800			149.00		10.00		573.
74	12	19	2200	435.	.290	.099	5.700			57.20		10.00		581.
74	12	20	400	387.	.160	.092	5.600			124.00		10.00		600.
74	12	20	1000	299.	.170	.092	5.600			41.30		10.00		610.
74	12	20	1600	348.	.290	.166	5.300			41.60		10.00		621.
74	12	20	2200	355.	.200	.108	5.100			69.90		10.00		630.
74	12	21	400	294.	.170	.116	5.100			32.20		11.80		637.
74	12	21	1000	256.	.160	.104	5.100			25.60		11.10		640.
74	12	21	1600	292.	.160	.104	5.000			21.80		12.60		652.
74	12	21	2200	306.	.170	.130	4.800			16.80		11.60		664.
74	12	22	400	272.	.134	.080	4.800			12.20	5.40	11.00		656.
74	12	22	1600	221.	.115	.080	4.500			22.10				651.
74	12	22	2200	215.	.129	.090	4.400			22.10				658.
74	12	23	400	198.	.129	.100	4.400			25.10				670.
74	12	23	1000	196.	.134	.100	4.200			26.00				678.
74	12	23	1600	219.	.161	.110	4.400			17.80				674.
74	12	23	2200	662.	.228	.060	4.800			164.00				514.
74	12	24	400	1735.	.308	.040	4.600			324.00				420.
74	12	24	1000	3144.	.442	.036	4.600			441.00				346.
74	12	24	1600	4208.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO USGS NO. 04199000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
74 12 24	2200	4522.	.396	.030	4.600	.020				396.00				317.
74 12 25	400	4554.	.359	.020	4.500	.060				335.00				305.
74 12 25	1000	4740.	.336	.020	4.600	.030				301.00				304.
74 12 25	1600	4216.	.276	.030	4.500	.010				225.00				307.
74 12 25	2200	3350.	.249	.030	4.600	.200				186.00				316.
74 12 26	400	2320.	.244	.020	4.800	.020				154.00				334.
74 12 26	1000	1526.	.196	.020	4.800	.020				130.00				358.
74 12 26	1600	1130.	.179	.050	4.800	.200				103.00				384.
74 12 26	2200	937.	.175	.050	5.000	.380				79.40				406.
74 12 27	400	746.	.147	.050	4.800	.030				59.90				423.
74 12 27	1000	629.	.152	.050	5.000	.040				56.00				447.
74 12 27	1600	565.	.138	.040	5.000	.090				52.30				471.
74 12 27	2200	516.	.145	.040	4.900	.020				45.90				490.
74 12 28	400	462.	.138	.080	4.800	.330				36.60				504.
74 12 28	1000	422.	.136	.060	4.800	.020				27.40				516.
74 12 28	1600	392.	.129	.060	4.800	.080				30.80				532.
74 12 28	2200	372.	.179	.120	4.600	.120				27.80				546.
74 12 29	400	355.	.219	.130	4.600	.100				26.40				558.
74 12 30	1100	360.	.120	.120		.090				20.40				623.
74 12 30	1700	417.	.134	.070		.100				33.80				596.
74 12 30	2300	497.	.116	.050		.010				23.30				594.
74 12 31	500	525.	.152	.080		.030				34.80				564.
74 12 31	1100	505.	.125	.060		.070				34.70				571.
74 12 31	1700	486.	.116	.050		.020				32.50				549.
74 12 31	2300	494.	.134	.070		.220				26.90				558.
75 1 1	500	650.	.134	.070		.080				27.80				547.
75 1 1	1100	899.	.152	.060		.950				47.10				518.
75 1 1	1700	1074.	.170	.060		.940				73.20				475.
75 1 1	2300	1012.	.201	.070		.570				71.50				477.
75 1 2	500	859.	.179	.060		.260				53.60				436.
75 1 2	1100	680.	.161	.060		.250				48.70				435.
75 1 2	1700	562.	.143	.060		.070				37.30				434.
75 1 2	2300	494.	.143	.060		.130				34.70				464.
75 1 3	500	454.	.147	.070		.110				26.70				469.
75 1 3	1100	417.	.170	.080		.120				25.20				498.
75 1 3	1700	399.	.170	.080		.060				32.50				503.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24.0	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	S102 MG/L	IRON MG/L	COND 25C. UMHO
75	1	3	2300	402.						22.90				557.
75	1	4	500	432.						18.80				560.
75	1	4	1100	470.						18.20				564.
75	1	4	1700	491.						15.30				551.
75	1	4	2300	475.						19.90				564.
75	1	5	500	448.						14.60				561.
75	1	5	1100	377.						15.30				578.
75	1	5	1700	360.						13.10				566.
75	1	5	2300	367.						12.30				573.
75	1	6	500	327.						13.50				563.
75	1	6	1600	282.						38.90	26.00	8.80		576.
75	1	6	2200	319.						114.00	32.00	8.80		586.
75	1	7	400	287.						33.00	46.00	8.80		754.
75	1	7	1000	267.						45.10		8.80		
75	1	7	1600	263.						11.10		8.80		618.
75	1	7	2200	267.						19.10	26.00	8.80		621.
75	1	8	400	309.						11.60	24.00	8.80		637.
75	1	8	1000	906.						15.40	40.00	8.70		547.
75	1	8	1600	2295.						18.50	31.00	8.70		449.
75	1	8	2200	3038.						535.00	23.00	7.60		397.
75	1	9	400	3810.						579.00	21.00	7.30		353.
75	1	9	1000	4128.						503.00	30.00	7.40		319.
75	1	9	1600	3723.						412.00	16.00	7.60		360.
75	1	10	1500	1316.						126.00	15.00	8.30		
75	1	10	1700	1356.								8.20		
75	1	10	1900	1466.					18.00					
75	1	10	2100	1526.						103.00	16.00	8.70		390.
75	1	10	2300	1595.								8.30		
75	1	11	100	1632.					25.00					
75	1	11	300	1650.						160.00	16.00	8.60		385.
75	1	11	500	1650.								8.60		
75	1	11	700	1645.					39.00					
75	1	11	900	1628.						127.00	15.00	8.60		397.
75	1	11	1100	1600.								8.50		
75	1	11	1300	1530.					36.00					
75	1	11	1500	1450.						149.00	16.00	8.50		399.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOK RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2 NO-3	NH-3	ORG. NTT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C. UMHO
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
75	1	11	1700	1372.	.348	.070	4.200	.190				8.60		
75	1	11	2100	1204.	.336	.070	4.100	.070		146.00	16.00	8.50		411.
75	1	11	2300	1126.	.324	.060	4.200	.140				8.60		
75	1	12	300	958.	.330	.070	4.200	.080		113.00	16.00	8.70		347.
75	1	12	500	882.	.290	.065	4.100	.170				8.50		
75	1	12	900	759.	.282	.060	4.100	.040		94.90	17.00	8.50		357.
75	1	12	1100	708.	.284	.070	4.200	.080				8.80		
75	1	12	1500	632.	.270	.070	4.000	.160		77.20	19.00	8.50		342.
75	1	12	1700	597.	.256	.070	4.200	.090				9.30		
75	1	12	2100	542.	.248	.070	4.100	.160		61.90	18.00	8.70		444.
75	1	13	1100	362.	.190	.080	4.400	.139		53.80	24.00	10.90		609.
75	1	13	1300	360.	.180	.077	4.350	.180		64.40		8.90		
75	1	13	1500	379.	.180	.140		.275		69.50		10.20		
75	1	13	1700	379.	.200	.085	4.550	.152		51.00	26.00	9.00		541.
75	1	13	1900	379.	.200	.085	4.500	.193		58.70		9.05		
75	1	13	2100	377.	.250	.210		.353		60.10		10.20		
75	1	13	2300	348.	.280	.075	4.600	.210		47.00	31.00	11.00		557.
75	1	14	100	250.	.230	.122	4.650	.212		54.10		10.60		
75	1	14	300	250.	.210	.178		.287		61.70		10.20		
75	1	14	500	250.	.190	.110	4.700	.157		44.70	34.00	11.30		567.
75	1	14	700	250.	.200	.100	4.750	.223		50.50		9.95		
75	1	14	900	250.	.205	.205		.400		53.40		10.70		
75	1	14	1100	250.	.220	.125	4.750	.290		42.60	36.00	11.40		582.
75	1	14	1300	250.	.220	.120	4.800	.828		58.10		9.85		
75	1	14	1500	250.	.230	.212		.320		58.10		10.30		
75	1	14	1700	250.	.240	.157	4.800	.245		40.90	38.00	11.40		587.
75	1	14	1900	250.	.225	.055	4.700	.185		48.50		10.60		
75	1	14	2100	250.	.220	.220		.305		50.80		10.40		
75	1	14	2300	250.	.200	.130	4.850	.160		41.10	42.00	10.40		565.
75	1	15	100	120.	.190	.102	4.850	.213		44.10		10.40		
75	1	15	300	120.	.180	.152		.287		47.50		10.30		
75	1	15	500	120.	.230	.072	5.100	.203		37.00	40.00	12.20		592.
75	1	15	700	120.	.180	.078	5.150	.185		39.90		11.40		
75	1	15	900	120.	.160	.145		.292		44.20		10.20		
75	1	15	1100	120.	.140	.123	5.000	.357		33.20	42.00	11.60		601.
75	1	15	1300	120.	.220	.120	5.050	.243		38.60		11.40		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MURON RIVER

STREAM : MURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 1 15 1500	120.	.190	.230	4.850	.357				40.20	41.00	10.60		618.
75 1 15 1700	120.	.395	.110	3.950	.217				33.80	41.00	12.10		649.
75 1 17 1100	95.	.206	.120	3.900	.173				17.00	40.00	11.00		642.
75 1 17 1700	95.	.193	.140	3.800	.152				8.30	40.00	10.90		691.
75 1 17 2300	95.	.202	.151	3.700	.147				14.10	40.00	10.30		705.
75 1 18 500	95.	.202	.150	3.700	.145				27.30	39.00	10.70		707.
75 1 18 1100	95.	.193	.132	3.800	.155				6.60	41.00	11.20		716.
75 1 18 2300	95.	.185	.143	3.700	.140				9.40	65.00	10.40		717.
75 1 19 500	100.	.209	.170	3.700	.186				7.30	88.00	9.45		722.
75 1 19 1100	100.	.258	.195	3.550	.213				7.50	80.00	11.10		769.
75 1 19 1700	100.	.250	.170	3.550	.195				7.20	50.00	9.35		753.
75 1 19 2300	100.	.185	.135	3.450	.182				7.60	52.00	9.40		788.
75 1 20 500	110.	.167	.112	3.250	.165				8.80	46.00	9.40		751.
75 1 20 1100	110.	.153	.112	3.200	.117				7.80	51.00	9.45		753.
75 1 20 1700	110.	.161	.115	3.150	.160				8.30	49.00	9.45		749.
75 1 20 2300	110.	.161	.105	2.950	.193				6.00	50.00	10.60		752.
75 1 21 500	100.	.177	.105	2.950	.170				8.10	52.00	10.40		742.
75 1 21 1100	100.	.193	.133	2.950	.191				7.80	52.00	9.20		734.
75 1 21 1700	100.	.226	.132	2.900	.186				6.20	52.00	9.00		744.
75 1 21 2300	100.	.226	.160	3.000	.208				8.30	54.00	9.00		743.
75 1 22 500	95.	.218	.155	3.000	.205				8.50	41.00	9.00		731.
75 1 22 1100	95.	.218	.145	2.950	.195				6.50	43.00	9.00		731.
75 1 22 1700	95.	.185	.150	2.850	.245				14.60	42.00	9.00		734.
75 1 22 2300	95.	.169	.135	2.700	.280				7.90	52.00	9.00		756.
75 1 23 500	85.	.185	.081	2.600	.272				6.50	43.00	9.00		749.
75 1 23 1030	85.	.190	.172	2.500	.175				7.90	43.00	9.00		751.
75 1 23 1630	85.	.200	.180	2.400	.128				8.60	42.00	9.00		739.
75 1 23 2230	85.	.220	.150	2.400	.147				7.30	45.00	9.00		748.
75 1 24 430	90.	.220	.180	2.400	.145				7.80	45.00	9.00		759.
75 1 24 1030	90.	.200	.140	2.350	.170				7.10	44.00	9.00		857.
75 1 24 2230	90.	.260	.225	2.500	.092				86.50	51.00			765.
75 1 25 430	90.	.220	.205	2.400	.145								761.
75 1 25 1030	90.	.220	.160	2.300	.105								722.
75 1 25 1630	90.	.250	.205	2.350	.130								
75 1 25 2230	90.	.440	.240	2.250	.180								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	1 26	430	1174.	.302	.095	2.100	.285			119.00	41.00			656.
75	1 26	1030	1395.	.410	.100	2.250	.485			239.00	32.00			513.
75	1 26	1630	1212.	.360	.120	2.150	.410			145.00	32.00			500.
75	1 26	2230	944.	.370	.100	2.300	.332			148.00	30.00			472.
75	1 27	430	730.	.300	.115	2.500	.288			99.70	31.00			446.
75	1 27	1030	638.	.280	.132	2.600	.312			73.60	31.00			441.
75	1 27	1630	545.	.240	.095	2.600	.280			66.70	31.00			456.
75	1 27	2230	402.	.260	.123	2.650	.198			69.60	32.00			459.
75	1 28	430	342.	.240	.132	2.800	.245			52.40	33.00			475.
75	1 28	1030	299.	.250	.138	2.700	.273			43.10	33.00			492.
75	1 28	1630	270.	.250	.185	2.650	.194			35.40	35.00			506.
75	1 28	2230	265.	.220	.165	2.650	.213			31.60	32.00			525.
75	1 29	430	419.	.210	.132	2.600	.190			32.20	33.00			546.
75	1 29	1030	1546.	.450	.157	2.700	.120			219.00	46.00			540.
75	1 29	1630	3506.	.840	.113	3.000	.275			676.00	26.00			369.
75	1 29	2230	4248.	.760	.092	2.750	.245			656.00	21.00			340.
75	1 30	430	3888.	.690	.098	2.800	.190			506.00	21.00			298.
75	1 30	1030	2746.	.660	.062	3.040	.172			339.00	25.00			312.
75	1 30	1630	1636.	.450	.060	3.450	.147		1.200	366.00	26.00			345.
75	1 30	2230	1212.	.370	.071	3.680	.149		1.100	176.00	29.00			371.
75	1 31	430	993.	.350	.075	3.890	.135		1.030	117.00	31.00			384.
75	1 31	1030	855.	.310	.096	4.030	.130		3.800	95.10	32.00			404.
75	1 31	1630	749.	.260	.082	4.000	.124		.700	76.80	33.00			423.
75	1 31	2230	684.	.230	.086	4.040	.141		.700	55.80	34.00			442.
75	2 1	430	626.	.230	.084	4.120	.131		.700	33.60	35.00			460.
75	2 1	1030	582.	.200	.086	4.230	.135		.700	35.60	35.00			478.
75	2 1	1630	534.	.230	.092	4.200	.124		.600	33.50	36.00			478.
75	2 1	1700	534.	.170	.081	4.110	.108			27.20	21.00			461.
75	2 2	500	454.	.160	.097	4.030	.070			29.60	21.00			483.
75	2 2	1700	399.	.170	.115	4.170	.130			29.50	21.00			502.
75	2 3	500	345.	.160	.103	4.150	.321	1.100	17.00	17.10	22.00			520.
75	2 3	1700	319.	.170	.105	4.030	.281			19.30	21.50			541.
75	2 4	500	319.	.170	.123	3.920	.065	.700	37.00	18.80	23.00			552.
75	2 4	1900	279.	.215	.215	3.650		.900	41.00	13.70	40.00			616.
75	2 5	500	242.							12.90	40.00			625.
75	2 5	1900	242.		.135	3.650	.005							

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE	TIME 2400 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	2 6 1900	263.		.135	3.350	.030				12.40	42.50			656.
75	2 7 1900	275.		.140	2.850	.025				8.70	48.00			699.
75	2 8 1900	292.		.145	2.800	.030				8.60	47.50			715.
75	2 9 1900	196.		.155	2.750	.055					47.00			692.
75	2 10 1900	396.		.145	2.800	.060				7.70	49.50			727.
75	2 18 1900	3401.	.500	.010	3.200	.030				354.00	22.40			354.
75	2 18 1900	2716.	.420	.020	4.600	.090				319.00	19.80			334.
75	2 18 2200	1902.	.310	.020	5.800	.085				211.00	20.30			346.
75	2 19 400	1522.	.260	.020	5.300	.075				141.00	21.50			368.
75	2 19 1000	1272.	.180	.020	5.400	.100				105.00	22.30			385.
75	2 19 1600	1070.	.150	.020	5.400	.065				69.10	22.40			401.
75	2 19 2200	930.	.150	.050	5.500	.067				65.20	24.30			428.
75	2 20 400	628.	.150	.040	5.500	.080				54.40	24.60			436.
75	2 20 1000	721.	.180	.040	5.500	.065				38.30	25.90			447.
75	2 20 1600	626.	.120	.050	5.400	.043				85.90	25.00			461.
75	2 20 2200	548.	.120	.050	5.300	.058				39.60	26.80			478.
75	2 21 400	502.	.120	.060	5.200	.055				29.50	27.00			489.
75	2 21 1000	464.	.120	.060	5.200	.050				23.10	27.90			503.
75	2 21 1600	435.	.120	.060	5.000	.049				24.20	28.90			514.
75	2 21 2200	409.	.120	.060	4.900	.028				27.20	29.00			517.
75	2 22 400	399.	.120	.070	4.800	.040				26.10	30.00			537.
75	2 22 1000	392.	.120	.070	4.700	.035				23.00	29.60			538.
75	2 22 1600	387.	.110	.070	4.600	.031				20.30	29.70			552.
75	2 22 2200	406.	.110	.060	4.500	.085				19.60	31.10			556.
75	2 23 400	1296.	.480	.160	4.500	.079		.700	19.00	189.00	36.90			599.
75	2 23 1000	4280.	1.030	.040	4.200	.085		1.000	68.00	1028.00	23.30			362.
75	2 23 1600	5800.	1.030	.035	4.200	.065		.700	69.00	1002.00	18.30			306.
75	2 23 2200	5910.	.880	.030	3.700	.075		.700	50.00	765.00	17.50			380.
75	2 24 400	6961.	.850	.040	3.600	.090		.700	51.00	734.00	17.00			272.
75	2 24 930	7466.	.757	.038	3.580	.080		.700	51.00	710.00	12.00			263.
75	2 24 1000	7479.						.800	32.00					
75	2 24 1230	7300.	.610	.041	3.440	.071		.700	44.00	498.00	12.00			259.
75	2 24 1530	6630.						.700	32.00					
75	2 24 1600	6830.												
75	2 24 1830	6280.	.540	.060	3.360	.232				389.00	13.00			266.
75	2 24 2130	5780.												

MAJOK RIVER BASIN : HUON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

[illegible]

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199800

SAMPLING DATE	TIME	FLOW	TOTAL	ORTH	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR	MO	DAY	PHOS.	PHOS.	NO-3	MG/L	MIT.	KJELD	MG/L	MG/L	RIDE	MG/L	MG/L	25C.
75	3	5	MG/L	MG/L	MG/L		MG/L	MG/L			MG/L			UMHO
75	3	5	256.	.174	2.660	.083				10.80	59.00			643.
75	3	5	242.	.095	2.720	.068				9.60	46.00			641.
75	3	5	232.	.169	2.680	.099				9.70	45.50			646.
75	3	5	256.	.167	2.740	.079				8.20	43.80			645.
75	3	5	256.	.201	2.620	.067				9.60	43.50			644.
75	3	6	251.	.161	2.680	.003				12.40	41.80			641.
75	3	6	260.	.187	2.700	.121				12.30	43.00			649.
75	3	6	263.	.185	2.700	.100				12.00	45.00			655.
75	3	7	275.	.166	2.660	.066				9.30	43.00			643.
75	3	7	317.	.177	2.540	.061				17.90	42.30			640.
75	3	7	659.	.155	2.580	.045				11.50	45.00			634.
75	3	7	1755.	.412	2.860	.037				286.00	49.00			551.
75	3	8	2675.	.524	3.460	.086				380.00	33.00			431.
75	3	8	2722.	.486	3.300	.016				354.00	28.50			402.
75	3	8	2040.	.479	2.540	.239				311.00	28.00			363.
75	3	8	1434.	.406	3.700	.080				225.00	27.20			350.
75	3	9	1070.	.335	3.700	.126				171.00	26.20			366.
75	3	9	782.	.273	3.700	.097				89.50	29.50			379.
75	3	9	653.	.244	3.580	.015				68.70	29.90			397.
75	3	9	635.	.217	3.660	.029				52.30	30.00			417.
75	3	10	573.	.201	3.600	.046				53.10	31.50			436.
75	3	10	545.	.196	3.660	.076				43.70	32.50			455.
75	3	10	516.	.174	3.520	.050				41.90	33.30			472.
75	3	10	511.	.180	3.920	.051				45.10	29.00	8.42		494.
75	3	11	419.	.190	3.680	.085				27.50	35.00	9.10		494.
75	3	12	486.	.140	3.380	.081				27.10	34.00	8.50		551.
75	3	13	626.	.150	3.500	.078				39.50	30.00	6.15		546.
75	3	14	451.	.170	3.750	.078				36.00	30.00	6.60		527.
75	3	15	348.	.150	3.590	.089				23.20	33.00	6.55		538.
75	3	16	355.	.180	3.300	.089				18.30	70.00	6.50		668.
75	3	17	427.	.170	3.300	.109				14.80	48.00	6.88		621.
75	3	18	1340.	.210	3.240	.092				151.00	31.00	8.90		449.
75	3	19	1276.	.180	4.000	.092				91.10	24.00	9.35		378.
75	3	20	951.	.210	4.100	.070				68.30	25.00	10.70		423.
75	3	21	536.	.170	4.000	.092				36.60	28.00	10.50		459.
75	3	22	427.	.160	3.760	.075				38.70	30.50	10.90		517.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24/0 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	3 23	1300												
75	3 24	1300	.130	.091	3.470	.118				15.40	33.00	9.62		555.
75	3 24	1900	.330	.186	2.910	.161				103.00	36.50	9.63		571.
75	3 25	100	1.180	.039	2.840	.202				662.00	22.50	8.48		357.
75	3 25	100	1.000	.033	2.630	.131				930.00	19.00	7.96		307.
75	3 25	700	.820	.042	2.750	.126				706.00	19.50	8.86		315.
75	3 25	1015	.591	.050	2.800	.100				512.00	25.00	7.35		343.
75	3 25	1615	.478	.055	3.000	.110				270.00	29.50	8.10		392.
75	3 25	2215	.327	.065	3.100	.110				168.00	31.00	8.40		411.
75	3 26	415	.216	.070	3.100	.110				98.00	29.50	8.60		430.
75	3 26	1015	.165	.070	3.000	.100				90.20	32.50	8.80		454.
75	3 26	1615	.120	.070	2.900	.110				57.00	35.00	9.00		475.
75	3 26	2215	.107	.065	2.800	.090				61.90	38.00	8.80		491.
75	3 27	415	.081	.070	2.700	.090				31.20	37.00	8.90		501.
75	3 27	1015	.085	.075	2.700	.090				42.20	37.50	8.90		511.
75	3 27	1615	.095	.080	2.700	.085				27.40	38.50	9.50		531.
75	3 27	2215	.115	.085	2.600	.080				30.40	39.00	9.20		537.
75	3 28	415	.080	.080	2.600	.080				23.10	39.50	9.30		549.
75	3 28	1015	.093	.090	2.500	.100				13.90	40.00	9.10		567.
75	3 28	2215		.100	2.500	.090				18.20	41.00	8.80		575.
75	3 29	415		.090	2.400	.070				15.20	41.00	8.70		579.
75	3 29	1015		.090	2.400	.080				16.30	36.00	8.50		581.
75	3 29	1615	.184	.080	2.400	.090				15.30	41.50	8.80		559.
75	3 29	2215	1012.	.090	2.400	.110				26.50	37.50	7.90		542.
75	3 30	415	.254	.060	2.500	.070				106.00	35.50	7.40		483.
75	3 30	1015	.267	.060	2.500	.100				151.00	34.50	7.50		467.
75	3 30	1615	.247	.060	2.600	.100				211.00	35.50	7.60		477.
75	3 30	2215	.187	.050	2.700	.090				176.00	38.00	7.70		487.
75	3 31	415	.158	.060	2.700	.070				72.60	34.50	8.00		482.
75	3 31	1015	.124	.060	2.700	.090				82.90	36.50	8.10		488.
75	3 31	1615	.124	.060	2.700	.090				38.50	38.50	8.20		501.
75	3 31	2215	.103	.070	2.600	.080				84.70	38.00	8.20		503.
75	4 1	415	.109	.070	2.700	.050				46.10	39.50	8.20		522.
75	4 1	930		.110	2.820	.430				26.70	59.00	9.90		523.
75	4 2	930		.090	2.600	.690				23.50	59.00	7.90		564.
75	4 3	930		.100	2.390	.210				34.40	61.00	7.00		590.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199800

SAMPLING DATE VR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	4	4	930	244.										
75	4	5	930	215.										
75	4	6	930	204.										
75	4	7	930	185.										
75	4	8	930	183.										
75	4	10	1000	158.										
75	4	17	400	114.										
75	4	17	1030	112.										
75	4	18	1030	108.										
75	4	19	1030	129.										
75	4	20	1030	120.										
75	4	21	1030	115.										
75	4	22	1030	102.										
75	4	23	1030	97.										
75	4	24	430	112.										
75	4	24	1030	122.										
75	4	25	1030	170.										
75	4	26	1030	168.										
75	4	27	1030	144.										
75	4	28	1030	131.										
75	4	29	1030	131.										
75	4	29	1300	131.										
75	4	30	1300	144.										
75	5	1	1300	196.										
75	5	2	1300	185.										
75	5	3	1300	146.										
75	5	4	1300	138.										
75	5	5	1300	135.										
75	5	6	700	206.										
75	5	8	1300	337.										
75	5	9	1300	229.										
75	5	10	1300	183.										
75	5	11	1300	138.										
75	5	12	1300	126.										
75	5	13	1300	115.										
75	5	14	1300	102.										
75	4	4	930			2.060	.400			9.20	72.00	5.10		619.
75	4	5	930			1.950	.150			10.80	70.00	4.70		624.
75	4	6	930			1.630	.670			5.90	67.00	4.60		625.
75	4	7	930			1.520	1.100			8.00	67.00	4.30		633.
75	4	8	930			1.410	.190			11.80	64.00	4.30		632.
75	4	10	1000			1.120	.090			21.10	60.00	5.98		651.
75	4	17	400			.830	.060			16.90	76.00	4.85		715.
75	4	17	1030			.950	.160			11.80	74.00	4.70		705.
75	4	18	1030			1.000	.150			29.20	66.00	4.60		700.
75	4	19	1030			.800	.140			59.80	66.00	4.80		709.
75	4	20	1030			1.000	.280			51.10	68.00	5.50		721.
75	4	21	1030			.700	.130			25.60	68.00	5.20		711.
75	4	22	1030			.600	.140			5.30	66.00	4.50		724.
75	4	23	1030			.500	.150			28.50	66.00	2.00		720.
75	4	24	430			.425	.160			59.80	66.00	2.20		719.
75	4	24	1030			.600	.060			52.80	64.50	6.80		703.
75	4	25	1030			.800	.090			19.20	69.00	6.30		718.
75	4	26	1030			.400	.850			11.40	61.00	6.00		734.
75	4	27	1030			.300	.850			12.10	62.00	6.80		730.
75	4	28	1030			.400	.800			17.60	65.00	6.00		715.
75	4	29	1030			.300	.045			15.50	64.00	7.10		685.
75	4	29	1300			.600	.020			14.20	46.00	3.60		661.
75	4	30	1300			.600	.022			29.10	46.00	3.30		655.
75	5	1	1300			.500	.030			42.00	42.00	3.20		651.
75	5	2	1300			.400	.051			35.30	40.00	3.20		644.
75	5	3	1300			.800	.096			29.80	40.00	4.00		635.
75	5	4	1300			.400	.153			21.40	41.00	4.60		638.
75	5	5	1300			.500	.140			17.10	40.00	4.10		653.
75	5	6	700			.500	.132			48.60	29.00	10.90		504.
75	5	8	1300			3.290	.001			34.20	31.50	9.90		527.
75	5	9	1300			2.810	.015			25.20	52.50	8.30		560.
75	5	10	1300			2.150	.007			27.20	34.00	5.55		575.
75	5	11	1300			1.470	.011			27.20	33.50	5.80		595.
75	5	12	1300			1.150	.060			44.30	35.00	4.40		610.
75	5	13	1300			1.150	.071			33.60	35.00	5.85		631.
75	5	14	1300			.890	.054							

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24.00 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	5 15	700	.221	.132	.500	.084				28.00	36.00	5.35		639.
75	5 15	1400	.234	.098	.800	.117				42.00	53.00	4.96		666.
75	5 16	1400	.246	.166	.750	.205				37.30	52.00	4.88		679.
75	5 17	1400	.273	.178	1.020	.081				44.00	55.00	5.42		701.
75	5 18	1400	.294	.209	.770	.193				31.80	54.00	5.04		716.
75	5 19	1400	.264	.155	.640	.119				34.40	51.00	5.04		726.
75	5 20	1400	.297	.158	.960	.022				54.10	64.00	5.48		694.
75	5 20	2000	.312	.196	1.080	.076				10.70	61.00	8.77		711.
75	5 21	200	.354	.220	1.150	.025				30.60	63.00	6.98		718.
75	5 21	800	.328	.210	1.190	.028				41.40	65.00	7.48		726.
75	5 21	1400	.380	.218	1.320	.026				37.10	64.00	6.60		719.
75	5 21	2000	.384	.255	1.280	.050				74.20	67.00	8.61		711.
75	5 22	200	.414	.295	.950	.020				67.60	63.00	8.23		712.
75	5 22	800	.464	.287	1.300	.025				79.60	61.00	8.32		679.
75	5 22	1400	.354	.165	2.360	.021				199.00	56.00	9.34		641.
75	5 22	2000	.270	.091	3.310	.040				492.00	48.00	11.20		563.
75	5 23	200	.512	.175	5.300	.029				281.00	53.00	11.70		472.
75	5 23	800	.720	.110	5.120	.040				249.00	55.00	12.30		509.
75	5 23	1400	.505	.102	5.870	.030				131.00	57.00	13.10		552.
75	5 23	2000	.474	.100	6.030	.024				122.00	57.00	12.20		587.
75	5 24	200	.369	.100	5.540	.038				132.00	59.00	11.90		608.
75	5 24	800	.340	.128	5.140	.041				102.00	59.00	12.10		622.
75	5 24	1400	.384	.159	4.900	.040				60.80	59.00	13.40		631.
75	5 24	2000	.350	.151	4.610	.058				101.00	60.00	12.70		631.
75	5 25	200	.297	.140	4.620	.050				87.40	60.00	13.80		630.
75	5 25	800	.303	.115	4.320	.071				70.10	60.00	12.40		644.
75	5 25	1400	.341	.146	4.130	.051				1519.00	42.00	11.60		407.
75	5 25	2000	.309	.160	3.780	.067				950.00	39.00	12.80		411.
75	5 26	200	.345	.147	3.470	.055				884.00	40.00	12.80		463.
75	5 26	800	1.670	.070	4.800	.114				970.00	39.00	12.40		426.
75	5 26	1400	1.100	.032	5.500	.121				692.00	36.00	12.40		394.
75	5 26	2000	1.050	.051	5.120	.134				301.00	40.50	14.80		425.
75	5 27	200	1.110	.050	6.300	.140								
75	5 27	800	.514	.040	7.000	.144								
75	5 27	1345	.684	.067	7.530	.168								
75	5 27	1945	.517	.070	7.820	.042								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MURON RIVER

STREAM : MURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPENDED SOLIDS	CHLORIDE	SI02	IRON	COND
YR MO DY	MRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	25C. UMHQ
75	5 28	145	.445	.070	7.780	.040				244.00	41.50	16.60		445.
75	5 28	287	.392	.100	7.750	.052				204.00	40.00	16.70		461.
75	5 28	1345	.438	.107	7.460	.044				238.00	46.00	16.50		473.
75	5 28	1945	.355	.105	7.500	.105				151.00	48.00	15.80		491.
75	5 29	145	.315	.110	6.700	.038				116.00	50.00	16.70		500.
75	5 29	745	.332	.125	6.870	.049				124.00	51.00	17.00		518.
75	5 29	1345	.390	.140	6.400	.080				159.00	52.00	17.60		540.
75	5 29	1945	.517	.141	6.500	.046				435.00	54.00	17.60		551.
75	5 30	145	.364	.130	5.880	.119				144.00	54.00	14.80		558.
75	5 30	745	.282	.130	5.450	.050				79.60	58.00	16.40		575.
75	5 30	1345	.332	.143	5.150	.070				141.00	57.00	15.30		562.
75	5 30	1945	.386	.150	4.950	.065				122.00	58.00	16.60		593.
75	5 31	145	.366	.160	4.800	.090				114.00	58.00	14.50		603.
75	5 31	745	.330	.167	4.550	.125				128.00	60.00	15.90		613.
75	5 31	1345	.350	.160	3.950	.086				86.10	59.00	16.40		613.
75	5 31	1945	.313	.162	3.900	.090				94.60	61.00	16.20		619.
75	6 1	145	.345	.190	3.700	.090				103.00	61.00	16.80		623.
75	6 1	745	.340	.180	3.420	.087				84.70	60.00	13.00		632.
75	6 1	1345	.322	.183	3.170	.610				103.00	63.00	16.60		632.
75	6 1	1945	.405	.230	2.820	.070				121.00	65.00	14.90		637.
75	6 2	145	.519	.300	2.920	.286				74.60	72.00	11.00		631.
75	6 2	745	.446	.246	2.650	.095				103.00	68.00	13.80		633.
75	6 2	1100	.355	.232	2.950	1.870				96.00	67.00	13.00		642.
75	6 2	1700	.342	.206	2.680	.058				85.10	65.00	14.10		664.
75	6 2	2300	.292	.169	2.380	.030				81.20	68.00	14.50		660.
75	6 3	500	.256	.146	2.250	.038				117.00	66.00	14.10		612.
75	6 3	1100	.409	.299	2.700	.053				150.00	57.00	14.20		582.
75	6 3	1700	.337	.186	2.670	.033				146.00	57.00	14.80		577.
75	6 3	2300	.274	.108	3.600	.061				173.00	51.00	14.60		537.
75	6 4	500	.288	.114	4.170	.061				249.00	52.00	14.10		514.
75	6 4	1100	.301	.112	4.900	.030				227.00	56.00	11.60		505.
75	6 4	1700	.337	.117	4.520	.061				1025.00	55.00	14.80		505.
75	6 4	2300	.381	.118	4.900	.062								
75	6 5	500	.431	.181	6.350	.062								
75	6 5	1100	.346	.121	6.320	.920								
75	6 5	1700	.458	.117	7.020	.073								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE	TIME 24:00	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	6	5 2300	1.140	.070	5.460	.114				1328.00	33.00	14.00		406.
75	6	6 500	1.280	.082	6.100	.130				1353.00	36.00	13.20		378.
75	6	6 1100	.998	.061	6.300	.122				1067.00	38.50	13.50		382.
75	6	6 1700	.836	.055	7.320	.183				843.00	41.00	13.90		394.
75	6	6 2300	.647	.061	8.200	.185				607.00	44.00	14.50		421.
75	6	7 500	.526	.070	8.380	.171				509.00	47.00	14.80		448.
75	6	7 1100	.436	.081	8.480	.224				335.00	49.00	13.80		465.
75	6	7 1700	.359	.080	8.300	.175				1745.00	50.00	15.90		488.
75	6	7 2300	.319	.096	8.100	.151				218.00	52.00	16.00		506.
75	6	8 500	.306	.102	7.830	.152				163.00	52.00	16.00		522.
75	6	8 1100	.292	.117	7.470	.117				155.00	54.00	15.20		530.
75	6	8 1700	.283	.117	7.080	.117				143.00	55.00	15.40		540.
75	6	8 2300	.265	.096	6.730	.099				23.50	56.00	16.10		549.
75	6	9 500	.196	.102	6.450	.112				124.00	57.00	15.70		563.
75	6	9 1300	.168	.108	12.500	.048				152.00	29.50	13.00		593.
75	6	9 1900	.309	.109	11.900	.050				149.00	32.00	13.30		583.
75	6	10 100	.241	.113	9.810	.042				131.00	33.00	10.10		594.
75	6	10 700	.226	.113	8.360	.032				114.00	34.00	11.50		600.
75	6	10 1300	.265	.122	6.980	.042				149.00	34.50	9.70		605.
75	6	10 1900	.285	.130	6.690	.042				167.00	36.00	8.91		620.
75	6	11 100	.232	.145	5.480	.031				98.00	37.50	8.90		626.
75	6	11 700	.275	.162	5.480	.033				110.00	36.50	9.50		638.
75	6	11 1300	.285	.148	7.510	.024				132.00	37.50	9.23		640.
75	6	11 1900	.260	.164	7.390	.023				149.00	38.50	9.01		637.
75	6	12 100	.318	.164	4.870	.032				93.50	38.00	14.50		648.
75	6	12 700	.254	.122	4.950	.043				93.70	37.50	15.00		652.
75	6	12 1300	.280	.188	4.950	.043				89.90	39.50	14.20		660.
75	6	12 1900	.324	.228	4.550	.041				78.60	40.00	13.00		658.
75	6	13 100	.314	.218	4.310	.057				80.60	39.50	14.30		670.
75	6	13 700	.265	.177	4.130	.069				101.00	40.00	14.90		674.
75	6	13 1300	.277	.161	3.920	.068				76.20	40.00	15.10		674.
75	6	13 1900	.260	.161	3.640	.060				102.00	40.50	14.50		681.
75	6	14 100	.284	.158	3.490	.060				87.00	39.50	15.60		705.
75	6	14 700	.265	.162	3.390	.058				103.00	40.50	14.30		709.
75	6	14 1300	.265	.141	3.390	.064				117.00	43.00	14.10		723.
75	6	14 1900	.309	.143	3.170	.390								

AD-A079 652

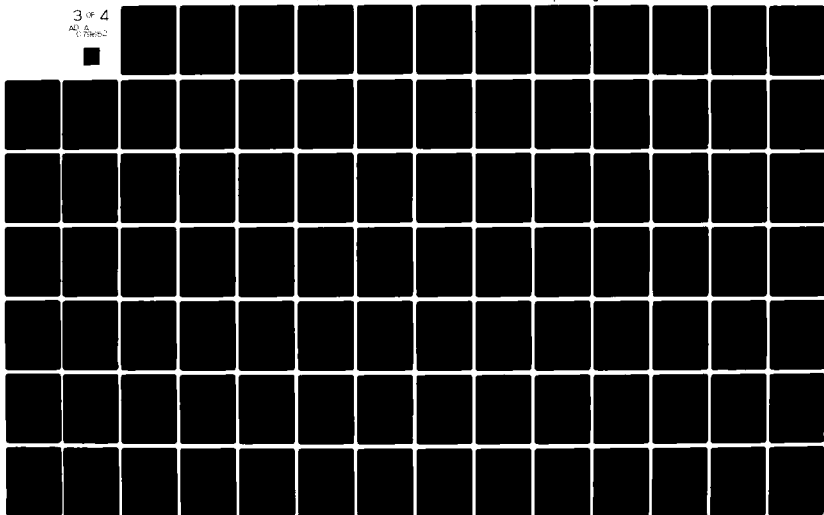
CORPS OF ENGINEERS BUFFALO N Y BUFFALO DISTRICT
WATER QUALITY DATA FOR LAKE ERIE BASIN TRIBUTARY MOUTH SAMPLING--ETC(U)
DEC 78

F/8 6/6

UNCLASSIFIED

NL

3 OF 4
AD-A079 652



LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24.0 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	6 15	100	.280	.148	2.860	.055				71.10	43.50	14.00		722.
75	6 15	700	.260	.151	2.320	.048				84.70	43.00	13.80		746.
75	6 15	1300	.251	.132	2.240	.041				83.70	42.00	13.20		751.
75	6 15	1900	.280	.123	1.970	.044				87.50	42.50	13.00		747.
75	6 16	100	.280	.150	1.670	.030				64.20	45.00	12.10		735.
75	6 16	700	.338	.130	1.420	.027				97.60	45.50	12.00		700.
75	6 16	1400	.236	.210	1.990	.010				93.40		13.50		654.
75	6 16	2000	.200	.130	2.130	.005				70.20		13.80		654.
75	6 17	200	.188	.125	3.230					85.20		13.80		625.
75	6 17	800	.196	.130	3.780					85.20		15.40		631.
75	6 17	1400	.216	.147	4.170	.005				94.30		18.20		633.
75	6 17	2000	.144	.140	3.990	.005				94.50		16.40		637.
75	6 18	200	.196	.140	4.100	.010				112.00		17.10		619.
75	6 18	800	.284	.157	4.260	.005				135.00		15.40		619.
75	6 18	1400	.320	.175	4.410	.005				150.00		15.60		623.
75	6 18	2000	.408	.200	4.800	.010				168.00		17.30		607.
75	6 19	200	.316	.210	5.020	.005				101.00		16.80		601.
75	6 19	800	.288	.175	4.930	.016				99.20		16.20		607.
75	6 19	1400	.324	.170	4.880					140.00		14.80		608.
75	6 19	2000	.276	.172	4.770					114.00		15.50		609.
75	6 20	200	.244	.198	4.730					67.40		11.00		611.
75	6 20	800	.252	.210	4.610	.016				69.90		16.20		616.
75	6 20	1400	.210	.210	4.360	.010				66.00		16.40		630.
75	6 20	2000	.356	.270	3.990	.005				79.60		15.30		641.
75	6 21	200	.248	.175	3.700	.005				53.70		14.00		631.
75	6 21	800	.304	.145	3.460					121.00		16.60		629.
75	6 21	1400	.196	.140	2.750	.016				120.00		17.90		663.
75	6 21	2000	.256	.145	2.780	.021				82.60		16.70		668.
75	6 22	200	.252	.145	2.740	.026				57.70		16.10		665.
75	6 22	800	.260	.140	3.080	.010				80.40		16.70		630.
75	6 22	1400	.264	.150	3.670	.016				88.40				573.
75	6 22	2000	.260	.150	3.730	.037				74.40				561.
75	6 23	200	.276	.155	4.110	.042				75.40				532.
75	6 23	800	.320	.155	4.400	.026				169.00				529.
75	6 26	1030	.400	.236	3.720					68.70				626.
75	6 27	1030	.465	.374	3.310	.160				67.40				670.

MAJOR RIVER BASIN : HURON RIVER

STRE 24

HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

[illegible]

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MURON RIVER

STREAM : MURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	7	17	2300	44.							43.50	2.89		690.
75	7	18	500	42.								1.51		
75	7	18	1100	33.							40.20	2.45		711.
75	7	19	1100	360.						94.30	42.00			715.
75	7	20	1100	710.						118.00	48.00	2.40		682.
75	7	21	1100	540.						168.00	48.50	.98		664.
75	7	22	1100	605.						75.80	48.00	2.23		619.
75	7	23	1100	392.						141.00	47.00	.94		590.
75	7	24	500	585.								.70		
75	7	24	1145	440.						390.00	54.00	2.41		666.
75	7	25	1145	372.						57.70	53.50	3.20		664.
75	7	26	1145	510.						92.80	54.00	1.10		695.
75	7	27	1145	392.						67.40	54.50	.78		702.
75	7	28	1145	530.						122.00	54.00	3.20		709.
75	7	29	1145	525.						121.00	54.20	1.08		711.
75	7	30	1145	565.						134.00	56.20	1.99		727.
75	7	31	545	324.						64.50		1.18		
75	7	31	1245	510.						105.00	54.00	3.55		728.
75	8	1	1245	535.						111.00	55.90	1.97		740.
75	8	2	1245	400.						60.30	58.10	4.50		766.
75	8	3	1245	510.						81.50	56.00	2.05		771.
75	8	4	1245	400.						82.70	58.00	3.09		776.
75	8	5	1245	670.						70.30	68.10	3.76		817.
75	8	6	1245	745.						67.70	59.00	2.77		823.
75	8	7	645	685.						64.10		4.68		
75	8	7	1300	625.						8.50	64.00	3.57		743.
75	8	7	1900	414.						70.20		2.72		
75	8	8	100	500.						108.00		2.93		
75	8	8	700	343.						54.10		2.39		
75	8	8	1300	372.						57.20	60.00	2.77		753.
75	8	9	1300	396.						76.20	60.00	2.73		785.
75	8	10	1300	352.						117.00	60.00	1.61		789.
75	8	11	1300	360.						69.50	60.00	.65		793.
75	8	12	1300	344.						75.70	59.00	.37		794.
75	8	13	1300	368.						79.20	59.00	.27		793.
75	8	14	700	289.						82.50		.37		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24.0 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	9 11 1530	42.		.220	2.270	.114				88.20	40.00	2.08		484.
75	9 12 1530	79.		.313	1.780	.203				71.20	35.50	2.12		500.
75	9 13 1530	54.		.300	1.500	.254				58.70	43.00	1.96		592.
75	9 14 1530	56.		.195	1.150	.280				61.30	34.00	1.72		546.
75	9 15 1530	46.		.219	1.220	.238				72.70	23.00	1.78		539.
75	9 16 1530	42.		.249	1.330	.124				44.10		1.89		629.
75	9 17 1530	37.		.238	1.230	.119				40.50		1.88		569.
75	9 18 930	46.		.230	1.010	.157				45.50		1.86		
75	9 30 1500	76.	.395		1.910					53.20	27.00	10.50		669.
75	10 1 1500	62.	.288		1.870					41.60	30.00	11.30		685.
75	10 2 1500	54.	.401		1.120	.052				33.20	31.00	12.30		696.
75	10 3 1500	47.	.373		1.070	.089				26.60	33.00	10.10		740.
75	10 4 1500	40.	.400		1.090	.056				43.40	32.00	10.10		748.
75	10 5 1500	36.	.407		1.000	.017				26.30	35.00	9.79		778.
75	10 6 1500	34.	.427		.890	.052				38.50	37.00	11.10		789.
75	10 7 900	31.	.451		.800	.063				35.10	37.00	8.19		784.
75	10 7 1515	29.	.372	.266	.860	.048				27.80	62.00	5.08		764.
75	10 8 1515	26.	.377	.256	.700	.077				44.70	64.00	4.10		765.
75	10 9 1515	49.	.493	.256	.900	.159				37.30	64.00	3.09		749.
75	10 10 1515	40.	.649	.365	.800	.014				37.00	72.00	2.71		783.
75	10 11 1515	48.	.718	.438	.760	.208				36.00	78.00	3.28		766.
75	10 12 915	44.	.352	.209	.520	.102				46.50	63.00	4.19		743.
75	10 13 1515	40.	.506	.241	.480	.027				44.80	58.00	3.01		760.
75	10 14 915	38.	.392	.202	.460	.069				35.70	52.00	3.52		765.
75	10 14 1445	36.	.473	.225	.590	.198				45.70	54.00	5.88		753.
75	10 15 1445	36.	.482	.241	.600	.160				47.00	53.00	6.65		777.
75	10 16 1445	42.	.564	.298	.890	.222				46.50	52.00	7.28		795.
75	10 17 1445	41.	.537	.284	.770	.141				44.70	52.00	7.08		799.
75	10 18 1445	327.	.682	.397	.530	.120				38.70	57.00	6.29		799.
75	10 19 1445	693.	.294	.063	5.330	.085				75.70	40.00	12.10		609.
75	10 20 1445	494.	.208	.050	5.190	.047				39.10	39.00	11.30		584.
75	10 21 845	350.	.183	.069	5.130	.038				36.30	42.00	12.10		617.
75	10 23 1100	170.	.217	.126	3.700	.055				36.00	47.00	8.19		649.
75	10 24 1100	120.	.197	.106	2.980	.003				31.50	46.00	7.60		675.
75	10 25 1100	100.	.207	.111	2.610	.033				37.10	47.00	6.19		698.
75	10 26 1100	83.	.273	.134	2.070	.019				42.20	48.00	7.60		721.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING TIME DATE 2400 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 10 27 1100	75.	.271	.160	1.710					26.50	46.00	5.08		738.
75 10 28 1100	67.	.205	.172	1.360	.024				27.50	48.00	4.01		722.
75 10 28 1500	67.	.210	.139	1.340	.164				57.50	54.00	3.79		725.
75 10 29 1500	63.	.310	.186	1.260	.135				27.30	55.00	2.98		721.
75 10 30 1500	59.	.320	.257	.930	.145				29.50	57.00	2.32		742.
75 10 31 1500	54.	.390	.274	.700	.079				17.10	58.00	2.16		752.
75 11 1 1500	52.	.390	.257	.850	.116				20.30	58.00	2.01		751.
75 11 2 1500	54.	.320		.730	.704				16.50	60.00	2.10		775.
75 11 3 1500	56.	.470	.321	.680	.126				34.10	58.00	1.55		768.
75 11 4 900	56.	.390	.233	.550	.127				40.90	56.00	1.42		774.
75 11 4 1600	56.	.370	.228	.690	.060				38.40	40.00	1.24		769.
75 11 5 1600	63.	1.320	1.110	1.240	.266				32.00	37.00	1.55		775.
75 11 6 1600	61.	.420	.296	.480	.089				47.10	41.00	1.30		797.
75 11 7 1600	62.	.248	.248	.400	.057				54.20	39.00	1.36		810.
75 11 8 1600	41.	.410	.260	.350	.069				41.00	42.00	1.13		818.
75 11 9 1600	38.	.370	.228	.330	.102				56.70	42.00	1.40		808.
75 11 10 1600	56.	.590	.398	.500	.125				77.70	42.00	1.90		779.
75 11 11 1000	53.	.348	.348	.460	.224				42.60	43.00	2.24		778.
75 11 11 1700	61.	.463	.140	.570	.284				67.10	63.00	3.60		777.
75 11 12 1700	85.	.315	.006	.600	.235				13.80	60.00	3.96		745.
75 11 13 1700	71.	.259	.004	.430	.219				14.00	58.00	4.07		759.
75 11 14 1700	62.	.262	.005	.370	.239				5.90	54.00	3.02		814.
75 11 15 1700	58.	.362	.101	.550	.307				11.30	58.00	3.77		796.
75 11 16 1700	46.	.318	.069	.460	.273				7.30	58.00	4.41		797.
75 11 17 1700	44.	.292	.089	.480	.259				6.50	59.00	5.15		801.
75 11 18 1100	40.	.312	.074	.490	.292				7.40	58.00	4.71		789.
75 11 24 1530	50.	.349	.294	.570	.120				28.10	60.00	3.02		763.
75 11 25 1530	39.	.309		.600	.141				5.30	56.00	4.39		761.
75 11 26 1530	35.	.617	.536	.990	.165				22.40	66.00	4.49		739.
75 11 27 1530	41.	.455	.395	.710	.169				6.00	62.00	2.87		768.
75 11 28 1530	38.	.640	.629	.940	.225				5.70	66.00	3.28		774.
75 11 29 1530	38.	.328	.269	.750	.119				25.70	64.00	2.65		779.
75 11 30 1530	41.	.472	.333	1.140	.337				23.20	64.00	2.86		790.
75 12 1 930	45.	.298	.235	.630	.246				10.20	58.00	5.32		776.
75 12 1 1030	45.	.312	.190	.700	.100				12.80	50.00			793.
75 12 2 1030	65.	.282	.200	.700	.030				3.50	46.00			813.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24.0 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	CRG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RTDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 12 3	1030	82.	.276	.190	.400	.010				2.70	40.00			853.
75 12 4	1030	58.	.329	.260	.400	.020				3.20	46.00			852.
75 12 5	1030	54.	.294	.210	.400	.050				6.00	45.00			831.
75 12 6	1030	63.	.812	.680	.900					14.00	50.00			769.
75 12 6	2230	112.	.141	.060	1.100	.250				10.90	45.00			734.
75 12 7	1030	194.	.129	.040	1.900	.020				19.50	44.00			772.
75 12 8	1100	211.	.119	.035	2.000	.060				20.00	43.00			750.
75 12 9	1100	143.	.174	.100	2.100	.090				13.80	41.00			788.
75 12 10	1100	125.	.299	.225	2.300	.135				8.20	46.00			692.
75 12 11	1100	135.	.174	.100	2.250	.080				1.80	45.00			683.
75 12 12	1100	127.	.174	.150	2.200	.070				12.10	44.00			708.
75 12 13	1100	155.	.215	.140	1.850	.090				3.50	42.00			737.
75 12 14	1100	275.	.150	.070	1.900	.030				2.40	45.00			729.
75 12 14	1700	260.	.132	.050	2.250	.040				12.30	44.00			727.
75 12 14	2300	238.	.138	.040	2.500	.040				10.60	43.50			732.
75 12 15	500	245.	.138	.060	2.700	.060				35.20	43.00			722.
75 12 15	1330	521.	.140	.070	2.800	.030				8.70	41.00			693.
75 12 15	1930	1046.	.215	.050	3.800	.060				7.30	40.00			618.
75 12 16	130	1586.	.645	.030	5.300	.030				29.10	35.00			549.
75 12 16	730	1920.	.668	.030	5.200	.040				130.00	33.00			534.
75 12 16	1330	1528.	.492	.030	5.400	.040				730.00	33.00			508.
75 12 16	1930	1148.	.377	.030	6.000	.060				454.00	33.00			490.
75 12 17	130	870.	.293	.040	6.200	.080				384.00	34.00			504.
75 12 17	730	683.	.293	.050	6.200	.090				273.00	34.00			526.
75 12 17	1330	600.	.146	.050	6.200	.090				586.00	35.00			535.
75 12 17	1930	600.	.192	.050	6.200	.100				111.00	35.00			558.
75 12 18	130	440.	.169	.060	6.000	.110				71.40	36.00			574.
75 12 18	730	440.	.155	.070	5.900	.130				53.10	36.00			593.
75 12 18	1330	440.	.150	.070	5.800	.130				34.10	39.00			602.
75 12 19	1330	320.	.276	.030	5.400	.400				77.60	39.00			650.
75 12 20	1330	240.	.290	.060	4.300	.590				47.10	39.00			659.
75 12 21	730	180.	.288	.060	4.300	.570				4.20	44.50			674.
75 12 30	1030	200.	.191	.110	2.000	.215				446.00	30.00			778.
75 12 31	1030	900.	.684	.010	3.400	.040				84.20	32.00			713.
76 1 1	1030	2300.	.181	.020	5.400	.090				28.60	34.00			713.
76 1 2	1030	900.	.174	.030	5.500	.140								539.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	CONO 25C. UMHD
76	1	3	1030	900.										573.
76	1	4	1030	1000.										538.
76	1	5	1030	600.										562.
76	1	6	1030	350.										549.
76	1	16	1545	800.										588.
76	1	17	345	450.										612.
76	1	17	1545	450.										588.
76	1	18	345	280.										609.
76	1	18	1545	280.										607.
76	1	19	345	200.										656.
76	1	19	1426	200.										786.
76	1	19	1545	200.										686.
76	1	20	1426	150.										742.
76	1	23	1426	120.										807.
76	1	24	1426	120.										809.
76	1	25	1426	294.										810.
76	1	25	2026	372.										797.
76	1	26	226	424.										809.
76	1	26	826	7466.										794.
76	1	28	1605	1300.										413.
76	1	28	2205	1177.										403.
76	1	29	405	1040.										418.
76	1	29	1005	941.										444.
76	1	29	1605	842.										453.
76	1	29	2205	693.										465.
76	1	30	405	550.										502.
76	1	30	1005	550.										507.
76	1	30	605	550.										522.
76	1	30	2205	550.										532.
76	1	31	405	350.										546.
76	1	31	1005	350.										568.
76	1	31	1605	350.										584.
76	1	31	2205	350.										595.
76	2	1	405	250.										611.
76	2	1	1005	250.										623.
76	2	1	1605	250.										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	2	1 2205	.133	.060	2.600	.290				3.40	35.00			623.
76	2	2 405	.141	.070	2.600	.270				4.80	34.00			620.
76	2	2 1005	.129	.060	2.500	.300				7.80	33.00			624.
76	2	2 1605	.134	.050	2.600	.280				18.20	35.00			633.
76	2	2 2205	.136	.050	2.600	.330				15.90	35.00			644.
76	2	3 405	.140	.070	2.600	.320				17.20	36.00			665.
76	2	3 1005	.155	.110	2.600	.400				17.10	39.00			706.
76	2	3 1605	.203	.110	2.700	.440				12.80	40.00			717.
76	2	3 2205	.189	.090	2.700	.390				6.10	38.00			689.
76	2	4 405	.175	.090	2.700	.320				7.20	38.00			688.
76	2	4 1000	.219	.110	2.700	.290				24.70	36.00			711.
76	2	4 1005	.186	.100	2.800	.380				7.30	38.00			705.
76	2	4 1030	.175	.110	2.600	.270				4.20	35.00			705.
76	2	4 1100	.157	.090	2.600	.280				12.30	35.00			698.
76	2	4 1130	.127	.070	2.400	.250				10.50	34.00			714.
76	2	4 1200	.144	.090	2.300	.230				7.50	34.00			712.
76	2	4 1400	.149	.080	2.100	.270				8.20	34.00			737.
76	2	4 1600	.182	.110	2.100	.330				8.30	37.00			750.
76	2	4 1800	.177	.110	1.900	.350				4.80	37.00			740.
76	2	4 2000	.171	.110	1.900	.430				5.60	36.00			777.
76	2	4 2200	.170	.110	1.700	.500				5.20	40.00			810.
76	2	10 1000	.207	.100	1.600	.350		1.320		9.70	48.00			795.
76	2	10 1600	.200	.130	1.700	.880				12.00	46.00			786.
76	2	10 2200	.224	.130	1.600	.390				9.50	44.00			780.
76	2	11 400	.216	.130	1.600	.340				8.50	47.00			788.
76	2	11 1000	.211	.130	1.700	.440		1.320		7.50	47.00			789.
76	2	11 1600	.216	.140	1.700	2.000				10.70	48.00			789.
76	2	11 2200	.216	.140	1.700	.430				9.80	46.00			779.
76	2	12 400	.232	.140	1.700	2.000		1.000		8.30	47.00			760.
76	2	12 1000	.229	.170	1.700	.330				7.50	44.00			774.
76	2	12 1600	.246	.150	1.700	.350				7.30	45.00			773.
76	2	12 2200	.238	.150	1.700	2.000				8.00	45.00			771.
76	2	13 400	.241	.140	1.700	2.000				8.40	45.00			782.
76	2	13 1000	.241	.140	1.600	.420		.772		8.40	43.00			776.
76	2	13 1600	.226	.150	1.600	.440				8.50	45.00			772.
76	2	13 2200	.222	.140	1.700	.300				9.40	46.00			781.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPENS SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	2 14 400	1118.	.226	.140	1.600	.690				11.20	47.00			794.
76	2 14 1000	896.	.223	.140	1.600	.400		.762		11.90	48.00			802.
76	2 14 1600	845.	.223	.140	1.600	.410				5.50	47.00			775.
76	2 14 2200	715.	.219	.130	1.500	.340				38.00	47.00			775.
76	2 15 400	641.	.213	.120	1.500	.650				8.40	47.00			763.
76	2 15 1000	562.	.201	.100	1.500	.330		.480		24.90	46.00			760.
76	2 15 1600	579.	.210	.120	1.500	.370				30.10	48.00			747.
76	2 15 2200	749.	.258	.140	1.500	.990				58.10	52.00			763.
76	2 16 400	1078.	.431	.250	1.500	.410		.700		62.20	60.00			778.
76	2 16 1000	1368.	.562	.290	2.100	.170				109.00	68.00			779.
76	2 16 1600	1506.	.568	.250	1.600	.530				161.00	69.00			738.
76	2 16 2200	5790.	.565	.180	2.100	.170				213.00	63.00			665.
76	2 17 400	8816.	.539	.220	1.900	.140		1.050		240.00	52.00			596.
76	2 17 1100	9150.			2.600	.040		3.450		1569.00	19.00			248.
76	2 17 1700	9620.			3.000	.080				1440.00	18.00			242.
76	2 17 2300	7384.			3.200	.100				1080.00	19.00			268.
76	2 18 500	5500.		.010	3.500	.110				736.00	20.00			298.
76	2 18 1100	3513.		.010	4.000	.090		1.390		499.00	22.00			326.
76	2 18 1700	2545.		.020	4.400	.280				396.00	25.00			371.
76	2 18 2300	2600.		.010	4.700	.070				376.00	26.00			392.
76	2 19 500	3120.		.010	4.502	.080				427.00	27.00			393.
76	2 19 1100	3492.		.010	4.700	.060		1.310		447.00	26.00			390.
76	2 19 1700	2416.		.010	4.600	.080				374.00	26.00			388.
76	2 19 2300	1486.		.010	4.600	.040				343.00	26.00			397.
76	2 20 500	1560.		.020	4.600	.090				222.00	27.00			413.
76	2 20 1050	1324.		.040	4.600	.110				70.40	29.00			470.
76	2 20 1100	1324.		.020	4.600	.060		1.190		175.00	28.00			422.
76	2 20 1700	1174.		.030	4.600	.090				128.00	28.00			442.
76	2 20 2300	1455.		.030	4.500	.110				87.50	29.00			464.
76	2 21 1100	968.		.040	4.500	.100		.800		72.50	30.00			485.
76	2 21 1700	2030.		.030	4.300	.120				105.00	32.00			477.
76	2 21 2300	3113.		.030	3.800	.100				581.00	27.00			409.
76	2 22 500	3150.		.020	3.300	.120				622.00	24.00			366.
76	2 22 1100	2642.		.020	3.300	.100		1.420		483.00	23.00			358.
76	2 22 1700	2360.		.030	3.600	.110				334.00	24.00			361.
76	2 22 2300	1478.		.030	3.800	.100				190.00	25.00			381.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24:00 MKS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	2	23	500	1518.	.030	3.800	.100			189.00	25.00			400.
76	2	23	1100	1264.	.030	3.900	.090	1.010		90.90	27.00			423.
76	2	23	1700	1110.	.030	3.900	.100			73.90	28.00			436.
76	2	23	2300	1043.	.030	3.900	.110			97.20	30.00			464.
76	2	24	500	979.	.040	4.000	.110	1.120		54.60	31.00			477.
76	2	24	1100	910.	.090	3.100	.160	1.440		84.20	28.00			476.
76	2	25	1100	743.	.060	4.000	.100	.840		49.90	30.00			511.
76	2	26	1100	582.	.060	3.900	.070	.860		48.10	31.00			533.
76	2	27	1100	486.	.060	3.500	.130	.800		49.30	31.00			554.
76	2	28	1100	404.	.060	3.400	.060	.500		36.60	31.00			580.
76	2	29	1100	363.	.070	3.200	.100	.540		39.70	32.00			608.
76	3	1	1100	327.	.080	3.000	.110	.900		17.70	32.00			611.
76	3	1	1700	319.	.090	2.900	.170	.600		33.10	32.00			624.
76	3	1	1730	319.	.154	.900				24.10	18.00			633.
76	3	2	1130	284.	.197	1.400				25.30	14.00			642.
76	3	2	1730	284.	.160	1.000				24.70	14.00			659.
76	3	2	2330	284.	.222	1.200				60.30	13.00			667.
76	3	3	530	279.	.765	6.000				629.00	11.00			491.
76	3	3	1130	277.	1.110	4.000				991.00	11.00			386.
76	3	3	1730	309.	.943	2.000				918.00	9.00			347.
76	3	3	2330	499.	.689	2.000				664.00	8.00			326.
76	3	4	530	1304.	.599	2.000				533.00	7.00			324.
76	3	4	1130	3032.	.534	2.000				415.00	9.00			331.
76	3	4	1730	4216.	.538	2.000				464.00	8.00			330.
76	3	4	2330	4466.	.506	2.000				434.00	10.00			336.
76	3	5	530	3931.	.485	3.000				370.00	8.00			352.
76	3	5	1130	3450.	.455	3.000				315.00	11.00			373.
76	3	5	1730	3350.	.361	3.000				213.00	7.00			795.
76	3	5	2330	2782.	.300	4.000				154.00	12.00			416.
76	3	6	530	2015.	.265	5.000				123.00	11.00			437.
76	3	6	1130	1486.	.228	4.000				97.80	10.00			457.
76	3	6	1730	1153.	.223	1.000				89.00	6.00			485.
76	3	6	2330	965.	.189	3.000				66.80	11.00			488.
76	3	7	530	438.	.191	4.000				54.00	17.00			497.
76	3	7	1130	743.	.181	5.000				46.60	17.00			509.
76	3	7	1730	677.	.172	6.000				46.00	18.00			515.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING TIME DATE 2400 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 3 7 2330	626.	.164		5.000					46.00	16.00			523.
76 3 8 530	470.	.168		6.000					46.30	17.00			535.
76 3 10 1700	307.	.142		2.600	.090		.100		23.70	36.00		2.20	576.
76 3 11 1700	279.	.144		2.500	.100		1.100		16.80	38.00		1.90	604.
76 3 12 1700	289.	.125		2.200	.050		1.100		19.20	37.00		1.60	623.
76 3 13 1700	284.	.123		2.200	.070		.800		21.10	39.00		1.80	623.
76 3 14 1700	257.	.126	.020	2.000	.090		.700		19.80	37.00		1.60	623.
76 3 15 1700	221.	.138	.030	2.000	.130		.600		31.60	38.00		2.10	639.
76 3 16 1700	199.	.152	.030	1.900	.140		.900		12.00	38.00		1.50	631.
76 3 17 950	183.	.183	.110	3.700	.170				9.30	20.00			646.
76 3 18 950	164.	.113	.070	3.800	.110				3.30	18.00			668.
76 3 19 950	284.	.158	.090	3.600	.110				6.00	17.00			675.
76 3 20 950	332.	.082	.050	3.500	.220				24.50	15.00			652.
76 3 20 1035	332.	.227	.080	2.800	.090				41.20	22.00			511.
76 3 21 950	615.	.093	.050	3.400	.040				26.20	16.00			613.
76 3 21 1550	1067.	.098	.040	3.900	.030				44.60	16.00			589.
76 3 21 2150	1212.	.139	.020	2.900	.060				287.00	17.00			517.
76 3 22 350	962.	.386	.020	2.500	.060				312.00	17.00			481.
76 3 22 950	749.	.513	.030	2.400	.050				300.00	20.00			421.
76 3 22 1550	597.	.412	.030	2.400	.070				207.00	21.00			416.
76 3 22 2150	511.	.358	.030	2.400	.060				103.00	21.00			427.
76 3 23 350	454.	.314	.040	2.500	.080				118.00	22.00			440.
76 3 23 950	417.	.263	.040	2.600	.090				59.80	22.00			453.
76 3 23 1550	389.	.227	.050	2.600	.080				38.70	23.00			476.
76 3 24 350	372.	.250	.070	2.700	.080				31.50	22.00			492.
76 3 24 1600	330.	.216	.050	2.100	.120				94.20	30.00			548.
76 3 25 1600	299.	.173	.040	1.800	.090				55.80	31.00			592.
76 3 26 1600	282.	.166	.040	1.500	.070				49.00	32.00			602.
76 3 27 1600	392.	.164	.040	1.100	.080				55.50	32.00			614.
76 3 28 1600	392.	.155	.020	1.200	.050				53.40	32.00			576.
76 3 29 1600	292.	.128	.030	1.100	.110				30.00	31.00			598.
76 3 30 920	254.	.147	.050	1.200	.200				32.40	30.00			542.
76 3 30 1000	251.	.147	.060	1.100	.050				25.00	32.00			592.
76 3 31 920	227.	.160	.060	1.000	.030				36.90	31.00			575.
76 4 1 920	223.	.165	.050	.080	.010				27.00	29.00			560.
76 4 2 920	277.	.141	.090	.850	.070				9.40	32.00			602.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24:00 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	4	3	920	392.	.092	.040	.950	.030		9.00	33.00			586.
76	4	4	920	337.	.109	.040	.850	.049		33.30	30.00			612.
76	4	5	920	287.	.115	.060	1.150	.070		13.40	31.00			591.
76	4	6	320	260.	.112	.050	1.050	.060		40.70	30.00			583.
76	4	6	930	258.	.089	.060	1.200	.060		7.80	34.00			603.
76	4	7	930	227.	.129	.080	1.000	.060		1.40	33.00			612.
76	4	8	930	211.	.123	.080	.800	.040		13.90	33.00			632.
76	4	9	930	183.	.082	.060	.700	.050		4.30	33.00			646.
76	4	10	930	170.	.078	.060	.700	.040		4.90	34.00			654.
76	4	11	930	170.	.109	.070	.800	.030		13.40	34.00			648.
76	4	12	930	144.	.161	.100	.900	.020		2.00	33.00			659.
76	4	13	330	135.	.158	.100	.900	.030		19.10	34.00			658.
76	4	13	930	135.	.181	.120	.700	.140		14.20	35.00			663.
76	4	14	930	127.	.216	.160	.800	.100		13.60	35.00			668.
76	4	15	930	119.	.219	.150	.600	.100		21.20	35.00			674.
76	4	16	930	114.	.214	.150	.500	.120		3.70	36.00			674.
76	4	17	930	108.	.224	.180	.500	.560		13.50	36.00			683.
76	4	18	930	94.	.213	.140	.400	.100		3.90	35.00			684.
76	4	19	930	99.	.217	.130	.400	.220		6.40	35.00			699.
76	4	20	330	102.	.238	.160	.500	.040		10.20	36.00			692.
76	4	20	930	108.	.223	.150	.600	.080		14.20	35.00			728.
76	4	21	930	102.	.269	.190	.900	.360		26.80	35.00			735.
76	4	22	930	122.	.256	.170	.600	.240		23.80	36.00			745.
76	4	23	930	146.	.268	.190	.700	.260		22.10	37.00			762.
76	4	24	930	131.	.278	.190	.600	.660		30.70	37.00			767.
76	4	25	930	120.	.192	.150	.600	.080		22.90	35.00			771.
76	4	26	930	150.	.225	.180	.500	.180		26.40	37.00			766.
76	4	26	1900	146.	.231	.170	.900	.170		4.80	38.00		.50	727.
76	4	27	330	142.	.294	.230	.800	.040		9.50	37.00		.50	767.
76	4	27	1900	133.	.182	.140	.700	.160		3.70	38.00		.50	759.
76	4	28	1900	142.	.218	.170	.600	.180		6.20	38.00		.50	764.
76	4	29	1900	107.	.240	.170	.500	.260		17.50	38.00		1.10	777.
76	4	30	1900	97.	.268	.180	.500	.130		14.40	37.00		1.50	767.
76	5	1	1900	100.	.276	.160	.400	.130		34.80	37.00		2.36	753.
76	5	2	1900	103.	.336	.190	.600	.040		31.30	37.00		1.92	775.
76	5	3	1300	107.	.286	.140	.600	.020		25.90	36.00		1.71	761.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION U/CODE : AT MILAN, OHIO

USGS NO. 04199800

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	5	4	930	85.	.286	.160	.800	.330		24.70	36.00			757.
76	5	5	930	76.	.284	.160	.800	.360		20.70	36.00			754.
76	5	6	930	71.	.263	.150	.800	.270		20.60	39.00			788.
76	5	7	930	146.	.252	.150	.700	.120		14.70	39.00			786.
76	5	8	930	154.	.501	.300	.800	.300		36.90	41.00			767.
76	5	9	930	127.	.202	.120	1.200	.190		21.80	43.00			739.
76	5	10	930	114.	.191	.100	1.000	.050		16.40	38.00			752.
76	5	11	330	102.	.171	.080	.900	.170		16.60	37.00			766.
76	5	11	920	100.	.269	.110	.900	.400		16.50	42.00			696.
76	5	12	920	91.	.292	.130	.900	1.000		23.80	41.00			719.
76	5	13	920	85.	.308	.140	.800	1.000		22.40	42.00			727.
76	5	14	920	72.	.779	.150	.700	1.000		36.70	43.00			722.
76	5	15	920	81.	.524	.180	.700	1.000		29.50	43.00			718.
76	5	16	920	119.	.334	.180	.600	.140		34.30	44.00			726.
76	5	17	920	100.	.290	.290	.900	.040		56.10	45.00			702.
76	5	18	320	221.	.273	.150	.900	.020		50.70	46.00			695.
76	5	18	915	260.	.283	.170	1.200	.040		49.20	40.00			698.
76	5	19	925	249.	.290	.290	6.000	.020		50.30	38.00			695.
76	5	20	925	164.	.119	.080	5.300	.080		21.10	36.00			740.
76	5	21	925	133.	.154	.090	4.900	.110		22.30	38.00			711.
76	5	22	925	126.	.229	.170	3.800	.090		35.10	40.00			711.
76	5	23	925	110.	.263	.200	2.600	.080		22.10	39.00			702.
76	5	24	925	85.	.196	.130	1.900	.050		12.90	37.00			717.
76	5	25	325	79.	.170	.120	1.500	.030		15.60	39.00			708.
76	5	25	1015	76.		.110	1.500	.120		19.20	39.00			719.
76	5	26	1015	71.		.120	1.600	.100		14.50	41.00			715.
76	5	27	1015	44.		.190	1.300	.210		19.30	42.00			723.
76	5	28	1015	40.		.210	1.000	.180		16.00	43.00			725.
76	5	29	1015	46.		.190	.810	.210		22.10	42.00			734.
76	5	30	1015	44.		.190	.780	.110		25.60	45.00			732.
76	5	31	1015	56.		.220	.700	.360		28.00	46.00			725.
76	6	1	415	61.		.200	.550	.100		28.00	46.00			727.
76	6	1	930	59.	.321	.240	2.100	.140		36.70	45.00			716.
76	6	1	1530	387.	.327	.240	2.640	.130		22.80	44.00			725.
76	6	1	2130	505.	.364	.260	3.090	.040		31.20	42.00			704.
76	6	2	330	502.	.245	.120	10.800	.120		79.70	38.00			655.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM

: HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6	2	930	467.	.360	.360	.060	.060		53.30	39.00			746.
76	6	2	1530	412.	.146	.090	.050	.050		45.30	39.00			767.
76	6	2	2130	358.	.127	.070	.090	.090		35.00	37.00			703.
76	6	3	330	309.	.145	.070	.040	.040		30.60	37.00			683.
76	6	3	930	260.	.151	.080	.040	.040		32.40	38.00			683.
76	6	3	1530	227.	.148	.080	.210	.210		35.60	39.00			694.
76	6	3	2130	198.	.158	.090	.050	.050		43.40	40.00			702.
76	6	4	330	175.	.146	.060	.050	.050		33.90	39.00			712.
76	6	4	930	158.	.145	.060	.060	.060		34.20	40.00			720.
76	6	4	1530	144.	.172	.070	.060	.060		38.00	40.00			725.
76	6	4	2130	124.	.198	.080	.060	.060		47.80	41.00			730.
76	6	5	330	107.	.184	.080	.080	.080		35.50	42.00			736.
76	6	5	930	95.	.193	.080	.070	.070		43.20	43.00			748.
76	6	5	1530	89.	.169	.080	.120	.120		31.10	42.00			754.
76	6	5	2130	81.	.168	.070	.090	.090		28.80	42.00			755.
76	6	6	330	76.	.185	.100	.070	.070		32.20	42.00			753.
76	6	6	930	70.	.195	.080	.060	.060		31.60	42.00			752.
76	6	6	1530	63.	.228	.090	.060	.060		38.00	42.00			753.
76	6	6	2130	61.	.221	.070	.280	.280		36.90	42.00			754.
76	6	7	330	59.	.219	.070	.050	.050		40.90	43.00			757.
76	6	7	930	56.	.214	.070	.040	.040		39.50	42.00			757.
76	6	7	1530	53.	.255	.090	.030	.030		72.90	43.00			761.
76	6	7	2130	49.	.238	.090	.030	.030		22.30	43.00			763.
76	6	8	330	48.	.245	.090	.060	.060		41.70	44.00			755.
76	6	8	904	45.	.266	.170	.070	.070		40.90	44.00			778.
76	6	8	1504	44.	.223	.160	.160	.160		40.10	44.00			784.
76	6	8	2104	40.	.249	.160	.070	.070		41.50	44.00			776.
76	6	9	304	40.	.238	.160	.110	.110		32.80	44.00			783.
76	6	9	904	42.	.244	.130	.090	.090		29.90	45.00			772.
76	6	9	1504	47.	.287	.130	.090	.090		71.90	45.00			777.
76	6	9	2104	45.	.289	.200	.140	.140		30.60	45.00			769.
76	6	10	304	42.	.276	.200	.350	.350		18.10	46.00			756.
76	6	10	904	41.	.332	.250	.150	.150		28.40	46.00			766.
76	6	10	1504	40.	.320	.230	.190	.190		45.50	46.00			776.
76	6	10	2104	37.	.307	.220	.150	.150		35.20	46.00			777.
76	6	11	304	49.	.346	.260	.330	.330		29.50	47.00			776.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MURON RIVER

STREAM : MURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL NIT. MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	6 11	904	.341	.270	4.600	.260				23.20	48.80			779.
76	6 12	904	.328	.240	3.900	.320				34.30	48.00			776.
76	6 13	904	.388	.240	2.600	.320				57.30	49.00			775.
76	6 14	904	.363	.220	1.300	.270				29.10	47.00			769.
76	6 15	904	.394	.200	.900	.080				55.80	46.00			759.
76	6 15	912	.379	.280	1.400	.010				35.00	44.00			689.
76	6 16	912	.430	.280	1.000	.020				55.00	44.00			695.
76	6 17	912	.420	.290	.700	.070				42.00	46.00			701.
76	6 18	912	.437	.290	.400	.260				43.00	53.00			732.
76	6 19	912	.495	.360	.500	.190				45.00	56.00			755.
76	6 20	912	.532	.390	.600	.200				43.00	52.00			759.
76	6 21	912	.639	.470	.700	.310				41.00	58.00			788.
76	6 22	312	.423	.270	.400	.130				54.00	51.00			762.
76	6 22	915	.352	.250	.720	.070				62.00	51.00			784.
76	6 23	915	.390	.200	.600	.010				43.00	47.00			823.
76	6 24	915	.522	.220	.600	.090				42.00	47.00			842.
76	6 25	915	.270	.270	.900	.070				44.00	51.00			786.
76	6 26	915	.360	.360	1.500	.150				50.00	49.00			680.
76	6 27	915	.232	.120	2.600	.050				44.00	46.00			699.
76	6 28	915	.224	.070	2.800	.030				40.00	40.00			736.
76	6 29	920	.260	.160	2.490					51.60	38.00			736.
76	6 30	920	.309	.200	2.730	.020				55.00	41.00			704.
76	7 1	920	.307	.210	2.820	.040				40.90	45.00			699.
76	7 2	920	.426	.310	3.310	.050				47.20	47.80			701.
76	7 3	920	.300	.300	2.950	.080				44.90	44.00			684.
76	7 4	920	.261	.170	2.840	.120				41.50	41.00			692.
76	7 5	920	.221	.130	2.210	.140				43.80	40.00			689.
76	7 6	320	.248	.040	1.880	.090				46.90	41.00			685.
76	7 6	931	.281	.170	2.500	.020				34.30	41.00			703.
76	7 6	1531	.276	.140	2.300	.140				55.50	41.00			707.
76	7 6	2131	.256	.160	2.400	.040				43.30	41.00			707.
76	7 7	330	.308	.170	2.200	.120				62.10	42.00			707.
76	7 7	931	.493	.200	2.500	.030				190.00	42.00			693.
76	7 7	1531	.301	.150	1.800	.310				63.80	42.00			699.
76	7 7	2131	.283	.130	2.100	.030				62.90	42.00			697.
76	7 8	331	.272	.140	1.500	.380				52.50	42.00			693.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM :

: HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	S102 MG/L	IRON MG/L	COND 25C. UMHO
76 7 8 931	33.	.328	.170	1.900	.040				67.30	42.00			696.
76 7 8 1531	35.	.270	.130	1.400	.340				53.80	42.00			697.
76 7 8 2131	37.	.300	.140	1.400	.210				68.60	42.00			707.
76 7 9 331	39.	.317	.140	1.100	.350				65.60	42.00			706.
76 7 9 931	36.	.358	.150	1.300	.230				80.60	42.00			710.
76 7 9 1531	31.	.360	.160	1.100	.290				93.20	42.00			712.
76 7 9 2131	27.	.340	.130	1.000	.200				81.30	42.00			687.
76 7 10 331	37.	.284	.100	.800	.300				55.20	42.00			702.
76 7 10 931	40.	.396	.160	1.100	.250				88.30	43.00			709.
76 7 10 1531	49.	.389	.170	1.000	.330				93.80	44.00			721.
76 7 10 2131	37.	.435	.210	1.100	.230				87.60	44.00			723.
76 7 11 330	34.	.467	.230	1.100	.230				82.70	44.00			733.
76 7 11 931	31.	.537	.340	1.200	.170				80.30	45.00			727.
76 7 11 1531	26.	.496	.250	1.200	.170				80.50	45.00			721.
76 7 11 2131	23.	.472	.200	1.100	.090				95.50	45.00			725.
76 7 12 330	21.	.567	.280	1.000	.080				113.00	46.00			730.
76 7 12 931	19.	.587	.260	1.000	.100				65.20	46.00			731.
76 7 12 1531	18.	.501	.290	1.000	.130				54.60	46.00			717.
76 7 12 2131	17.	.466	.250	.900	.020				67.00	47.00			720.
76 7 13 331	15.	.469	.250	.900	.020				56.90	49.00			731.
76 7 13 1000	14.	.497	.280	1.080	.010				65.80	49.00			728.
76 7 13 2200	13.	.413	.250	.870	.010				36.30	49.00			733.
76 7 14 1000	16.	.407	.220	.800	.020				69.00	49.00			726.
76 7 14 2200	18.	.379	.220	.610	.060				57.00	49.00			728.
76 7 15 1000	20.	.366	.190	.450	.090				54.20	48.00			727.
76 7 15 2200	19.	.397	.210	.300	.180				32.40	47.00			728.
76 7 16 1000	34.	.360	.200	.280	.150				62.80	48.00			726.
76 7 16 2200	45.	.380	.210	.230	.200				55.50	46.00			729.
76 7 17 1000	31.	.439	.230	.120	.260				50.30	46.00			736.
76 7 17 2200	22.	.520	.290	.300	.150				62.40	47.00			747.
76 7 18 1000	19.	.522	.280	.280	.200				65.40	48.00			752.
76 7 18 2200	23.	.389	.340	.390	.200				51.60	51.00			765.
76 7 19 1000	19.	.562	.320	.300	.190				69.40	50.00			763.
76 7 19 2200	16.	.554	.270	.190	.010				45.20	51.00			755.
76 7 20 400	16.	.585	.540	1.200	.040				51.00	51.00			768.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION V/CODE : AT MILAN, OHIO

USGS NO. 84199800

SAMPLING DATE YR MO DY	TIME 24.0 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPENDED SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	7 20 2007	14.	.608	.570	1.200	.030				43.80	52.00			777.
76	7 21 807	13.	.573	.540	1.100	.040				59.20	52.00			784.
76	7 21 2007	115.	.526	.470	.900	.040				66.50	51.00			759.
76	7 22 807	173.	.485	.470	.800	.040				52.50	47.00			731.
76	7 22 2007	102.	.681	.620	1.400	.060				53.10	47.00			758.
76	7 23 807	166.	.597	.520	1.200	.080				63.50	44.00			620.
76	7 23 2007	152.	.266	.220	1.200	.080				69.30	32.00			553.
76	7 24 807	294.	.368	.340	2.400	.110				59.60	36.00			570.
76	7 24 2007	206.	.265	.230	2.300	.070				71.40	32.00			556.
76	7 25 807	144.	.210	.190	1.400	.050				50.20	31.00			726.
76	7 25 2007	99.	.212	.160	1.400	.040				55.80	32.00			675.
76	7 26 807	75.	.258	.190	1.500	.050				59.00	32.00			627.
76	7 26 2007	54.	.281	.200	1.600	.060				68.80	32.00			616.
76	7 27 207	44.	.287	.180	1.500	.020				76.30	33.00			613.
76	7 27 907	37.	.354	.270	1.900	.020				86.90	39.00		4.30	601.
76	7 27 2107	31.	.345	.250	1.800	.020				89.10	40.00		3.20	605.
76	7 28 907	26.	.292	.230	1.700	.010				70.20	40.00		2.20	609.
76	7 28 2107	22.	.332	.240	1.700	.010				89.80	40.00		2.80	608.
76	7 29 907	23.	.298	.240	1.600	.030				66.60	40.00		2.40	609.
76	7 29 2107	26.	.343	.240	1.500	.370				83.30	41.00		2.10	614.
76	7 30 907	26.	.289	.230	1.300	.080				58.60	41.00		1.70	613.
76	7 30 2107	27.	.273	.230	1.000	.360				36.10	42.00		1.10	617.
76	7 31 907	26.	.311	.250	1.000	.230				34.60	44.00		1.00	623.
76	7 31 2107	25.	.345	.260	.800	.380				44.50	46.00		1.00	631.
76	8 1 907	22.	.316	.250	.700	.430				37.10	46.00		1.20	635.
76	8 1 2107	20.	.323	.230	.600	.280				43.00	47.00		.90	635.
76	8 2 907	18.	.364	.240	.300	.300				48.00	51.00		1.00	649.
76	8 2 2107	17.	.383	.210	.100	.620				40.20	52.00		1.10	643.
76	8 3 307	29.	.461	.290	.100	.320				73.60	53.00		.90	656.
76	8 3 1552	26.	.605	.420	.900	.080				104.00	52.00		2.60	643.
76	8 3 2152	26.	.467	.370	.400	.430				60.40	53.00		1.80	652.
76	8 4 352	24.	.422	.350	.700	.130				41.20	53.00		1.30	660.
76	8 4 952	22.	.467	.370	.900	.040				41.30	53.00		1.50	670.
76	8 4 1552	19.	.466	.340	.700	.060				72.30	53.00		2.40	658.
76	8 4 2152	18.	.455	.330	.600	.200				68.40	53.00		2.20	667.
76	8 5 352	16.	.487	.340	1.000	.080				56.90	53.00		1.70	676.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM :

: HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	OPTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	8	5	952	15.	.441	.340	.500	.300		51.60	52.00		1.70	676.
76	8	5	1552	12.	.454	.330	.600	.190		52.30	52.00		2.30	682.
76	8	5	2152	12.	.465	.330	.500	.260		81.90	52.00		2.50	679.
76	8	6	352	13.	.419	.310	.800	.060		71.00	52.00		2.10	679.
76	8	6	952	13.	.391	.290	.800	.110		59.50	52.00		1.80	671.
76	8	6	1552	13.	.399	.300	.700	.060		56.50	53.00		1.70	677.
76	8	6	2152	27.	.417	.300	.700	.120		45.90	51.00		1.90	685.
76	8	7	352	26.	.383	.310	.600	.130		44.00	53.00		1.50	684.
76	8	7	952	83.	.370	.300	.300	.280		44.40	53.00		1.60	680.
76	8	7	1552	175.	.400	.300	.300	.280		62.00	52.00		2.00	685.
76	8	7	2152	392.	.527	.430	.700	.160		64.60	52.00		2.10	734.
76	8	8	352	345.	.683	.520	1.000	.190		61.30	52.00		2.40	669.
76	8	8	952	289.	.306	.230	.800	.190		69.50	45.00		2.90	524.
76	8	8	1552	270.	.260	.180	1.500	.100		72.20	39.00		3.20	474.
76	8	8	2152	254.	.254	.180	1.800	.110		72.70	38.00		3.10	493.
76	8	9	352	211.	.225	.180	2.000	.100		64.10	38.00		2.80	561.
76	8	9	952	171.	.199	.170	2.100	.090		47.60	38.00		2.40	563.
76	8	9	1552	146.	.217	.170	2.100	.060		62.00	36.00		2.80	555.
76	8	9	2152	127.	.207	.170	1.900	.060		49.20	37.00		2.30	574.
76	8	10	352	110.	.199	.160	1.900	.060		49.00	37.00		2.40	602.
76	8	10	952	94.	.187	.160	1.800	.080		37.90	38.00		1.90	617.
76	8	11	100	70.	.230	.180	1.800	.010		67.10	37.00			637.
76	8	11	1300	52.	.263	.230	2.000	.050		54.80	39.00			633.
76	8	12	100	39.	.228	.220	1.900	.030		40.40	40.00			631.
76	8	12	1300	32.	.268	.230	1.900	.030		59.60	40.00			629.
76	8	13	100	28.	.254	.230	1.700	.110		39.10	41.00			636.
76	8	13	1300	70.	.293	.260	1.600	.100		44.60	41.00			637.
76	8	14	100	119.	.286	.260	1.300	.100		47.00	43.00			649.
76	8	14	700	221.	.319	.300	1.000	.100		40.20	47.00			670.
76	8	14	1300	173.	.431	.410	1.000	.100		34.80	51.00			688.
76	8	14	1900	135.	.652	.590	.800	.160		42.70	52.00			648.
76	8	15	100	1086.	.442	.390	.800	.080		41.00	53.00			635.
76	8	15	700	585.	.671	.200	1.500	.250		342.00	32.00			404.
76	8	15	1300	392.	.458	.120	2.000	.100		263.00	31.00			383.
76	8	15	1900	319.	.387	.120	2.600	.080		171.00	34.00			414.
76	8	16	100	247.	.329	.130	3.000	.060		128.00	37.00			451.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION V/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING TIME DATE 24.0 YR MO DY HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 8 16 700	181.	.306	.150	3.300	.080				99.30	38.00			466.
76 8 16 1300	140.	.281	.150	3.400	.180				90.80	39.00			480.
76 8 16 1900	117.	.290	.150	3.300	.090				119.00	39.00			481.
76 8 17 100	102.	.259	.150	3.200	.350				82.50	40.00			498.
76 8 17 700	88.	.248	.170	3.200	.120				59.70	41.00			514.
76 8 17 1300	76.	.263	.170	3.200	.023				61.50	41.00			523.
76 8 18 100	62.	.246	.180	3.090	.023				38.70	43.00			551.
76 8 18 100	62.	.246	.180	3.090	.023				38.70	43.00			551.
76 8 18 1300	49.	.257	.210	2.970	.023				50.80	45.00			578.
76 8 19 100	42.	.273	.230	2.790	.023				50.20	47.00			597.
76 8 19 100	42.	.273	.230	2.790	.023				50.20	47.00			597.
76 8 19 1300	35.	.250	.230	2.550	.056				34.40	49.00			611.
76 8 20 100	32.	.256	.230	2.070	.079				52.40	49.00			633.
76 8 20 1300	28.	.258	.210	1.680	.090				34.40	49.00			645.
76 8 21 100	26.	.271	.210	1.300	.180				29.30	51.00			658.
76 8 21 1300	22.	.294	.210	1.130	.135				35.40	52.00			672.
76 8 22 100	20.	.297	.170	.800	.248				45.20	52.00			664.
76 8 22 1300	20.	.324	.180	.820	.147				73.30	54.00			673.
76 8 23 100	20.	.338	.180	.530	.214				42.30	55.00			686.
76 8 23 1300	19.	.266	.160	.320	.180				40.10	55.00			677.
76 8 24 100	19.	.302	.160	.180	.135				41.80	56.00			683.
76 8 24 700	18.	.262	.140	.130	.135				26.80	56.00			673.
76 8 24 1900	17.	.355	.240	.600	.040				48.80	56.00			691.
76 8 25 700	15.	.327	.260	.600	.040				23.20	57.00			703.
76 8 25 1900	16.	.388	.260	.600	.030				56.30	58.00			713.
76 8 26 700	13.	.416	.310	.600	.050				50.70	58.00			738.
76 8 26 1900	16.	.393	.290	.400	.180				33.70	58.00			745.
76 8 27 700	13.	.374	.290	.500	.170				25.80	57.00			743.
76 8 27 1900	12.	.415	.270	.400	.160				64.70	57.00			739.
76 8 28 700	12.	.421	.290	.500	.170				41.20	56.00			749.
76 8 29 100	407.	.552	.410	1.000	.190				42.10	61.00			772.
76 8 29 700	322.	1.020	.840	1.600	.360				39.50	68.00			723.
76 8 29 1300	217.	.481	.250	.900	.180				92.10	44.00			500.
76 8 29 1900	394.	.374	.140	1.000	.080				150.00	33.00			456.
76 8 30 100	244.	.301	.130	1.000	.070				75.80	34.00			495.
76 8 30 700	192.	.303	.140	1.200	.060				70.50	31.00			487.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24.0 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	8 30	1300	.332	.150	1.300	.080				86.10	30.00			468.
76	8 30	1900	.309	.140	1.400	.090				59.90	31.00			483.
76	8 31	190	.252	.130	1.400	.110				46.10	31.00			533.
76	8 31	700	.231	.120	1.300	.130				36.30	31.00			581.
76	9 1	1300	.251	.236	.890	.041				40.00	40.50		1.66	695.
76	9 2	1300	.300	.259	.780	.076				36.20	44.00		1.50	703.
76	9 3	1300	.300	.254	.630	.055				46.40	48.50		1.60	727.
76	9 4	1300	.352	.252	.680	.027				63.80	50.00		2.00	704.
76	9 5	1300	.324	.248	.640	.041				42.70	52.50		1.30	693.
76	9 6	1300	.315	.249	.620	.028				30.00	54.30		.68	690.
76	9 7	700	.379	.293	.630	.013				29.50	57.90		1.84	688.
76	9 7	1300	.386	.320	1.000	.060				41.60	58.00			698.
76	9 8	1300	.433	.333	.890	.060				63.50	62.00			712.
76	9 9	1300	.417	.310	.700	.160				47.20	63.00			712.
76	9 10	1300	.503	.400	1.180	.140				49.90	60.00			697.
76	9 11	1300	.604	.480	1.290	.130				50.00	60.00			737.
76	9 12	1300	.652	.520	1.130	.090				37.20	62.00			753.
76	9 13	1300	.713	.550	1.010	.090				53.20	67.00			758.
76	9 14	700	.611	.460	.780	.030				55.70	66.00			748.
76	9 14	1900	.619	.469	.950	.046				72.70	65.30			747.
76	9 15	1300	.424	.371	.560	.084				28.00	61.60			736.
76	9 16	1300	.416	.335	.510	.082				41.80	60.50			739.
76	9 17	1300	.438	.312	.590	.134				43.60	53.50			737.
76	9 18	1300	1.010	.793	1.790	.344				51.90	64.00			784.
76	9 19	1300	.519	.390	.920	.203				48.20	57.10			669.
76	9 20	1300	.326	.220	.530	.077				58.60	47.60			747.
76	9 21	700	.282	.203	.500	.072				43.10	45.30			752.
76	9 21	1300	.375	.239	.890	.052				52.70	46.80			728.
76	9 22	1300	.417	.229	.670	.119				54.10	49.20			715.
76	9 23	1300	.330	.223	.650	.068				37.70	51.50			735.
76	9 24	1300	.304	.219	.700	.127				38.40	50.70			729.
76	9 25	1300	.349	.273	.700	.124				23.70	57.90			749.
76	9 26	1300	.393	.310	.900	.144				23.70	61.00			763.
76	9 27	1300	.544	.426	.580	.226				25.30	63.40			759.
76	9 28	700	.411	.337	.700	.255				25.60	54.20			701.
76	9 28	1300	.180	.156	.740	.057				22.90	48.60			701.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 84199800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76	9	29	1300	168.	.205	.191	.170	.062	.062	28.10	44.50			608.
76	9	30	1300	102.	.235	.195	1.970	.064	.064	30.60	44.50			592.
76	10	1	1300	63.	.300	.248	2.540	.069	.069	34.00	48.20			613.
76	10	2	1300	48.	.334	.233	2.590	.208	.208	35.90	48.20			637.
76	10	3	1300	39.	.280	.257	2.330	.095	.095	22.10	51.60			661.
76	10	4	1300	33.	.375	.312	2.000	.123	.123	38.50	53.90			671.
76	10	5	700	31.	.356	.311	1.790	.115	.115	24.40	55.10			694.
76	10	5	1900	26.	.421	.279	1.780	.120	.120	22.50	53.60			691.
76	10	6	1300	26.	.425	.304	1.650	.110	.110	31.80	54.90			699.
76	10	7	1300	28.	.422	.284	1.490	.121	.121	35.20	54.50			703.
76	10	8	1300	26.	.479	.332	1.370	.307	.307	34.80	54.30			725.
76	10	9	1300	33.	.554	.396	1.100	.420	.420	32.70	55.80			741.
76	10	10	1300	59.	.638	.454	.770	.353	.353	32.80	61.90			768.
76	10	11	1300	67.	.530	.472	.630	.234	.234	19.00	60.10			795.
76	10	12	700	62.	.416	.350	.370	.218	.218	22.80	53.90			748.
76	10	12	1900	53.	.286	.250	.460	.039	.039	29.40	55.90			721.
76	10	13	1300	45.	.311	.251	.720	.062	.062	39.10	52.90			716.
76	10	14	1300	36.	.366	.293	.660	.221	.221	41.70	53.10			740.
76	10	15	1300	35.	.411	.309	.540	.095	.095	51.30	55.10			778.
76	10	16	1300	33.	.402	.325	.490	.172	.172	39.40	55.80			788.
76	10	17	1300	31.	.433	.354	.530	.206	.206	30.10	59.20			811.
76	10	18	1300	26.	.449	.379	.600	.239	.239	21.40	61.70		.54	831.
76	10	19	100	27.		.609	.580	.264	.264	27.00	71.20			858.
76	10	19	700	27.	.482	.458	.680	.283	.283	23.40	63.20			846.
76	10	20	100	32.		.591	.600	.274	.274	14.30	71.10		.32	856.
76	10	21	100	53.		.725	.610	.405	.405	14.30	74.00		.33	834.
76	10	22	100	62.		.333	.190	.129	.129	6.50	66.80		.29	780.
76	10	23	100	72.		.313	.300	.136	.136	7.00	66.90		.23	783.
76	10	24	100	59.		.354	.310	.132	.132	7.00	66.90		.22	794.
76	10	25	100	72.		.475	.440	.240	.240	9.90	69.20		.19	823.
76	10	26	1300	146.	.291	.217	.480	.222	.222	13.50	46.30	5.09		795.
76	10	27	1300	108.	.174	.125	.490	.139	.139	8.90	46.60	6.90		792.
76	10	28	1300	79.	.175	.128	.640	.130	.130	8.00	46.10	6.92		801.
76	10	29	1300	63.	.242	.175	.750	.162	.162	7.80	48.90	6.73		808.
76	10	30	1300	57.	.254	.180	.760	.188	.188	8.20	47.40	6.59		816.
76	10	31	1300	79.	.312	.237	.840	.169	.169	9.50	49.70	5.07		813.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STRE/M : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHU PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COO MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 11 1	1300	100.	.518	.457	.890	.185				6.80	52.00	4.42		799.
76 11 2	700	112.	.258	.197	.850	.147				5.10	46.30	4.03		765.
76 11 2	1315	107.	.200	.155	.960	.148				7.60	43.60	5.46		735.
76 11 3	1300	97.	.229	.195	1.070	.230				6.80	46.90	5.20		735.
76 11 4	1300	83.	.247	.203	.930	.141				7.90	45.20	4.25		752.
76 11 5	1300	62.	.265	.227	.800	.181				8.60	45.80	3.19		773.
76 11 6	1300	57.	.335	.271	.820	.207				6.70	49.90	3.46		778.
76 11 7	1300	49.	.274	.208	.760	.178				3.30	47.80	2.87		775.
76 11 8	1300	42.	.290	.232	.650	.186				6.50	48.50	1.89		755.
76 11 11	1300	36.	.430	.343	.740	.465				4.10	47.30	1.83		751.
76 11 11	1300	33.	.524	.434	.820	.568				2.90	48.10	2.41		759.
76 11 12	1300	40.	.524	.432	.800	.657				2.30	50.70	1.95		765.
76 11 12	1300	40.	.567	.449	.690	.555				1.90	55.50	1.80		793.
76 11 13	1300	49.	.610	.497	.670	.548				2.10	55.00	1.68		788.
76 11 14	1300	49.	.415	.331	.470	.324				2.90	52.30	1.60		797.
76 11 15	1300	39.	.456	.363	.510	.299				2.50	52.10	1.57		809.
76 11 16	700	29.	.414	.329	.440	.270				4.60	49.80	1.98		817.
76 11 16	1300	30.	.518	.432	.530	.315				5.20	48.30			802.
76 11 17	1300	28.	.548	.458	.630	.460				4.80	45.30			799.
76 11 18	1300	28.	.559	.464	.690	.677				8.10	47.90			803.
76 11 19	1300	28.	.461	.370	.480	.401				6.00	47.30			778.
76 11 20	1300	29.	.419	.345	.470	.321				5.10	46.70			812.
76 11 21	1300	30.	.534	.463	.520	.285				4.40	47.80			819.
76 11 22	1300	31.	.493	.402	.500	.312				6.00	46.30			813.
76 11 23	700	36.	.445	.458	.540	.322				5.90	45.50	2.06		821.
76 11 23	1300	36.	.591	.483	.470	.316				5.70	52.10	3.32		839.
76 11 24	1300	40.	.617	.496	.540	.443				4.40	51.80	1.83		840.
76 11 25	1300	40.	.802	.679	.600	.748				12.70	54.00	2.11		861.
76 11 26	1300	40.	.497	.392	.640	.648				10.30	51.20	3.80		850.
76 11 27	1300	37.	.467	.393	.390	.387				6.60	50.10	1.67		831.
76 11 28	1300	35.	.362	.281	.360	.413				8.40	54.30	1.93		837.
76 11 29	1300	35.	.890	.303	.390	.308				86.80	48.80	4.10		876.
76 11 30	1900	36.	.504	.343	.550	.410				14.90	51.60	4.61		885.
76 12 1	1300	47.	.506	.309	.610	.413				6.30	53.80	5.21		905.
76 12 2	1300	39.	.629	.369	.640	.532				7.80	51.60	5.23		937.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL MJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
76 12 4 100	37.	.693	.509	.770	.778				8.70	59.20	5.71		1011.
76 12 4 1300	34.	.666	.548	.630	.827				4.20	59.10	5.14		1003.
76 12 5 1300	32.	.942	.542	.570	.623				44.30	56.00	5.30		
76 12 6 1300	31.	.681	.462	.530	.570				4.70	57.40	6.41		1022.
76 12 7 700	30.	.637	.564	.580	.510				5.30	60.10	5.35		1003.
76 12 7 1900	30.	.651	.538	.500	.611				5.80	57.20	3.30		983.
76 12 8 1900	29.	.997	.516	.520	.637				4.80	55.50	4.72		988.
76 12 9 1900	28.	.828	.828	.690	1.130				4.20	61.00	4.29		1002.
76 12 10 1900	28.	.514	.465	.550	.626				4.30	66.70	5.81		1021.
76 12 11 1900	27.	.545	.391	.450	.434				4.00	64.60	4.38		1007.
76 12 12 1900	27.	.582	.417	.440	.480				4.30	60.50	3.91		970.
76 12 13 1900	28.	.498	.455	.470	.493				3.90	54.40	3.42		957.
76 12 14 100	29.	.496	.382	.420	.483				3.60	52.80	3.33		48.
76 12 14 1300	30.	.501	.399	.350	.448		1.100		2.60	55.60	2.89		951.
76 12 15 1300	26.	.718	.718	.410	.450		1.000		.40	54.70	2.89		942.
76 12 16 1300	33.	.665	.558	.570	.892		1.500		2.40	59.20	2.79		978.
76 12 17 1300	30.	.641	.531	.460	.737		1.550		2.10	59.30	2.36		952.
76 12 18 1300	32.	.608	.498	.420	.526		1.220		1.50	58.80	2.24		945.
76 12 19 1300	28.	.626	.504	.420	.646		1.190		2.00	55.60	2.29		933.
76 12 20 1300	41.	.596	.475	.390	.527		1.320		2.60	53.50	1.99		898.
76 12 27 100	31.	.697	.203	1.650	.236		1.350		2.40	63.80	3.45		853.
76 12 27 700	31.	.760	.526	.430	.549		1.060		2.40	54.50	3.82		826.
76 12 27 1900	31.	.747	.596	.480	.798		1.640		4.40	65.20	3.45		969.
76 12 28 1900	30.	.508	.372	.440	.589		1.530		1.40	61.00	3.50		965.
76 12 29 1900	30.	.709	.585	.610	1.190		2.100		.20	67.00	3.40		1045.
76 12 30 1900	30.	.581	.487	.550	.930		1.690		.80	65.30	3.66		1009.
76 12 31 1900	30.	.583	.452	.650	.937		1.810		.70	63.90	3.67		997.
77 1 1 1900	30.	.518	.380	.670	.901		1.560		2.30	64.50	4.06		1012.
77 1 2 1900	29.	.558	.430	.720	.907		1.470		4.20	62.50	4.27		1002.
77 1 3 1300	29.	.541	.429	.760	.907		1.740		2.90	62.70	4.64		1010.
77 1 3 1900	29.	.485	.260	.540	.778				92.60	48.10	3.73		640.
77 1 4 1900	29.	.601	.405	.610	1.110				98.40	53.40	4.04		667.
77 1 5 1900	29.	.650	.475	.800	1.360				85.80	62.50	4.23		800.
77 1 6 1900	28.	.707	.546	.800	1.220		1.000		45.30	64.60	4.74		39.
77 2 3 100	23.	.713	.516	.610	1.910				9.00	53.50	7.11		960.
77 2 3 1300	23.	.709	.555	.650	1.960				1.90	55.90	7.68		981.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C.
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
77	2	4	1300	23.	.708	.567	.640	1.930		3.80	56.80	7.79		972.
77	2	5	1300	23.	.767	.600	.630	1.790		3.60	57.20	7.87		971.
77	2	6	1300	22.	.740	.594	.680	1.880		2.80	56.30	8.01		982.
77	2	7	1300	22.	.764	.594	.720	1.740		4.50	60.80	7.71		998.
77	2	8	1300	22.	.775	.602	.950	1.660		9.90	69.80	10.60		989.
77	2	8	1920	22.	.773	.599	.880	1.710		9.20	71.70	10.60		992.
77	2	9	790	21.	.787	.615	.870	1.640		8.50	71.00	10.70		992.
77	2	10	790	21.	.780	.610	.850	1.770		7.00	66.90	11.00		969.
77	2	11	700	21.	.750	.549	.890	1.820		5.60	70.10	10.80		975.
77	2	12	700	21.	.734	.491	1.000	1.570		7.90	94.60	11.40		1063.
77	2	13	700	20.	.748	.427	1.100	1.680		10.70	132.00	10.40		1279.
77	2	14	1900	20.	.260					12.10		5.70		894.
77	2	15	1900	19.	.245					9.10		5.80		775.
77	2	16	1900	130.	.223					9.50		6.60		786.
77	2	17	1900	325.	.202					7.80		6.75		768.
77	2	18	1900	322.	.223					6.60		6.70		757.
77	2	19	1900	292.	.214					5.90		6.45		761.
77	2	20	1900	243.	.220					5.30		6.30		754.
77	2	21	1300	199.	.226					3.20		7.00		767.
77	2	22	1300	160.	.265	.186	2.950	.496		11.90	63.30	6.66		788.
77	2	22	1900	160.	.318	.230	2.850	.653		8.00	67.80	6.54		791.
77	2	23	100	211.	.352	.260	3.020	.709		4.40	65.90	6.98		796.
77	2	23	700	275.	.372	.254	3.250	.565		6.10	62.50	6.33		789.
77	2	23	1300	515.	.463	.352	2.680	.752		10.40	72.70	6.36		763.
77	2	23	1900	1000.	.368	.164	3.340	.458		59.50	59.70	5.45		642.
77	2	24	100	1537.	.486	.111	3.690	.377		173.00	51.90	5.01		509.
77	2	25	100	4915.	.778	.092	4.120	.279		495.00	47.20	5.01		443.
77	2	25	700	4512.	.614	.087	4.190	.272		357.00	46.70	4.86		406.
77	2	25	1300	4104.	.568	.087	4.070	.294		366.00	45.50	4.64		390.
77	2	25	1900	3082.	.477	.090	4.400	.295		292.00	45.90	4.88		368.
77	2	26	100	1708.	.365	.092	4.610	.304		234.00	47.00	5.00		371.
77	2	26	700	1224.	.353	.091	4.640	.305		232.00	46.30	4.97		379.
77	2	26	1300	1004.	.339	.085	4.700	.300		232.00	45.20	4.97		393.
77	2	26	1900	927.	.343	.087	4.760	.301		213.00	45.90	5.08		415.
77	2	27	100	842.	.248	.100	4.650	.333		136.00	48.60	5.17		444.
77	2	27	700	1014.	.216	.097	4.810	.313		116.00	48.70	5.30		464.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	2 27	1300	.198	.095	4.810	.314		1.390		101.00	48.60	5.35		475.
77	2 27	1900	.199	.097	4.800	.316		1.320		78.90	49.70	5.37		502.
77	2 28	100	.271	.123	4.810	.375		1.510		89.30	55.20	5.66		539.
77	2 28	700	.262	.094	5.060	.309		1.660		138.00	54.70	5.55		526.
77	2 28	1300	.267	.087	5.750	.280		1.440		181.00	53.60	5.60		505.
77	2 28	1900	.249	.088	6.090	.282		1.580		139.00	53.10	5.63		501.
77	3 1	100	.227	.092	5.810	.283		1.300		86.30	51.60	5.59		512.
77	3 1	700	.193	.087	6.310	.287		1.340		76.30	53.30	5.96		525.
77	3 1	1300	.149	.077	6.150	.325		1.380		31.10	152.00	6.66	1.40	576.
77	3 2	1300	.135	.079	5.720	.320		1.210		17.40	53.00	6.96	1.90	621.
77	3 3	1300	.143	.084	5.240	.359		1.020		15.50	53.80	6.91	.90	641.
77	3 4	1300	.245	.142	4.640	.479		1.270		23.20	56.00	6.81	.90	670.
77	3 4	1900	.169	.078	4.620	.267		1.250		99.30	57.80	6.59	2.10	632.
77	3 5	100	.323	.059	5.800	.296		1.880		309.00	55.30	6.27	8.60	568.
77	3 5	700	.333	.050	6.560	.289		1.970		292.00	51.50	6.15	9.90	529.
77	3 5	1300	.270	.051	6.820	.318		1.730		220.00	50.80	6.22	7.40	513.
77	3 5	1900	.205	.052	6.920	.248		1.900		172.00	50.90	6.37	4.80	501.
77	3 6	100	.236	.053	6.980	.246		1.900		103.00	51.40	6.59	5.30	504.
77	3 6	700	.214	.065	7.040	.293		1.700		72.20	51.70	6.43	3.80	523.
77	3 6	1300	.194	.061	6.990	.260		1.400		54.20	52.00	6.63	3.80	536.
77	3 7	1300	.154	.069	6.380	.285		1.300		22.40	52.10	6.63	1.30	589.
77	3 8	700	.162	.082	5.710	.346		1.140		16.70	53.40	6.81	1.00	624.
77	3 8	1300	.169	.083	5.590	.330		1.140		23.30	54.80	7.16		652.
77	3 9	1300	.182	.089	5.140	.277		1.140		44.90	55.10	7.45		667.
77	3 10	1300	.155	.081	4.430	.306		1.140		21.80	53.60	6.98		672.
77	3 11	1300	.194	.102	4.310	.301		1.140		20.50	54.60	6.96		686.
77	3 12	1300	.164	.082	4.190	.293		1.140		34.30	54.30	7.13		700.
77	3 13	1300	.148	.042	5.320	.485		1.140		61.70	61.60	6.86		693.
77	3 14	1300	.155	.057	5.210	.350		1.140		56.10	55.80	7.65		629.
77	3 15	700	.165	.066	5.640	.304		1.140		31.20	56.50	7.46	1.50	627.
77	3 15	1300	.171	.088	5.540	.548		1.140		24.60	56.50		1.80	603.
77	3 16	1300	.181	.075	4.860	.384		1.140		45.70	54.50		1.80	637.
77	3 17	1300	.161	.097	4.470	.317		1.140		15.00	57.20		.70	595.
77	3 18	1300	.553	.085	3.470	.371		1.140		25.70	60.80		9.50	575.
77	3 18	1900	.820	.022	4.650	.217		1.140		772.00	44.00		30.70	451.
77	3 19	100	.689	.025	4.900	.261		1.140		629.00	37.90		27.00	386.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3 19	700	.549	.024	5.670	.297				460.00	37.00		20.70	367.
77	3 19	1300	.501	.024	6.100	.608				411.00	38.90		18.40	401.
77	3 19	1900	.364	.028	6.450	.299				265.00	41.40		12.30	432.
77	3 22	1500	.640	.028	5.380	.267				454.00	41.70		23.00	441.
77	3 23	1900	.281	.038	6.630	.166		.535		117.00	36.00	6.78	8.80	432.
77	3 24	100	.213	.046	6.810	.151		1.470		103.00	36.90	6.24	5.90	435.
77	3 24	700	.183	.047	6.580	.172		2.080		89.30	35.50	7.18	5.10	441.
77	3 24	1300	.163	.041	6.620	.201		2.090		75.30	37.50	7.00	4.20	462.
77	3 24	1900	.154	.038	6.350	.209		1.660		51.60	38.50	6.39	4.00	484.
77	3 25	1900	.119	.046	5.960	.173		.370		31.00	40.30	7.05	2.00	531.
77	3 26	1900	.149	.053	5.490	.160		.723		52.60	42.40	6.89	2.40	565.
77	3 27	1900	.114	.054	4.990	.185		1.010		22.00	43.00	6.95	1.20	608.
77	3 28	100	.125	.054	4.860	.151		.200		25.10	43.90	6.94	1.50	623.
77	3 28	700	.148	.064	4.720	.163		.584		30.80	45.90	6.54	1.80	576.
77	3 28	1300	.185	.056	4.390	.143		.758		74.50	46.50	6.00	4.10	534.
77	3 28	1900	.265	.046	5.040	.134		1.220		131.00	42.20	6.07	7.50	491.
77	3 29	100	.321	.051	5.440	.175		2.350		171.00	38.70	6.71	10.90	462.
77	3 29	700	.301	.053	5.580	.136				162.00	36.10	7.01	10.80	464.
77	3 29	1900	.279	.040	6.090	.053		2.090		146.00	27.80	9.65	8.60	461.
77	3 30	1300	.253	.052	6.140	.063				92.90	31.00	9.89	6.60	497.
77	3 31	1300	.165	.062	5.420	.084				41.70	34.50	9.59	2.70	569.
77	4 1	1300	.130	.068	4.550	.139				13.90	35.40	9.13	1.20	600.
77	4 2	1300	.198	.122	3.820	.148				31.40	40.20	8.54	1.80	636.
77	4 2	1900	.385	.056	3.970	.101				191.00	35.40	5.68	11.80	539.
77	4 3	100	.516	.041	4.060	.071				304.00	27.30	6.10	20.00	467.
77	4 3	700	1.050	.037	3.400	.100				1019.00	19.60	8.30	48.60	373.
77	4 3	1300	.815	.042	3.870	.110				657.00	18.60	6.21	39.60	345.
77	4 3	1900	.647	.046	4.080	.108				353.00	19.30	8.74	27.90	357.
77	4 4	100	.519	.053	4.310	.124				237.00	21.00	8.26	19.40	387.
77	4 4	700	.410	.061	4.490	.110				159.00	22.80	9.10	14.30	411.
77	4 4	1300	.312	.050	4.460	.102				104.00	24.80	9.35	9.90	444.
77	4 4	1900	.243	.052	4.010	.119				50.00	23.10	9.24	7.00	456.
77	4 5	100	.216	.054	4.130	.196				94.20	24.50	9.34	5.70	479.
77	4 5	700	.218	.065	4.250	.160				96.70	26.10	9.63	5.00	506.
77	4 5	1300	.214	.069	4.240	.325				69.20	27.10	8.67	4.80	524.
77	4 5	1900	.179	.056	4.000	.146				43.30	25.80	8.44	4.40	528.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION V/CODE : AT MILAN, OHIO

USGS NO. 04199800

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTH PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
77 4 6 100	809.	.186	.058	3.960	.115				37.70	25.40	8.50	4.40	530.
77 4 6 700	728.	.178	.057	3.900	.114				68.20	24.90	9.07	4.00	531.
77 4 6 1300	626.	.193	.052	3.700	.346				47.10	24.60	8.74	4.80	516.
77 4 6 1900	539.	.191	.055	3.870	.107				37.60	25.50	8.88	4.70	514.
77 4 7 1900	470.	.150	.059	3.570	.123				19.00	24.80	8.73	2.30	554.
77 4 8 1900	370.	.129	.061	3.620	.125				15.10	26.90	8.00	1.60	579.
77 4 9 1900	295.	.123	.062	3.650	.137				17.90	28.90	8.43	1.30	610.
77 4 10 1900	248.	.140	.061	3.590	.133				30.30	28.40	8.49	1.70	623.
77 4 11 1300	213.	.167	.062	3.470	.142				58.40	30.50	7.83	2.50	643.
77 4 12 1300	169.	.211							72.70			2.40	670.
77 4 13 1300	141.	.254							89.70			3.00	671.
77 4 14 1300	125.	.243							78.90			2.90	668.
77 4 15 1300	125.	.208							56.10			2.00	677.
77 4 16 1300	181.	.201							35.10			1.40	686.
77 4 17 1300	95.	.190							27.40			1.00	685.
77 4 18 1300	89.	.180							27.20			1.00	690.
77 4 19 700	87.	.202							32.60			1.30	707.
77 4 19 1300	84.	.242	.142	1.140	.040				31.30	41.20	3.42	1.70	707.
77 4 20 1300	77.	.404	.296	1.110	.059				34.40	42.70	3.62	1.70	718.
77 4 21 1300	94.	.236	.136	.720	.080				31.10	42.50	3.60	1.70	714.
77 4 22 1300	131.	.334	.233	1.080	.177				28.20	45.80	5.42	1.60	676.
77 4 23 1300	410.	.166	.044	4.040	.114				34.20	37.70	7.94	2.40	581.
77 4 24 1300	725.	.167	.071	4.840	.165				24.60	39.10	8.56	1.80	584.
77 4 26 1300	458.	.108	.064	4.720	.047				12.00	39.80	7.24	.90	601.
77 4 27 1300	465.	.079	.049	4.430	.049		1.020		18.20	38.20	6.41	.70	601.
77 4 28 1300	300.	.117	.063	4.010	.082		.900		19.10	38.90	5.52	1.10	603.
77 4 29 1300	320.	.099	.061	3.390	.043		.680		14.20	40.90	4.82	.50	623.
77 4 30 1300	273.	.081	.049	2.570	.066		.810		30.60	39.70	3.35	.50	639.
77 5 1 1300	197.	.102	.062	2.300	.073		.780		28.50	40.00	2.37	.70	623.
77 5 2 1300	207.	.130	.046	2.000	.022		.900		40.20	40.20	2.39	.90	597.
77 5 3 700	305.	.146	.058	1.980	.077		1.090		40.40	43.90	3.79	1.10	627.
77 5 3 1300	315.	.152	.090	2.100	.124				14.20	42.80	1.50	.90	640.
77 5 4 1300	483.	.134	.060	2.500	.112				18.80	38.90	1.39	1.30	633.
77 5 4 1900	1546.	.299	.053	5.940	.100				133.00	35.80	3.79	6.10	545.
77 5 5 10	2265.	.516	.036	7.590	.253				345.00	29.80	5.28	14.20	498.
77 5 5 700	2175.	.477	.027	7.230	.151				302.00	28.90	5.65	14.00	486.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE YR MO DY	TIME 24°0 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	5	5	1300	1568.	.050	.126				177.00	28.00	6.03	9.00	473.
77	5	5	1900	1144.	.055	.110				144.00	31.40	6.58	6.70	504.
77	5	6	100	927.	.058	.090				106.00	31.60	6.77	5.40	513.
77	5	6	700	818.	.058	.115				90.70	32.10	6.84	4.70	527.
77	5	6	1300	719.	.059	.119				64.30	32.10	6.68	3.30	539.
77	5	7	1300	428.	.062	.127				32.90	35.10	6.39	2.10	587.
77	5	8	1300	286.	.063	.139				43.80	36.10	5.29	1.70	622.
77	5	9	1300	217.	.067	.241				43.60	37.80	4.39	1.80	650.
77	5	10	700	181.	.065	.201				22.80	38.20	3.78	1.00	668.
77	5	10	1300	173.	.093	.051				22.80	38.50	5.62	.20	681.
77	5	11	1300	143.	.101	.048				43.40	38.30	4.58	1.10	694.
77	5	12	1300	119.	.105	.072				51.80	39.10	3.33	1.50	703.
77	5	13	1300	107.	.130	.2650				28.80	39.40	3.31	1.90	707.
77	5	14	1300	96.	.100	.081				64.20	39.90	3.18	1.50	712.
77	5	15	1300	76.	.104	.147				60.00	40.30	3.92	1.50	718.
77	5	16	1300	66.	.124	.1510				86.80	40.10	2.58	1.30	717.
77	5	17	700	61.	.172	.1490				64.60	42.70	3.18	1.80	725.
77	5	17	1300	59.	.180	.1900				51.40	44.30	1.61	2.00	701.
77	5	18	1300	54.	.171	.1970				52.10	44.60	1.67	1.70	709.
77	5	19	1300	51.	.171	.1540				55.60	44.50	1.85	1.90	723.
77	5	20	1300	43.	.169	.1400				49.60	46.00	1.87	1.70	729.
77	5	21	1300	37.	.185	.1230				54.20	47.20	2.14	1.70	742.
77	5	22	1300	30.	.173	.1030				51.70	46.70	2.07	1.80	745.
77	5	24	1300	33.	.203	.1060		1.210		32.30	47.70	2.97	1.60	733.
77	5	25	1300	30.	.205	.950				50.60	46.50	2.68	2.30	732.
77	5	26	1300	33.	.376	.116				23.30	48.20	2.04	1.40	744.
77	5	27	1300	29.	.249	.1000				39.30	50.20	1.90	1.70	751.
77	5	28	1300	26.	.259	.730				67.40	50.30	1.64	2.70	753.
77	5	29	1300	25.	.676	.600				39.90	50.20	.78	1.60	762.
77	5	30	1300	24.	.392	.080				35.20	49.30	.83	1.40	763.
77	5	31	1300	25.	.279	.040				31.40	48.80	.55	1.40	766.
77	5	31	700	25.	.207	.050		1.250		52.50	49.70	3.19	1.90	773.
77	5	31	1900	23.	.463	2.690				64.40	47.90	3.04	2.10	776.
77	6	1	1900	27.	.407	2.240				68.30	47.90	3.27	2.80	765.
77	6	2	1900	26.	.396	2.250				46.30	48.70	3.31	1.80	781.
77	6	3	1900	25.	.379	2.110				104.00	49.90	2.77	2.90	793.
77	6	4	1900	22.	.521	1.860								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : MURON RIVER

STREAM : MURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	CONO 25C. UMHO
77 6 5 1900	335.	.530	.442	1.790	1.020				39.30	49.60	3.32	1.50	824.
77 6 6 100	368.	.499	.450	2.750	1.170				78.70	45.30	4.27	3.00	625.
77 6 6 700	521.	.408	.408	6.940	1.100				155.00	47.20	5.15	8.40	576.
77 6 6 1300	536.	.330		8.150	1.580				127.00	46.60	5.80	7.40	622.
77 6 6 1900	465.	.274		7.240	1.190				132.00	49.50	5.06	6.90	598.
77 6 7 100	388.	.298		10.000	1.110				96.90	46.70	6.44	7.50	606.
77 6 7 700	388.	.310		11.000	.378		1.640		113.00	46.30	6.49	7.90	629.
77 6 7 1300	248.	.257		13.100	.571		4.640		82.20	46.40	7.43	6.40	664.
77 6 8 1300	183.	.238		11.200	.616				79.90	49.00	7.60	4.20	701.
77 6 9 1300	265.	.218		8.938	1.310				67.20	53.10	6.34	2.90	729.
77 6 10 1300	185.	.197		7.230	1.220				78.50	56.00	5.89	3.60	675.
77 6 11 1300	99.	.235		6.560	1.300				76.60	56.70	5.89	3.30	717.
77 6 12 1300	74.	.221		6.790	1.070				69.30	55.00	5.98	2.70	730.
77 6 13 1300	59.	.290		6.420	1.280				56.10	56.50	5.08	2.60	748.
77 6 14 700	58.	.279		6.410	1.260		1.320		61.00	56.40	5.70	2.90	747.
77 6 14 1300	47.	.367	.188	7.020	.011		1.720		127.00	49.80	5.17	4.20	727.
77 6 15 1300	38.	.382	.288	6.470	.010				100.00	49.40	4.96	3.70	731.
77 6 16 1300	38.	.339	.201	5.300	.012				67.30	48.80	3.75	2.70	732.
77 6 17 1300	27.	.369	.210	4.590	.032				70.40	49.80	2.94	2.70	736.
77 6 18 1300	298.	.388	.125	9.160	.019				130.00	40.70	5.96	7.60	538.
77 6 19 1300	125.	.356	.127	7.480	.056				127.00	43.90	5.29	5.90	598.
77 6 21 700	65.	.333	.151	7.700	.173		1.790		70.60	44.20	5.70	3.40	625.
77 6 21 1300	37.	.349	.185	10.100	.010				94.50	41.10	7.06	3.70	625.
77 6 22 1300	27.	.411	.176	7.760	.017				94.60	43.10	5.99	5.20	662.
77 6 23 1300	22.	.456	.227	6.270	.111				81.70	47.20	4.57	4.00	691.
77 6 24 1300	20.	.473	.252	4.430	.289				61.50	49.50	2.51	2.30	712.
77 6 25 1300	121.	.986	.701	1.870	.054				72.30	52.70	3.22	3.70	693.
77 6 26 1300	52.	.367	.136	3.630	.054				81.10	43.40	4.93	3.70	627.
77 6 27 1300	56.	.350	.111	4.110	.096				54.40	45.10	5.31	3.20	688.
77 6 28 1300	33.	.364	.180	3.570	.096				129.00	44.10	6.02	3.10	698.
77 6 28 1900	95.	.299	.277	2.470	.618				90.90	44.30	4.74	2.70	738.
77 6 29 100	165.	.384	.258	2.140	.163				114.00	43.90	4.59	3.80	760.
77 6 29 700	635.	.717	.416	2.470	.051				184.00	41.50	5.59	6.20	595.
77 6 29 1300	930.	1.010	.094	4.710	.056				735.00	27.10	5.29	35.20	417.
77 6 29 1900	686.	.890	.064	7.140	.070				836.00	24.30	6.70	34.00	489.
77 6 30 100	488.	.665	.064	9.600	.028				628.00	24.20	6.17	24.10	419.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 00199000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	6 30	700	.629	.058	11.700	.048				563.00	26.20	6.78	22.10	458.
77	6 30	1300	.505	.073	11.500	.039				394.00	26.80	6.65	10.10	466.
77	6 30	1900	.557	.063	10.400	.037				455.00	28.70	6.97	20.00	492.
77	7 1	100	1.270	.028	8.900	.067				863.00	19.50	5.82	55.00	359.
77	7 1	700	.879	.037	10.400	.063				1371.00	20.40	6.09	36.10	363.
77	7 1	1300	.586	.045	12.100	.067				535.00	24.30	6.93	21.00	433.
77	7 1	1900	.528	.030	12.600	.101				452.00	27.60	7.69	18.40	474.
77	7 2	100	.410	.054	12.500	.090				309.00	29.30	7.97	13.10	498.
77	7 2	700	.333	.051	12.300	.091				223.00	30.40	8.19	9.90	505.
77	7 2	1300	.305	.059	12.100	.087				172.00	31.60	8.36	8.70	525.
77	7 2	1900	.283	.081	11.700	.103				142.00	32.90	8.53	7.30	541.
77	7 3	100	.276	.069	11.300	.088				261.00	33.30	8.38	7.00	552.
77	7 3	700	.220	.098	10.800	.152				144.00	34.70	8.84	5.10	562.
77	7 3	1300	.228	.087	10.400	.124				152.00	34.70	8.64	5.00	569.
77	7 3	1900	.228	.069	10.200	.103				133.00	35.20	8.97	5.10	579.
77	7 4	100	.266	.102	9.510	.130				128.00	35.90	8.77	5.30	588.
77	7 4	100	1.070	.038	4.910	.042		4.910		1258.00	14.10	4.81	42.00	253.
77	7 5	1300	.851	.042	5.550	.078		2.070		848.00	14.50	5.66	35.30	259.
77	7 5	1900	.650	.049	6.560	.055		2.240		564.00	17.40	5.99	25.40	301.
77	7 6	100	.454	.058	7.320	.041		2.000		376.00	21.40	7.21	16.40	362.
77	7 6	700	.342	.063	7.790	.056		1.640		249.00	25.10	8.20	11.40	406.
77	7 6	1300	.298	.062	7.530	.048		1.320		224.00	26.60	8.05	9.50	438.
77	7 6	1900	.264	.066	7.510	.041		1.260		146.00	28.00	8.47	7.70	451.
77	7 7	100	.286	.070	7.330	.052		1.320		192.00	29.40	9.65	7.90	472.
77	7 7	1300	.220	.070	7.090	.050		.800		91.30	30.30	8.83	5.40	485.
77	7 7	1900	.192	.068	6.840	.058		.790		121.00	31.20	9.09	4.60	499.
77	7 8	100	.197	.080	6.520	.046		.920		90.50	33.20	9.58	4.00	516.
77	7 8	100	.439	.078	5.170	.061		1.610		334.00	29.70	8.30	13.30	452.
77	7 8	1300	.455	.061	5.950	.052		1.590		379.00	28.40	8.89	15.70	448.
77	7 8	1900	.534	.055	5.030	.053		.620		486.00	25.50	7.79	19.90	429.
77	7 9	100	.446	.059	4.720	.053		1.610		349.00	25.90	8.01	15.90	452.
77	7 9	700	.568	.064	4.680	.052		2.270		526.00	24.70	8.01	19.80	444.
77	7 9	1300	.507	.066	4.580	.048		1.620		432.00	25.40	8.40	16.80	419.
77	7 9	1900	.326	.066	4.500	.062		1.270		141.00	27.50	8.11	9.90	439.
77	7 10	100	.264	.077	4.740	.063		1.110		121.00	29.30	8.59	6.80	478.
77	7 10	700	.253	.076	4.730	.050		1.150		122.00	31.30	9.19	6.30	500.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : HURON RIVER

STREAM : HURON RIVER

LOCATION W/CODE : AT MILAN, OHIO

USGS NO. 04199000

SAMPLING DATE	TIME	2400	FLOW CFS	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJEL0 MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
77 7 10	1300		270.	.289	.083	4.630	.058		1.380		155.00	31.90	8.98	7.30	515.
77 7 10	1900		240.	.299	.079	4.490	.052		.560		202.00	32.20	9.15	7.80	528.
77 7 11	100		219.	.228	.079	4.370	.061		.890		102.00	32.70	9.08	5.30	529.
77 7 11	700		203.	.225	.078	4.350	.044		.900		98.00	33.40	9.62	4.90	534.
77 7 11	1300		191.	.243	.077	4.190	.046		1.160		128.00	34.20	9.21	5.40	547.
77 7 11	1900		235.	.240	.072	4.250	.043		1.000		102.00	35.10	9.74	5.30	555.
77 7 12	100		1046.	.602	.179	3.720	.105		1.800		327.00	38.80	8.44	12.50	547.
77 7 12	700		916.	.881	.063	2.280	.046		2.720		754.00	22.70	6.70	28.70	361.

**VERMILION RIVER
NEAR
VERMILION, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : VERMILION RIVER

STREAM : VERMILION RIVER

LOCATION W/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	2 22	2400	463.0	343.0	10.0	10.0		
75	2 23	100						.10
75	2 23	200	633.0	323.0	10.0	9.0		
75	2 23	300						.10
75	2 23	400	972.0	275.0	14.0	10.0		
75	2 23	500						.20
75	2 23	600	905.0	243.0	11.0	9.0		
75	2 23	700						.20
75	2 23	800	818.0	256.0	11.0	8.0		
75	2 23	900						.10
75	2 23	1000	841.0	237.0	14.0	9.0		
75	2 23	1100						.20
75	2 23	1200	993.0	222.0	10.0	8.0		
75	2 23	1300						.10
75	2 23	1400	1090.0	239.0	10.0	9.0		
75	2 23	1500						.10
75	2 23	1600	1211.0	259.0	10.0	8.0		
75	2 23	1700						.10
75	2 23	1800	1210.0	226.0	18.0	9.0		
75	2 23	1900						.10
75	2 23	2000	1032.0	181.0	12.0	10.0		
75	2 23	2100						.10
75	2 23	2200	762.0	140.0	10.0	9.0		
75	2 23	2300						.10
75	2 23	2400						.10
75	2 24	100						.10
75	2 24	200						.10
75	2 24	300						.10
75	2 24	400						.10
75	2 24	500						.10
75	2 24	600						.10
75	2 24	700						.10
75	2 24	800						.10
75	2 24	900						.10
75	2 24	1000						.10
75	2 24	1100						.10
75	2 24	1200						.10
75	2 24	1300						.10
75	2 24	1400						.10
75	2 24	1500						.10
75	2 24	1600						.10
75	2 24	1700						.10
75	2 24	1800						.10
75	2 24	1900						.10
75	2 24	2000						.10
75	2 24	2100						.10
75	2 24	2200						.10
75	2 24	2300						.10
75	2 24	2400						.10
75	2 25	300						.10
75	2 25	300						.10

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : VERMILION RIVER

STREAM : VERMILION RIVER

LOCATION W/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

SAMPLING DATE	TIME	FLOW	TOTAL SOLIDS	TOT DIS	TOTAL	DIS.	TOTAL	SOL	
YR	MO	DAY	MG/L	SOLIDS	MG/L	MG/L	MG/L	PHOS	
				MG/L				MG/L	
75	2	25	603	5200.	646.0	155.0	10.0	9.0	.10
75	2	25	903	4775.					
75	2	25	1200	4150.	554.0	163.0	15.0	9.0	.10
75	2	25	1500	3520.					
75	2	25	1800	2820.	440.0	191.0	10.0	8.0	.10
75	2	25	2100	2215.					
75	2	25	2400	1792.					
75	2	26	300	1492.					
75	2	26	600	1277.	393.0	204.0	9.0	9.0	.10
75	2	26	900	1112.					
75	2	26	1200	1000.					
75	2	26	1500	900.	360.0	219.0	10.0	8.0	.10
75	2	26	1800	836.					
75	2	26	2100	773.					
75	2	26	2400	719.	342.0	234.0	10.0	10.0	.10
75	2	27	300	678.					
75	2	27	600	630.					
75	2	28	1400	371.	287.0	238.0	10.0	10.0	.10
75	5	21	1800	58.	733.0				
75	5	21	1900	61.	474.0	396.0	17.0	15.0	40.0
75	5	21	2100	81.					
75	5	21	2200	92.					
75	5	21	2400	99.	451.0	385.0	15.0	15.0	38.0
75	5	22	100	107.					
75	5	22	300	168.	558.0	418.0	11.0	11.0	35.0
75	5	22	400	199.					
75	5	22	600	195.	566.0	390.0	34.0	32.0	44.0
75	5	22	700	195.					
75	5	22	900	183.	537.0	393.0	38.0	34.0	38.0
75	5	22	1000	177.					
75	5	22	1200	165.	626.0	388.0	37.0	36.0	35.0
75	5	22	1300	160.					
75	5	22	1500	155.	679.0	343.0	35.0	35.0	33.0
75	5	22	1600	155.					
75	5	22	1800	166.	573.0	349.0	35.0	32.0	33.0
75	5	22	1900	209.					
75	5	22	1900				35.0	35.0	

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : VERMILION RIVER

STREAM : VERMILION RIVER

LOCATION W/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75 5 22 2100	220.	605.0	361.0	14.0	14.0	35.0	
75 5 22 2300	302.						
75 5 23 300	266.	853.0	297.0	15.0	13.0	33.0	
75 5 23 500	238.						
75 5 23 900	199.	725.0	301.0	14.0	13.0	31.0	
75 5 23 1100	186.						
75 5 23 1500	168.	506.0	338.0	15.0	14.0	34.0	
75 5 23 1700	153.						
75 5 23 2100	136.	494.0	326.0	13.0	13.0	35.0	
75 5 23 2300	129.						
75 5 24 300	118.	419.0	335.0	15.0	14.0	35.0	
75 5 24 500	114.						
75 5 24 900	107.	399.0	327.0	13.0	12.0	36.0	
75 5 24 1100	103.						
75 5 24 1500	95.	399.0	345.0	14.0	14.0	35.0	
75 5 24 1700	92.						
75 5 24 2100	86.	428.0	376.0	14.0	13.0	36.0	
75 5 24 2300	85.						
75 5 25 300	79.	431.0	385.0	14.0	13.0	35.0	
75 5 25 500	78.						
75 5 27 1000	719.	1025.0	265.0	15.0	14.0	29.0	
75 5 27 1700	508.			9.0	9.0		

MAJOR RIVER BASIN : VERMILION RIVER

STREAM : VERMILION RIVER

LOCATION W/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

SAMPLING TIME			FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND. 25C. UMHO
DATE	HR	MO													
75	2	22	2400	340.							120.00				
75	2	23	100	426.			.200	.600		41.00					
75	2	23	200	536.	.210	.010	2.550								
75	2	23	300	678.				1.000		46.00	310.00				
75	2	23	400	872.											
75	2	23	500	1070.	.260	.020	1.810								
75	2	23	600	1255.				.100		69.00	697.00				
75	2	23	700	1456.											
75	2	23	800	1660.	.250	.040	2.000								
75	2	23	900	1840.				1.100		57.00	652.00				
75	2	23	1000	2020.											
75	2	23	1100	2215.	.300	.050	2.090								
75	2	23	1200	2380.				1.200		63.00	562.00				
75	2	23	1300	2500.											
75	2	23	1400	2660.	.300	.030	2.020								
75	2	23	1500	2820.				1.500		67.00	604.00				
75	2	23	1600	2980.											
75	2	23	1700	3120.	.310	.040	1.910								
75	2	23	1800	3240.				1.400		71.00	771.00				
75	2	23	1900	3400.											
75	2	23	2000	3540.	.370	.040	2.060								
75	2	23	2100	3660.				1.600		79.00	851.00				
75	2	23	2200	4250.											
75	2	23	2300	4700.	.270	.020	2.140								
75	2	23	2400	5200.				1.200		94.00	952.00				
75	2	24	100	5400.											
75	2	24	200	5725.	.330	.040	1.890								
75	2	24	300	5950.				1.000		66.00	982.00				
75	2	24	600	6750.											
75	2	24	900	5575.	.380	.030									
75	2	24	1200	5975.				1.300		74.00	851.00				
75	2	24	1500	5450.											
75	2	24	1800	5575.	.400	.030	1.820								
75	2	24	2100	5350.				1.000		69.00	582.00				
75	2	24	2400	5250.											
75	2	25	300	5310.	.400	.030	1.690								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : VERMILION RIVER

STREAM : VERMILION RIVER

LOCATION W/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C UMHO
75	2 25	600	5200.							491.00				
75	2 25	900	4775.			.100	1.100		61.00					
75	2 25	1200	4150.	.040	1.590					391.00				
75	2 25	1500	3520.			.100	1.000		40.00					
75	2 25	1800	2820.	.030	1.530					249.00				
75	2 25	2100	2215.			.100	.900		45.00					
75	2 25	2400	1792.	.020	1.810					189.00				
75	2 26	600	1277.			.100	.800		36.00					
75	2 26	900	1112.	.020	1.640		.600		34.00					
75	2 26	1200	1080.			.100	.600			108.00				
75	2 26	1500	980.	.020	1.780									
75	2 26	1800	836.	.010		.100	.600							
75	2 26	2100	773.			.100	.600							
75	2 26	2400	678.			.100	.600							
75	2 27	300	630.			.100	.600							
75	2 27	600	508.			.100	.600							
75	2 27	1700	508.	.020		.100	.600							
75	2 28	1400	371.		1.460	.100	.400			57.00				
75	2 28	1400	371.		.390	.100	.800	.900	60.00	310.00	39.00			528.
75	5 21	1800	58.			.100	.800							
75	5 21	1900	61.	.020	.320		.800	.900	68.00	78.00	32.00			525.
75	5 21	2000	71.			.100	.800							
75	5 21	2100	81.			.100	.800							
75	5 21	2200	92.	.020	.720		.800	.900	51.00	66.00	36.00			525.
75	5 21	2300	96.			.100	.800							
75	5 21	2400	99.			.100	.800							
75	5 22	100	107.	.020	.920		1.100	1.200	72.00	140.00	40.00			525.
75	5 22	200	116.			.100	1.100							
75	5 22	300	168.			.100	1.100							
75	5 22	400	199.	.030	.920		1.400	1.500	66.00	176.00	46.00			528.
75	5 22	500	199.			.100	1.400							
75	5 22	600	195.			.100	1.400							
75	5 22	700	195.	.030	1.390					144.00	35.00			528.
75	5 22	800	189.											
75	5 22	900	183.											

MAJOK RIVER BASIN : VERMILION RIVER

STREEM : VERMILION RIVER

LOCATION W/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

[illegible]

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : VERMILION RIVER

STREAM : VERMILION RIVER

LOCATION W/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	5 24	2300	85.											
75	5 25	100	81.											
75	5 25	300	79.											
75	5 25	500	78.											
75	5 27	1000	719.	.050	3.083	.100	.700	.800	25.00	46.00	32.00			461.
77	3 11	1600	200.	.030	4.200	.167				760.00	26.00			303.
77	3 18	1445	1275.	.007	2.710	.003				11.00	30.40	6.52		547.
77	3 18	1445	1275.	.035	2.720	.003				490.00	32.30	5.15		410.
77	3 18	1815	1936.	.036	2.840	.003				520.00	30.80	5.84		378.
77	3 19	1050	3694.	.016	4.060	.007				287.00	21.30	5.11		296.
77	3 19	1600	3299.	.292	3.630	.007				19.00	20.70	5.29		295.
77	3 20	1220	1467.	.012	3.790	.006				43.00	20.10	6.06		354.
77	3 20	2250	1264.	.020	4.600	.008				26.00	25.50	5.71		384.
77	3 21	20	1253.	.010	4.500	.006				36.00	30.50	6.42		384.
77	3 21	45	1230.	.012	4.400	.007				32.00	32.30	6.36		384.
77	3 21	1450	922.	.012	4.340	.007				81.00	22.30	6.51		402.
77	3 21	2230	779.	.016	4.040	.006				20.00	48.40	6.55		450.
77	3 22	235	705.	.020	4.240	.007				46.00	26.70	6.60		422.
77	3 22	345	689.	.014	4.230	.006				53.00	39.00	6.49		435.
77	3 22	1045	1622.	.021	3.620	.009				391.00	25.50	5.80		386.
77	3 23	1125	1716.	.017	4.720	.007				227.00	18.10	5.52		321.
77	3 23	1235	1806.	.014	3.793	.009				21.00	17.10	5.46		313.
77	3 24	1210	1264.	.035	3.900	.005				88.00	19.10	5.95		344.
77	3 24	1340	1208.	.015	4.200	.003				87.00	18.70	6.00		350.
77	3 25	1040	673.	.015	3.450	.003				56.00	20.40	6.28		389.
77	3 26	1200	435.	.014	3.030	.041				30.00	21.30	6.27		432.
77	3 26	1305	428.	.007	3.370	.003				29.00	20.40	6.30		435.
77	4 2	1023	392.	.017	1.830	.003				117.00	28.10	5.62		471.
77	4 2	1810	903.	.060	1.860	.031				292.00	18.20	5.05		378.
77	4 3	1035	3593.	.040	2.170	.035				507.00	13.40	5.58		295.
77	4 3	1550	3715.	.030	2.210	.047				519.00	12.60	5.76		280.
77	4 3	2115	3434.	.031	2.210	.003				351.00	12.80	5.96		272.
77	4 4	1110	2127.	.028	2.090	.003				248.00	12.70	6.07		286.
77	4 4	2300	1029.	.037	2.000	.003				152.00	19.60	6.29		323.
77	4 5	1135	903.	.000	2.070	.010				68.00	15.80	6.47		366.
77	4 5	1410	922.	.030	2.100	.003				910.00	17.60	6.50		399.
77	4 6	1255	745.	.083	2.130	.003				74.00	21.80	6.36		390.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : VERMILION RIVER

STREAM : VERMILION RIVER

LOCATION V/CODE : NEAR VERMILION, OHIO

USGS NO. 04199500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	6	1410	729.	.136	.039	2.070	.003		79.00	22.30	6.26		373.
77	4	6	1525	785.	.224	.067	2.090	.015		77.00	22.20	6.25		391.
77	4	7	1110	480.	.085	.023	2.010	.003		47.00	23.50	6.26		417.
77	4	7	1210	480.	.110	.030	2.060	.022		6.00	23.10	6.34		418.
77	4	7	1310	480.	.100	.023	2.030	.025		44.00	24.60	6.34		416.
77	4	7	1410	480.	.066	.013	2.050	.012		57.00	25.60	6.35		418.
77	4	7	1505	480.	.108	.030	2.060	.008		30.00	19.80	6.35		420.
77	4	7	1605	480.	.100	.034	2.060	.003		33.00	18.60	6.43		416.
77	4	7	1700	480.	.104	.023	2.030	.003		36.00	19.20	6.42		421.
77	4	7	1750	480.	.160	.052	2.070	.003		41.00	20.40	6.32		423.
77	5	17	1508	48.	.075	.001	.060	.006		3.00	34.80	.55		594.
77	5	23	2238	30.	.013	.013	.150	.003		8.00	31.50	1.33		594.
77	7	1	1200	2797.	.750	.094	10.200	.150		1055.00	18.30	5.80		298.
77	7	1	1305	2846.	.121	.121	10.100	.590		1088.00	16.50	5.72		276.
77	7	1	1405	2880.	1.110	.124	9.400	.270		1732.00	21.30	5.55		272.
77	7	1	1510	2913.	1.140	.048	8.700	.110		1181.00	15.40	5.45		262.
77	7	1	1610	2913.	.860	.054	9.000	.120		980.00	14.90	5.68		249.
77	7	1	1720	2913.	1.160	.072	7.800	.112		929.00	15.60	4.95		216.
77	7	1	1820	2830.	.964	.070	8.500	.110		934.00	17.20	5.40		251.
77	7	1	1930	2731.	.976	.067	8.200	.010		845.00	14.20	5.55		259.
77	7	1	2035	2604.	.788	.044	9.000	.070		758.00	14.80	5.90		254.
77	7	1	2120	2511.	.448	.122	9.300	.040		752.00	13.30	6.35		332.
77	7	2	1055	989.	.478	.080	10.000	.208		393.00	17.70	6.95		322.
77	7	2	1225	912.	.440	.250	10.100	.135		377.00	19.30	6.80		329.
77	7	2	1350	848.	.440	.096	10.200	.180		311.00	19.10	7.08		338.
77	7	2	1510	796.	.430	.080	10.400	.108		334.00	19.40	7.35		338.
77	7	2	1645	737.	.564	.075	9.800	.164		315.00	19.70	7.05		345.
77	7	2	1750	689.	.424	.088	10.400	.160		308.00	23.70	7.80		339.
77	7	3	800	392.	.340	.118	10.200	.300		208.00	20.90	7.65		369.
77	7	3	915	374.	.284	.088	9.100	.120		200.00	20.80	7.70		368.
77	7	3	1055	352.	.254	.028	10.200	.100		180.00	20.70	7.50		370.
77	7	3	1215	336.	.260	.084	9.800	.120		176.00	20.90	8.00		379.

**BLACK RIVER
AT
ELYRIA, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : AT ELYRIA, OHIO

USGS NO. 04200500

SAMPLING DATE	TIME	FLOW	TOTAL SOLIDS	TOT DIS	TOTAL ORG C	DIS. ORG C	TOTAL C	SOL PHOS
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
75	2	22	1100	585.	436.0	413.0	10.0	10.0
75	2	22	1200	679.				.15
75	2	23	100	695.				
75	2	23	200	738.	465.0	459.0	10.0	8.0
75	2	23	300	888.				
75	2	23	400	968.	580.0	411.0	9.0	9.0
75	2	23	500	1260.				
75	2	23	600	1660.				
75	2	23	700	1949.	546.0	385.0	9.0	9.0
75	2	23	800	2308.				
75	2	23	900	2620.				
75	2	23	1000	2830.	664.0	351.0	10.0	10.0
75	2	23	1100	3110.				
75	2	23	1200	3320.				
75	2	23	1300	3460.	704.0	283.0	12.0	10.0
75	2	23	1400	3610.				
75	2	23	1500	3770.	734.0	278.0	13.0	10.0
75	2	23	1600	4014.				
75	2	23	1700	4090.	740.0	284.0	10.0	9.0
75	2	23	1800	4250.				
75	2	23	1900	4520.				
75	2	23	2000	4790.	818.0	317.0	12.0	9.0
75	2	23	2100	4880.				
75	2	23	2200	5240.	794.0	262.0	13.0	12.0
75	2	24	100	5420.				
75	2	24	200	5600.				
75	2	24	300	6300.				
75	2	24	400	6800.	729.0	198.0	13.0	10.0
75	2	24	500	6996.				
75	2	24	600	7060.				
75	2	24	700	7140.				
75	2	24	800	7140.	637.0	169.0	11.0	10.0
75	2	24	900	7120.				
75	2	25	100	7370.				
75	2	25	200	7000.	563.0	206.0		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : AT ELYRIA, OHIO

USGS NO. 04200500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	2 25	800	6900.		13.0	10.0		.13
75	2 25	1100	6870.					
75	2 25	1400	6270.	190.0	12.0	12.0		.12
75	2 25	1700	5555.					
75	2 25	2000	4670.					
75	2 25	2300	3930.	193.0	12.0	11.0		.13
75	2 26	200	3335.					
75	2 26	500	2910.					
75	2 26	800	2300.	193.0	12.0	11.0		.15
75	2 26	1100	1800.					
75	2 26	1400	1590.					
75	2 26	1700	1395.	223.0	13.0	10.0		.14
75	2 26	2000	1240.					
75	2 26	2300	1130.					
75	2 27	200	1050.	222.0	11.0	9.0		.13
75	2 27	500	980.					
75	2 27	800	920.					
75	2 27	1100	860.	257.0	10.0	10.0		
75	2 27	1600	775.					
75	2 28	1300	572.	290.0	11.0	11.0		.16
75	2 28	1300	572.					
75	2 28	1300	572.					
75	5 21	1700	108.	467.0	20.0	17.0	39.0	
75	5 21	1800	423.					
75	5 21	2000	1420.	479.0	14.0	14.0	35.0	
75	5 21	2100	2286.					
75	5 21	2300	2686.	419.0	12.0	11.0	27.0	
75	5 21	2400	3061.					
75	5 22	200	3271.	233.0	12.0	12.0	30.0	
75	5 22	300	3299.					
75	5 22	500	3435.	271.0	17.0	13.0	23.0	
75	5 22	600	3546.					
75	5 22	800	3650.	241.0	14.0	13.0	23.0	
75	5 22	900	3618.					
75	5 22	1100	3488.	252.0	15.0	13.0	23.0	
75	5 22	1200	3363.					

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : AT ELYRIA, OHIO

USGS NO. 04200500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT OIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS- ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	5 22 1400	3117.	954.0	246.0	15.0	15.0	25.0	
75	5 22 1500	2956.						
75	5 22 1700	2606.	897.0	281.0	19.0	15.0	23.0	
75	5 22 1800	2432.						
75	5 22 2000	2378.	675.0	169.0	19.0	14.0	25.0	
75	5 22 2200	1934.						
75	5 23 200	1508.	686.0	230.0	18.0	16.0	23.0	
75	5 23 400	1320.						
75	5 23 800	1120.	652.0	320.0	250.0	170.0	26.0	
75	5 23 1000	1084.						
75	5 23 1400	1008.	587.0	327.0	18.0	16.0	26.0	
75	5 23 1600	964.						
75	5 23 2000	872.	474.0	290.0	18.0	15.0	27.0	
75	5 23 2200	832.						
75	5 24 200	744.	444.0	284.0	17.0	16.0	27.0	
75	5 24 400	695.						
75	5 24 800	604.	448.0	340.0	28.0	18.0	28.0	
75	5 24 1000	562.						
75	5 24 1400	501.	434.0	348.0	19.0	18.0	28.0	
75	5 24 1600	475.						
75	5 24 2000	420.	444.0	360.0	18.0	16.0	29.0	
75	5 24 2200	396.						
75	5 25 200	351.	380.0	312.0	17.0	17.0	29.0	
75	5 25 400	335.						
75	5 27 900	649.	480.0	296.0	18.0	17.0	35.0	

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : AT ELYRIA, OHIO

USGS NO. 04200500

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHO PHOS.	NO-2 NO-3	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLO RIDE	SI02	IRON	COND 25C.
YR	MO	DAY	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO
75	2	22	1100	585.						25.00				
75	2	22	1200	670.										
75	2	23	100	695.										
75	2	23	200	730.						6.00				
75	2	23	300	800.										
75	2	23	400	960.										
75	2	23	500	1260.						169.00				
75	2	23	600	1660.										
75	2	23	700	1940.										
75	2	23	800	2300.						161.00				
75	2	23	900	2620.										
75	2	23	1000	2830.						313.00				
75	2	23	1100	3110.										
75	2	23	1200	3320.										
75	2	23	1300	3460.						421.00				
75	2	23	1400	3610.										
75	2	23	1500	3770.						466.00				
75	2	23	1700	3930.										
75	2	23	1800	4014.										
75	2	23	1900	4090.						456.00				
75	2	23	2000	4250.										
75	2	23	2100	4520.						501.00				
75	2	23	2200	4790.										
75	2	23	2300	4880.						532.00				
75	2	23	2400	5240.										
75	2	24	200	5600.						531.00				
75	2	24	500	6300.										
75	2	24	800	6800.										
75	2	24	1100	6996.										
75	2	24	1400	7060.										
75	2	24	1700	7140.										
75	2	24	2000	7140.						448.00				
75	2	24	2300	7120.										
75	2	25	200	7070.										
75	2	25	500	7000.						357.00				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : AT ELYRIA, OHIO

USGS NO. 04200500

SAMPLING DATE YR MO DY WRS.	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	MN-3 MG/L	ORG. NIT. MG/L	TOTAL NIT. MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	IRON MG/L	COND 25C. UMHO
75	2 25	800	6900.										
75	2 25	1100	6870.										
75	2 25	1400	6270.										
75	2 25	1700	5555.										
75	2 25	2000	4670.										
75	2 25	2300	3930.										
75	2 26	200	3335.										
75	2 26	500	2810.										
75	2 26	800	2300.										
75	2 26	1100	1800.										
75	2 26	1400	1590.										
75	2 26	1700	1395.										
75	2 26	2000	1240.										
75	2 26	2300	1130.										
75	2 27	200	1050.										
75	2 27	500	980.										
75	2 27	800	920.										
75	2 27	1100	860.										
75	2 27	1600	775.										
75	2 28	1300	572.										
75	2 28	1300	572.										
75	5 21	1700	100.										
75	5 21	1800	423.										
75	5 21	1900	793.										
75	5 21	2000	1420.										
75	5 21	2100	2206.										
75	5 21	2200	2697.										
75	5 21	2300	2806.										
75	5 21	2400	3061.										
75	5 22	100	3187.										
75	5 22	200	3271.										
75	5 22	300	3299.										
75	5 22	400	3346.										
75	5 22	500	3435.										
75	5 22	600	3546.										

STREAM : BLACK RIVER

USGS NO. 04200500

[illegible]

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOK RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : AT ELYRIA, OHIO

USGS NO. 04200500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	S102 MG/L	IRON MG/L	COND 25C. UMHO
75 5 24	1868	447.	.300	.160	1.790	.300	1.500	1.800	39.00	84.00	32.00			485.
75 5 24	2000	428.												
75 5 24	2200	396.	.310	.150	1.630	.200	1.300	1.500	31.00	68.00	30.00			770.
75 5 24	2400	372.												
75 5 25	200	351.												
75 5 25	408	335.												
75 5 27	900	649.												
77 3 11	1630	242.	.570	.200	1.700	.500	1.000	1.500	27.00	184.00	30.00	7.00		401.
77 3 18	1530	3958.	.325	.100	2.850	1.830				35.00	58.60	5.36		704.
77 3 18	1900	4662.	.430	.029	1.930	.003				201.00	50.40	5.09		447.
77 3 19	815	5110.	1.700	1.260	2.430	.003				293.00	31.40	5.89		357.
77 3 19	1330	5046.	.270	.032	2.480	.051				304.00	24.60	4.94		320.
77 3 20	1000	2462.	.161	.014	2.730	.005				850.00	29.40	5.56		332.
77 3 20	1250	2157.	.126	.033	2.720	.003				197.00	27.50	5.61		359.
77 3 20	1800	1798.	.124	.054	2.830	.006				111.00	28.80	5.97		358.
77 3 21	930	1303.	.195	.036	3.510	.028				81.00	32.20	6.41		376.
77 3 21	1530	1174.	.173	.073	2.950	.066				70.00	34.80	6.54		428.
77 3 21	2359	997.	.150	.070	4.000	.273				64.00	46.60	6.70		444.
77 3 22	140	960.	.200	.093	2.930	.150				48.00	44.10	6.70		480.
77 3 22	205	952.	.110	.074	1.480	.164				99.00	26.70	3.24		482.
77 3 22	310	936.	.140	.066	2.940	.228				59.00	38.20	6.65		293.
77 3 22	955	1439.	.238	.083	2.440	.152				137.00	42.70	6.27		470.
77 3 22	1125	1521.	.239	.081	2.550	.330				187.00	45.60	6.16		472.
77 3 22	1545	2366.	.145	.061	2.570	.060				179.00	58.60	6.11		496.
77 3 23	1300	2962.	.335	.026	2.730	.003				246.00	24.10	5.44		515.
77 3 24	1410	1470.	.199	.044	2.940	.165				91.00	29.50	6.17		366.
77 3 25	1110	830.	.156	.060	2.820	.204				71.00	32.90	6.56		410.
77 3 26	1130	516.	.246	.095	2.550	.505				49.00	39.80	6.40		469.
77 4 2	755	603.	.597	.248	1.590	2.030				161.00	52.60	5.38		516.
77 4 2	1839	1738.	.535	.093	1.510	.345				254.00	42.90	5.45		552.
77 4 3	1000	4237.	.130	.061	1.510	.024				498.00	18.10	5.30		480.
77 4 3	1629	4295.	.360	.047	1.660	.016				428.00	17.60	5.41		320.
77 4 3	2250	4212.	.188	.074	1.690	.124				396.00	19.00	5.66		324.
77 4 4	1040	2913.	.096	.040	1.860	.061				247.00	21.30	5.94		323.
77 4 4	2265	1510.	.185	.068	1.980	.167				140.00	29.50	6.15		330.
77 4 5	1105	1237.	.245	.093	1.830	.360				153.00	28.10	6.38		372.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : BLACK RIVER

STREAM : BLACK RIVER

LOCATION W/CODE : AT ELYRIA, OHIO

USGS NO. 04200500

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	5	1445	1288.	.335	.064	1.830	.210		111.00	27.20	6.47		416.
77	4	6	1220	1322.	.216	.071	1.720	.320		121.00	26.80	6.80		438.
77	4	6	1335	1274.	.251	.125	1.730	.302		123.00	28.10	6.88		430.
77	4	6	1600	1192.	.259	.097	1.740	.213		99.00	27.50	6.00		434.
77	4	7	1040	374.	.245	.099	1.820	.580		85.00	32.50	6.19		473.
77	4	7	1140	681.	.211	.090	1.860	.690		76.00	33.20	6.32		458.
77	4	7	1240	667.	.215	.102	1.860	.825		75.00	33.20	6.31		488.
77	4	7	1340	656.	.251	.104	1.860	.733		62.00	28.70	6.30		476.
77	4	7	1440	688.	.259	.090	1.840	.730		80.00	25.80	6.23		464.
77	4	7	1535	688.	.225	.103	1.860	.750		93.00	26.10	6.26		463.
77	4	7	1630	688.	.281	.102	1.880	.668		64.00	25.30	6.25		480.
77	4	7	1725	688.	.238	.114	1.900	.638		60.00	28.30	6.38		481.
77	5	17	1613	44.	1.180	.785	1.210	4.230		17.00	76.10	2.82		936.
77	5	23	2325	25.	2.320	1.880	1.260	5.500		2.00	93.60	4.43		1040.
77	7	1	1130	1434.	.578	.224	10.200	.630		781.00	38.20	6.30		408.
77	7	1	1230	1541.	.356	.254	10.000	.504		825.00	53.70	6.05		362.
77	7	1	1340	1673.	1.240	.206	10.300	.520		894.00	35.70	6.07		410.
77	7	1	1440	1759.	1.060	.196	10.900	.500		834.00	41.50	6.15		401.
77	7	1	1540	1843.	.980	.256	9.400	.730		801.00	38.50	5.68		388.
77	7	1	1650	1899.	1.030	.178	10.300	.604		748.00	39.30	6.25		396.
77	7	1	1755	1905.	1.040	.174	10.100	.510		903.00	32.30	7.00		402.
77	7	1	2000	1939.	1.140	.171	10.600	.444		920.00	33.60	6.76		438.
77	7	1	2055	1928.	1.340	.174	10.700	.330		920.00	33.60	6.84		434.
77	7	1	2155	1888.	1.300	.171	10.700	.320		1273.00	31.20	6.24		428.
77	7	2	1025	1068.	.780	.118	9.600	.270		759.00	24.90	6.38		366.
77	7	2	1200	948.	.770	.126	10.000	.316		714.00	24.70	6.78		371.
77	7	2	1320	857.	.684	.126	9.800	.296		753.00	24.80	6.55		356.
77	7	2	1550	712.	.804	.127	10.100	.370		686.00	25.10	6.58		370.
77	7	2	1715	646.	.230	.134	9.400	.390		671.00	25.70	6.35		370.
77	7	2	1815	606.	.750	.198	9.900	.390		672.00	31.70	6.68		378.
77	7	3	730	291.	.672	.277	10.300	.272		442.00	29.40	7.58		393.
77	7	3	845	285.	.673	.198	9.700	.320		417.00	29.00	7.88		386.
77	7	3	1125	256.	.540	.310	10.100	.590		361.00	30.20	7.65		418.
77	7	3	1255	242.	.615	.336	10.000	.670		357.00	30.90	7.45		420.

ROCKY RIVER
NEAR
BEREA, OHIO

USGS NO. 04201500

SAMPLING TIME				FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2		NH-3		ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CMLO RIDE MG/L	SI02		IRON MG/L	COND 25C UMHO
DATE	HR	MO	DAY				MG/L	MG/L	MG/L	MG/L						MG/L	MG/L		
77	1	6	1500	46.	1.230	1.320	2.000	2.000	2.000		3.050			7.20	151.00		7.31		1221.
77	1	6	1501	46.	1.150	.900	4.370		.012		.402			0.00	149.00				
77	2	12	1200	22.	1.110									33.70					
77	2	10	1330	200.	.365	.230	2.730		.017		.436			0.50	154.00				
77	2	10	1330	200.	.320	.225	2.550		.025		.700			35.90	154.00		7.56		1207.
77	2	10	1330	200.	.932	.227	3.120		.059		1.460			166.00	163.00		7.98		1335.
77	2	10	1330	200.	.364	.218	2.390		.202		.780			12.80	143.00		7.27		1120.
77	2	19	000	230.	.566	.335	2.730		.306		.750			17.20	150.00		7.12		1190.
77	2	19	1330	230.	.718	.416	2.730		.536		.730			17.40	148.00		7.00		1192.
77	2	21	1015	160.	2.630	.232	2.030		.086		2.580			650.00	137.00		6.64		1015.
77	2	23	1000	1200.	.890	.077	1.930		.060		1.960			632.00	92.60		5.05		563.
77	2	24	615	5200.	.576	.059	1.750		.073		3.130			1290.00	90.30		5.14		564.
77	2	24	1300	5200.	.379	.051	1.930		.082		1.390			504.00	70.00		4.61		423.
77	2	25	615	4100.	.576	.067	2.340		.130		1.030			309.00	88.60		5.25		532.
77	2	25	1015	1903.	.379	.066	2.230		.172		.900			171.00	79.40		5.39		522.
77	2	26	1015	1030.	.295	.067	2.340		.130		.800			70.60	87.40		6.26		594.
77	2	27	930	704.	.216	.086	2.230		.331		.700			65.00	109.00		6.27		720.
77	2	27	1900	015.	.257	.102	1.600		.553		.010			50.00	102.00		6.35		705.
77	2	28	1030	495.	.254	.169	1.510		.095		1.090			40.00	116.00		6.57		705.
77	3	1	1030	276.	.301	.191	1.370		.095		1.090			18.00	101.00		7.01		752.
77	3	3	1000	204.	.275	.167	2.450		.029		.540			18.70					
77	3	7	630	257.	.331	.095	1.320		.355					20.00	144.00		6.21		045.
77	3	11	1115	161.	.313									21.20					
77	3	12	1130	141.	.447									21.90	91.70		7.16		697.
77	3	17	900	223.	.204	.170	1.470		.297		1.000			22.60	73.70		7.20		699.
77	3	17	901	223.	.204	.135	1.420		.124		1.190			1090.00	64.20		5.00		437.
77	3	10	1340	4209.	.708	.000	1.270		.003					717.00	40.00		4.95		369.
77	3	10	1030	5350.	.202	.004	1.260		.003					062.00	61.30				394.
77	3	19	45	5214.										165.00					
77	3	19	615	1094.	.273									222.00	39.10		5.36		362.
77	3	19	1200	1960.	.322	.010	1.470		.003					214.00	48.00		5.31		396.
77	3	19	1600	1416.	.232	.006	1.410		.003					219.00	53.90		5.75		410.
77	3	19	2000	1074.	.023	.023	1.460		.003					230.00	59.00		5.73		447.
77	3	19	2235	983.	.200	.007	1.300		.007		1.500			175.00	61.50		5.03		460.
77	3	20	26	913.	.130	.007	1.390		.003					97.00	82.60		6.34		534.
77	3	20	1400	1004.	.155	.029	1.370		.004					135.00	90.60		6.35		542.
77	3	20	1700	1200.	.061	.022	1.300		.030										241.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : ROCKY RIVER

STREAM : ROCKY RIVER

LOCATION W/CODE : NEAR BEREA, OHIO

USGS NO. 04201500

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
77	3 20	1920	.146	.045	1.350	.003				109.00	70.30	6.24		514.
77	3 20	2040		.023	1.460	.003						5.75		
77	3 20	2338	.146	.018	1.500	.004				115.00	59.30	5.87		485.
77	3 21	135	.175	.006	1.510	.003				140.00	58.00	5.06		482.
77	3 21	1066	.228							110.00				
77	3 21	630	.175	.049	1.510	.003				74.00	61.80	6.17		508.
77	3 21	2805	.148	.070	1.390	.003				63.00	60.60	6.36		510.
77	3 22	50	.129							139.00				
77	3 22	630	.359							286.00	75.70	6.47		520.
77	3 22	1639	.245	.028	1.260	.007				148.00	61.00	5.93		464.
77	3 23	1105	.256	.029	1.440	.003				66.00	53.00	6.02		487.
77	3 24	1115	.184	.042	1.520	.005				23.00	75.70	6.10		628.
77	3 26	1400	.135	.061	1.380	.143				106.00				
77	3 28	930	.402							142.00	82.00	7.57		704.
77	3 28	1700	.445	.141	1.190	.174		1.400		128.00	67.70	6.53		525.
77	3 29	630	.356	.147	1.090	.014		.767		169.00	62.80	6.07		491.
77	3 29	915	.352	.093	1.250	.097		1.920		207.00	53.50	6.14		469.
77	3 29	916	.341	.094	1.570	.071		1.030		38.90	69.10	6.59		541.
77	3 29	1900	.294	.120	1.130	.016		.591		444.00	72.70	5.36		549.
77	4 2	1220	.650	.075	1.260	.003				491.00	68.30	5.36		510.
77	4 2	1435	.595	.053	1.180	.003				435.00	51.70	4.84		500.
77	4 2	1825	.325	.074	1.090	.005				759.00	43.20	5.45		405.
77	4 2	2230	.656	.052	.968	.021				290.00	36.90	5.70		370.
77	4 3	915	.271	.046	.890	.003				269.00	38.30	5.86		370.
77	4 3	1105	.245	.038	.900	.003				281.00	36.80	5.69		369.
77	4 3	1445	.195	.028	.895	.005				267.00	28.80	5.54		340.
77	4 3	1735	.310	.013	1.070	.021				262.00	30.00	5.60		349.
77	4 3	1955	.223	.022	1.080	.003				234.00	32.20	5.67		367.
77	4 3	2140	.198	.027	1.070	.003				221.00	41.00	5.72		369.
77	4 3	2240	.181	.021	1.120	.003		.880		202.00	60.60	6.53		499.
77	4 4	600	.359	.110	1.070	.022				126.00	40.30	6.07		435.
77	4 4	1240	.125	.056	1.080	.003				82.00	39.30	6.06		437.
77	4 4	1700	.182	.082	1.150	.003		.805		118.00	65.60	6.64		529.
77	4 4	2000	.418	.184	1.330	.027		.892		221.00	65.80	6.60		529.
77	4 5	630	.338	.091	.958	.018				215.00	38.20	5.55		450.
77	4 5	1020	.394	.062	1.080	.003				191.00	41.10	5.77		433.
77	4 5	1520	.300	.027	1.020	.003								

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : ROCKY RIVER

STREAM : ROCKY RIVER

LOCATION V/CODE : NEAR BEREA, OHIO

USGS NO. 84201500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	5	1900	1233.						138.00	57.70	6.43		476.
77	4	6	1135	633.						75.00	43.10	5.93		449.
77	4	7	1110	386.						34.00	47.40	6.00		535.
77	4	7	1200	388.						21.00	46.20	5.96		538.
77	4	7	1949	352.						76.00	50.80	6.17		568.
77	4	7	1854	338.						90.00	46.48	6.34		578.
77	4	11	630	178.						102.00	75.00	6.12		659.
77	4	14	1155	136.						4.00	70.00	1.49		682.
77	4	14	1156	136.						8.20	69.20	2.38		693.
77	4	18	600	79.						9.50	84.40	3.37		769.
77	4	26	1015	736.						35.40	51.00	7.12		528.
77	4	26	1016	736.						43.30	72.00	5.30		518.
77	5	2	630	133.						28.20	77.80	3.88		690.
77	5	3	630	501.						82.80	77.30	5.43		674.
77	5	4	645	341.						37.20	72.30	5.46		603.
77	5	5	645	1289.						117.00	56.40	5.95		527.
77	5	5	2000	712.						56.60	59.60	6.29		553.
77	5	6	645	495.						55.30	62.70	6.41		574.
77	5	6	1900	347.						25.10	66.40	6.28		609.
77	5	9	1030	121.						12.80	81.90	5.29		730.
77	5	12	1300	98.						4.20	73.30	2.53		734.
77	5	12	1301	98.						4.70	68.80	4.33		729.
77	5	16	630	67.						10.00	75.70	4.17		803.
77	5	17	1136	56.						1.00	103.00	1.57		932.
77	5	23	630	43.						10.30	93.10	4.65		975.
77	5	23	2010	41.						3.00	98.40			861.
77	5	25	1400	43.						43.30	96.60	4.04		1015.
77	5	25	1401	43.						16.40	106.00	4.94		1033.
77	6	5	900	25.						7.40	108.00	2.75		1057.
77	6	6	630	44.						18.90	99.30	4.48		950.
77	6	6	1500	45.						30.00	92.10	4.66		352.
77	6	6	1915	70.						49.00	111.00	3.52		406.
77	6	6	2015	71.						65.00	100.00	5.10		377.
77	6	7	630	90.						11.50				505.
77	6	7	1030	77.						9.80	105.00	5.87		1013.
77	6	7	1031	77.						1.20	98.40	6.41		999.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : ROCKY RIVER

STREAM : ROCKY RIVER

LOCATION V/CODE : NEAR BEREA, OHIO

USGS NO. 04201500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	6	7	1200	75.	1.140	.082	1.590	2.210		74.00	107.00	4.62		392.
77	6	7	1230	73.	.930	.670	1.310	.225		15.00	189.00	2.96		546.
77	6	7	1730	66.	1.070	.747	2.110	1.340		78.00	164.00	4.12		496.
77	6	7	1800	65.	.975	.764	1.690	.510		20.00	194.00	3.16		542.
77	6	7	2245	60.	.965	.826	1.850	3.500		27.00	105.00	4.86		382.
77	6	7	2315	60.	1.180	.845	1.830	3.600		28.00	92.80	4.96		360.
77	6	8	820	50.	1.440	1.170	2.950	.325		1.00	211.00	2.15		582.
77	6	8	850	48.	1.480	1.150	2.980	.275		3.00	217.00	2.15		598.
77	6	8	955	48.	1.370	.960	3.080	.370		18.00	214.00	2.32		583.
77	6	8	1025	48.	1.550	1.170	3.050	.300		13.00	202.00	2.06		582.
77	6	8	1055	47.	1.530	1.180	3.140	.325		12.00	206.00	2.02		584.
77	6	8	1125	47.	1.500	1.190	3.160	.393		3.00	207.00	2.02		574.
77	6	8	1155	47.	1.610	1.180	3.120	.335		10.00	202.00	2.07		574.
77	6	8	1225	47.	1.440	.978	2.700	1.290		1.00	165.00	3.07		488.
77	6	8	1255	47.	1.360	.986	2.650	1.380		11.00	153.00	3.20		480.
77	6	8	1330	47.	1.320	.972	2.760	1.230		10.00	153.00	2.86		486.
77	6	8	1400	47.	1.380	1.000	2.880	.900		6.00	176.00	2.35		520.
77	6	9	630	121.	1.580	1.320	4.320	1.520		27.30				881.
77	7	6	930	124.	.750	.488	2.590	1.170		83.30				604.
77	7	10	1830	52.	.753	.624	2.770	.029		14.90	81.70	11.10		758.
77	7	20	1330	136.	.637	.466	1.950	.041		34.60	67.90	7.79		609.
77	7	20	1331	136.	.659	.471	1.750	.020		36.80	70.20	6.64		591.
77	7	25	630	50.	.978	.760	3.560	.724		56.30	85.50	7.83		722.
77	8	2	1100	37.	1.070	.858	2.870	.813		38.50	81.20	6.06		789.
77	8	2	1101	38.	1.060	.911	3.290	.010		31.20	79.50			753.
77	8	17	1200	70.	.794	.568	1.810	.010		51.50	60.20			642.
77	8	17	1201	70.	.755	.579	2.000	.032		48.40	65.60	9.24		640.
77	9	14	1500	341.	.848	.379	2.080	.591		170.00	64.90	5.93		649.
77	9	26	1800	52.	1.180	.827	3.120	.415		17.10	68.30	8.17		728.
77	9	28	1900	363.	.852	.697	2.930	.431		11.90	83.00	8.70		839.
77	9	28	1901	363.	.849	.744	3.040	.550		15.40	85.90	9.10		857.
77	9	28	1902	363.	.977	.826	3.130	.608			78.50	6.65		811.
77	9	29	1800	43.	.781	.673	2.940	.094		7.20	83.50	6.99		861.
77	9	29	1801	43.	1.260	1.060	4.230	.010		20.20	81.70	5.77		820.
77	10	2	1030	58.	.769	.482	1.920	.425		50.30	75.90	6.44		744.
77	10	8	1630	68.	.780	.478	2.650	.908		78.70	74.10	7.26		747.
77	10	9	1330	173.	.630	.459	1.860	.605		21.50	69.50	9.02		727.

CUYAHOGA RIVER
AT
INDEPENDENCE , OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	2 22 2100	1570.	396.0	333.0	9.0	9.0		1.37
75	2 22 2200	1610.						
75	2 22 2300	1680.						
75	2 22 2400	1872.	483.0	371.0	10.0	8.0		.24
75	2 23 100	2130.						
75	2 23 200	2370.						
75	2 23 300	2620.	664.0	405.0	10.0	8.0		.18
75	2 23 400	2880.						
75	2 23 500	3270.						
75	2 23 600	3800.	1179.0	364.0	11.0	9.0		.13
75	2 23 700	4400.						
75	2 23 800	4600.						
75	2 23 900	4900.	1161.0	311.0	10.0	10.0		.16
75	2 23 1000	4950.						
75	2 23 1100	5000.						
75	2 23 1200	5000.	950.0	311.0	11.0	8.0		.14
75	2 23 1300	5000.						
75	2 23 1400	4950.						
75	2 23 1500	4900.	954.0	322.0	13.0	10.0		.13
75	2 23 1600	4750.						
75	2 23 1700	4600.						
75	2 23 1800	4400.	638.0	304.0	10.0	9.0		.38
75	2 23 1900	4300.						
75	2 23 2000	4150.						
75	2 23 2100	4300.	593.0	306.0	12.0	8.0		.13
75	2 23 2200	4550.						
75	2 23 2300	4900.						
75	2 23 2400	5500.	934.0	298.0	3.0	8.0		.06
75	2 24 300	7000.						
75	2 24 600	8000.						
75	2 24 900	8950.	1460.0	240.0				.04
75	2 24 1000	10200.						
75	2 24 1800	10500.	794.0	181.0	11.0	8.0		.06
75	2 24 2100	10400.						
75	2 24 2400	9700.						
75	2 25 300	9100.	586.0	76.0				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOY DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	2 25	600	8200.		10.0	7.0		.03
75	2 25	900	7500.					
75	2 25	1200	6900.	242.0	10.0	8.0		.03
75	2 25	1500	6600.					
75	2 25	1800	6300.	204.0	10.0	7.0		.05
75	2 25	2100	6000.					
75	2 25	2400	5800.					
75	2 26	300	5500.					
75	2 26	600	5300.	299.0	8.0	8.0		.07
75	2 26	900	5100.					
75	2 26	1200	4850.	283.0	8.0	8.0		.07
75	2 26	1500	4700.					
75	2 26	1800	4500.					
75	2 26	2100	4400.	204.0	10.0	8.0		.10
75	2 26	2400	4300.					
75	2 27	300	4300.					
75	2 27	600	4300.					
75	2 27	900	4200.	272.0	8.0	8.0		.07
75	2 27	1200	4150.		17.0	10.0	29.0	
75	2 28	1400	3957.	279.0				
75	5 21	1900	715.	455.0	17.0	12.0	38.0	
75	5 21	2000	1342.					
75	5 21	2200	3556.	574.0	16.0	12.0	28.0	
75	5 21	2300	4435.					
75	5 22	100	4166.	2490.0	14.0	12.0	26.0	
75	5 22	200	6280.					
75	5 22	400	8128.	521.0	16.0	14.0	32.0	
75	5 22	500	9040.					
75	5 22	700	10620.	415.0	15.0	10.0	25.0	
75	5 22	800	11402.					
75	5 22	1000	12208.	285.0	13.0	10.0	25.0	
75	5 22	1100	12128.					
75	5 22	1300	11356.	297.0	14.0	12.0		
75	5 22	1400	10372.					
75	5 22	1600	8610.	278.0	13.0	12.0		
75	5 22	1700	7644.					

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75 5 22 1900	5450.	1000.0	340.0	13.0	12.0	27.0	
75 5 22 2000	4477.						
75 5 22 2200	3250.	955.0	301.0	12.0	10.0		
75 5 22 2400	2769.						
75 5 23 400	2214.	833.0	311.0	12.0	10.0	30.0	
75 5 23 600	2028.						
75 5 23 1000	1860.	677.0	325.0	10.0	10.0		
75 5 23 1200	1786.						
75 5 23 1600	1602.	566.0	272.0	14.0	12.0	30.0	
75 5 23 1800	1596.						
75 5 23 2200	1586.	533.0	293.0	12.0	12.0	31.0	
75 5 23 2400	1560.						
75 5 24 400	1390.	652.0	460.0	13.0	11.0	32.0	
75 5 24 600	1348.						
75 5 24 1000	1145.	591.0	369.0	12.0	12.0	32.0	
75 5 24 1200	1090.						
75 5 24 1600	1002.	511.0	327.0	15.0	12.0		
75 5 24 1800	975.						
75 5 24 2200	950.	492.0	376.0	12.0	12.0	32.0	
75 5 24 2400	915.						
75 5 27 1100	1112.	552.0	446.0	14.0	14.0	34.0	
75 5 25 400	860.	469.0	367.0	13.0	12.0	33.0	
75 5 25 600	840.						

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION V/CODE : AT INDEPENDENCE, OHIO

USGS NO. 84200000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTMO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SIO2 MG/L	IRON MG/L	COND 25C. UMHO
75	2 25	300								347.00				
75	2 25	600	.280	.010	.000				50.00					
75	2 25	7500								300.00				
75	2 25	1200				.300	.400		45.00					
75	2 25	1500	.250	.010	.024					259.00				
75	2 25	1800				.300	.400		49.00					
75	2 25	2100								246.00				
75	2 25	2400	.250	.010	.046				41.00					
75	2 26	300				.300	.400			202.00				
75	2 26	600	.440	.020	.756				38.00					
75	2 26	900				.300	.400			181.00				
75	2 26	1200	.280	.010	.032				37.00					
75	2 26	1500				.300	.500			187.00				
75	2 26	1800	.330	.010	1.110				36.00					
75	2 26	2100				.300	.400		19.00					
75	2 26	2400	.330	.010	1.050	1.300	.500			43.00				
75	2 27	300				1.100	1.100	2.200	129.00	155.00	105.00			744.
75	2 27	600												
75	2 27	900				1.300	1.800	3.100	260.00	3182.00	71.00			584.
75	2 27	1200	.330	.010	.960									
75	2 27	1500				.400	1.300	1.700	255.00	2618.00	49.00			340.
75	2 27	1800	.330	.010	.670									
75	2 27	2100	.390	.020	1.210					3956.00	36.00			289.
75	2 27	2400	.500	.070		.400	1.300	1.700	219.00					
75	2 28	300								3416.00	34.00			280.
75	2 28	600	.410	.040	1.020	.300	1.800	2.100	207.00					
75	2 28	900	.480	.080										
75	2 28	1200												
75	2 28	1500												
75	2 28	1800												
75	2 28	2100												
75	2 28	2400												
75	2 29	300												
75	2 29	600												
75	2 29	900												
75	2 29	1200												
75	2 29	1500												
75	2 29	1800												
75	2 29	2100												
75	2 29	2400												
75	2 30	300												
75	2 30	600												
75	2 30	900												
75	2 30	1200												
75	2 30	1500												
75	2 30	1800												
75	2 30	2100												
75	2 30	2400												
75	2 31	300												
75	2 31	600												
75	2 31	900												
75	2 31	1200												
75	2 31	1500												
75	2 31	1800												
75	2 31	2100												
75	2 31	2400												
75	2 32	300												
75	2 32	600												
75	2 32	900												
75	2 32	1200												
75	2 32	1500												
75	2 32	1800												
75	2 32	2100												
75	2 32	2400												
75	2 33	300												
75	2 33	600												
75	2 33	900												
75	2 33	1200												
75	2 33	1500												
75	2 33	1800												
75	2 33	2100												
75	2 33	2400												

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208900

SAMPLING DATE				TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
DATE	YR	MO	DAY	2400	CFS	PHOS.	PHOS.	NO-3	MG/L	MIT.	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	25C.
				HRS.		MG/L	MG/L	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L			UMHO
75	5	22	1800		1228.0	.480		.880	.300	.700	1.000	149.00	2008.00	28.00			304.
75	5	22	1100		1212.0												
75	5	22	1200		1176.6	.438	.040	.960	.300				1156.00	39.00			304.
75	5	22	1300		1115.6					1.800	2.100	108.00					
75	5	22	1400		1037.2	.130	.040	.970	.300	.900	1.200	100.00	776.00				347.
75	5	22	1500		951.0	.200											
75	5	22	1600		861.0												
75	5	22	1700		764.4		.050	.680	.300								
75	5	22	1800		654.2	.150	.050						668.00	42.00			391.
75	5	22	1900		545.0	.210			.300	.800	1.100	107.00					
75	5	22	2000		447.7	.775	.070	.030	.200	1.500	1.700	57.00	654.00				428.
75	5	22	2100		373.1	.170											
75	5	22	2200		325.0	.110											
75	5	22	2300		276.9	.070	.130	.940	.300	1.100	1.400	63.00	522.00	57.00			516.
75	5	23	200		250.9												
75	5	23	400		221.4												
75	5	23	600		202.8	.590	.140	.820	.200	1.500	1.700	53.00	352.00				504.
75	5	23	800		192.6												
75	5	23	1000		186.8												
75	5	23	1200		170.6	.775	.140	.780	.200	1.500	1.700	53.00	294.00	61.00			504.
75	5	23	1400		167.4	.360			.300	1.200	1.500	57.00					
75	5	23	1600		160.2												
75	5	23	1800		159.6	.560	.160	.670	.300	1.200	1.500		240.00	64.00			516.
75	5	23	2000		160.2												
75	5	23	2200		158.6	.775	.160	.670	.300	1.200	1.500	51.00	240.00	64.00			516.
75	5	23	2400		158.0												
75	5	24	200		145.8	.470	.190	.820	.300	1.200	1.500	42.00	184.00	80.00			588.
75	5	24	400		139.8				.300	.700	1.000		222.00	66.00			576.
75	5	24	600		134.8	.460	.160	.980	.300	.900	1.200	41.00					
75	5	24	800		122.2												
75	5	24	1000		114.5												
75	5	24	1200		109.0	.480	.080	.880	.300	.900	1.200	41.00	222.00	66.00			576.
75	5	24	1400		104.0												
75	5	24	1600		100.2	.775	.080	.880	.300	.900	1.200	39.00	184.00				564.
75	5	24	1800		97.5				.400	.800	1.200						
75	5	24	2000		96.5	.410	.050										

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04200000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75 5 24	2200	950.												
75 5 24	2400	915.												
75 5 25	200	880.	.370	.850	.860	.300	.900	1.200	35.00	116.00	58.00			540.
75 5 25	600	840.												
75 5 27	1100	1112.												
76 12 1	1710	350.	.400	.140	1.140	.200	1.000	1.300	12.00	102.00	59.00			540.
76 12 2	1700	353.	.697	.456	4.630	.021	.600	.800	31.00	106.00	99.00			643.
76 12 2	1700	353.	.809	.388	4.250	.035				26.10	117.00	7.70		1000.
76 12 3	1710	307.	.491	.351	4.010	.048				33.00	107.00	7.87		934.
76 12 4	1230	299.	.688	.384	4.540	.101				15.50	111.00	7.18		987.
76 12 5	1010	298.	.704	.420	4.830	.049				17.70	104.00	7.54		921.
76 12 6	1705	279.	.948	.394	4.280	.079				22.40	107.00	7.79		961.
76 12 7	1655	774.	2.000	.579	.030	2.000				37.90	110.00	7.19		981.
76 12 8	735	597.	1.020	.281	1.990	.193				293.00	150.00	7.67		1390.
76 12 9	735	494.	.677	.294	2.900	.056				77.30	137.00	5.91		1135.
76 12 10	736	434.	.625	.391	3.490	.040				44.00	133.00	7.19		1144.
76 12 11	904	613.	1.030	.598	2.630	.092				18.20	124.00	7.31		1071.
76 12 13	730	459.	.659	.328	3.060	.302				52.40	161.00	7.62		1497.
76 12 14	735	413.	.598	.278	3.470	.444				31.30	105.00	7.31		908.
76 12 15	725	413.	.713	.421	3.500	.567				26.50	109.00	7.28		938.
76 12 16	740	392.	.753	.514	3.700	.040				20.70	114.00	7.79		992.
76 12 17	745	395.	.752	.420	3.950	.035				19.30	118.00	7.99		1021.
76 12 18	955	366.	.777	.405	3.170	.451				24.20	114.00	7.57		995.
76 12 18	955	366.	.805	.389	3.650	.460				28.90	106.00	7.08		933.
76 12 20	745	610.	1.160	.349	1.060	1.340				37.30	102.00	7.20		933.
76 12 21	745	820.		.547	3.400	.071				123.00	121.00	6.99		1053.
76 12 22	1720	541.	.574	.260	3.470	.062				61.40	138.00	7.16		1222.
76 12 23	1445	481.	.574	.286	3.470	.062				30.60	134.00	7.17		1170.
76 12 24	730	453.	.540	.350	3.360	.083				17.50	128.00	7.30		1126.
76 12 26	1152	478.	.660	.267	3.020	.193				43.40	130.00	6.78		1120.
76 12 27	735	484.	.388	.196	2.410	.717				16.80	121.00	6.57		1017.
76 12 28	735	468.	.506	.229	2.660	.761				29.40	126.00	6.42		1047.
76 12 29	1655	437.	.623	.363	2.190	1.100				17.30	120.00	8.04		1021.
76 12 30	1648	374.	.572	.321	2.070	1.340				16.50	118.00	9.07		1011.
76 12 31	1710	361.	.711	.298	2.680	1.180				34.60	115.00	7.55		1006.
77 1 1	930	413.	.557	.340	2.030	1.580				15.40	106.00	7.11		913.
77 1 5	1000	332.	.762	.582	4.470	.016		1.000		17.00	120.00	7.90		

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04200000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 1 5 1001	332.	.782	.566	4.220	.069		1.008		17.00	118.00	9.20		
77 1 5 1655	332.	.713							19.30				
77 1 6 1650	314.	1.010							50.40				
77 1 7 1720	304.	.644							30.00				
77 1 8 1530	295.	.897							37.10				
77 1 10 1640	297.	.567							16.10				
77 1 11 1700	313.	.700							35.60				
77 1 12 1715	354.	.705							42.50				
77 1 13 1715	370.	.705							41.90				
77 1 14 1730	370.	.690							20.60				
77 1 15 1130	299.	.978							69.10				
77 1 17 1645	230.	1.230							54.30				
77 1 18 1645	400.	.544							18.00				
77 1 19 1650	607.	.673							10.10				
77 1 19 1730	607.	.670	.493	3.030	2.000		4.000		11.60	121.00	10.20		
77 1 19 1731	607.	.648	.523	5.300	.002		1.400		5.20	137.00	10.50		
77 1 20 1700	612.	.872							4.30				
77 1 21 1655	573.	.975							8.00				
77 1 22 1435	505.	2.000							46.40				
77 1 24 1641	295.	.995							28.00				
77 1 25 1640	200.	.697							7.30				
77 1 26 1657	209.	1.160							13.00				
77 1 27 1730	294.	1.050							20.00				
77 1 28 1632	297.	.003							16.50				
77 1 29 1447	340.	.710							12.50				
77 1 31 1657	609.	.629							5.80				
77 2 1 1130	562.	.626	.415	3.750	1.600		4.440		13.90	127.00	11.00		
77 2 1 1131	533.	.540	.438	5.410	.023		.002		12.00	125.00			
77 2 6 1716	265.	.919							37.20				
77 2 9 1650	302.	.856							25.00				
77 2 11 1740	460.	1.250							85.00				
77 2 12 1630	865.	.607							103.00				
77 2 13 1127	1450.	1.720							500.00				
77 2 14 1000	1150.	.493							94.00				
77 2 15 1700	920.	.414							49.00				
77 2 16 1700	774.	.487							29.00				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208080

SAMPLING DATE	TIME	FLOW	TOTAL PHOS.	ORTHOPHOS.	NO-2	NH-3	ORG. NIT.	TOTAL KJELD	COD	SUSPEND SOLIDS	CHLORIDE	SI02	IRON	COND
YR	MO	DAY	MRS.	CFS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	25C. UNMO
77	2	16	1730	774.	.401	.194	.028	.939		45.00	163.00			1306.
77	2	17	1730	704.	.504	.160	.106	.900		93.00	147.00	8.79		1202.
77	2	18	1657	689.	.418	.170	.148	.780		53.60	143.00	8.33		1034.
77	2	19	1426	665.	.414	.131	.399	.950		68.40	120.00	7.57		1156.
77	2	21	1648	566.	.532	.138	.818	2.100		87.40	131.00	7.07		1191.
77	2	22	1652	574.	.692	.257	1.250	2.560		79.00	143.00	8.48		1268.
77	2	23	725	2448.	1.020	.255	1.550	2.800		145.00	157.00	7.88		1061.
77	2	23	1715	2448.	3.450	.257	.766	7.800		1327.00	133.00	7.17		718.
77	2	24	735	6698.	1.290	.101	.326	2.580		816.00	114.00	6.29		651.
77	2	24	1650	6698.	1.260	.075	.248	2.920		1194.00	110.00	6.60		612.
77	2	25	1710	6268.	.626	.052	.094	1.320		422.00	101.00	6.43		626.
77	2	25	1730	6268.	.639	.054	.071	1.610		498.00	103.00	6.28		610.
77	2	26	1245	4810.	.446	.048	.095	1.140		268.00	99.70	6.61		599.
77	2	27	1050	3590.	.358	.051	.207	.830		261.00	96.90	6.77		552.
77	2	28	735	3180.	.394	.061	.448	1.050		213.00	80.10	6.98		497.
77	3	1	1631	2648.	.338	.067	.043	.910		174.00	81.60	6.45		
77	3	1	730	2640.	.349			69.00		69.00				
77	3	2	722	2880.	.480			146.00		146.00				
77	3	3	730	1708.	.372			112.00		112.00				
77	3	4	730	1998.	.358			98.70		98.70				
77	3	5	1345	1958.	.297			110.00		110.00				
77	3	7	730	1370.	.257			60.10		60.10				
77	3	8	1729	1330.	.322			61.80		61.80				
77	3	9	1730	1240.	.404			67.00		67.00				
77	3	10	730	1110.	.354			75.80		75.80				
77	3	11	730	983.	.348			58.50		58.50				
77	3	11	1045	1011.	.130			10.00		10.00	99.20	6.65		676.
77	3	12	1225	1250.	.300	.066	.335	71.70		71.70				
77	3	14	710	2820.	.375			204.00		204.00				
77	3	15	715	2090.	.323			145.00		145.00				
77	3	16	720	1880.	.232			87.50		87.50				
77	3	16	900	1880.	.276	.077	.526	78.10		78.10	83.10	8.18		554.
77	3	16	901	1880.	.267	.096	.117	.378		73.50	73.50	6.43		551.
77	3	17	734	1680.	.275	.091	.158	.399		80.90	72.30	5.68		537.
77	3	18	730	5380.	.907	.109	.139	1.270		737.00	79.00	5.49		595.
77	3	18	1200	6147.	.580	.024	.093	1548.00		1548.00	80.90	5.56		563.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C- UNHO
77	3 18	1715	.670	.007	.838	.033				1011.00	72.10	5.21		479.
77	3 18	2320	.466	.005	.930	.149				582.00	78.60	5.40		486.
77	3 19	1120	.180	.006	.970	.090				167.00	72.40	5.83		482.
77	3 19	1145	.406	.076	1.370	.260		.378		291.00	73.00	5.87		497.
77	3 19	1400	.140	.003	.958	.068				176.00	71.20	5.58		489.
77	3 19	1811	.232	.033	1.020	.003				161.00	83.00	5.88		513.
77	3 19	2140	.234	.018	1.030	.112				145.00	83.00	6.05		515.
77	3 20	1110	.329	.081	1.440	.149		.356		191.00	75.00	6.51		549.
77	3 20	1300	.125	.028	.920	.003				84.00	85.10	6.07		533.
77	3 20	1615	.110	.043	.890	.003				157.00	89.40	6.09		533.
77	3 20	2015	.180	.020	.878	.165				145.00	98.80	6.04		551.
77	3 21	30	.180	.019	.934	.093				128.00	82.00	6.06		528.
77	3 21	220	.145	.012	.930	.180				131.00	83.30	5.95		524.
77	3 21	1845	.123	.037	.894	.093				71.00	81.60	5.97		530.
77	3 21	2145	.160	.042	.952	.144				56.00	86.90	6.06		552.
77	3 22	5	.120	.041	.950	.191				33.00	88.30	6.07		552.
77	3 22	140	.132	.044	.952	.220				63.00	86.10	6.04		547.
77	3 22	715	.360	.097	1.498	.251		.982		157.00	74.00	5.30		537.
77	3 22	730	.279							119.00				
77	3 22	1330	.201	.091	.830	.140				110.00	77.30	6.15		518.
77	3 23	730	.274							132.00				
77	3 23	1005	.125	.022	.879	.188				30.00	85.10	5.95		517.
77	3 24	730	.171							96.70				
77	3 24	1015	.115	.025	.840	.168				25.00	99.20	5.84		538.
77	3 25	730	.209							80.20				
77	3 26	1445	.175	.044	.830	.335				746.00	85.40	5.29		511.
77	3 27	1845	.275							94.30				
77	3 28	720	.363	.080	1.430	.266		.733		174.00	79.70	5.18		642.
77	3 28	1100	.448	.091	1.200	.421		.805		247.00	76.70	6.49		611.
77	3 29	715	.554	.103	1.190	.418		.975		205.00	75.40	5.44		576.
77	3 29	1330	.263	.066	1.200	.349		1.208		99.60	74.50	5.84		566.
77	3 29	1331	.239	.092	1.800	1.110		.865		92.20	74.50	5.59		560.
77	3 30	730	.213							47.40				
77	3 31	730	.223							48.20				
77	4 1	730	.295							83.30				
77	4 2	125	.715	.061	.840	.240				53.00	91.30	4.78		538.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04200000

SAMPLING DATE VR MO DY MRS.	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMMO
77	4	2 1045	3520.							830.00				
77	4	2 1706	4934.	.032	.724	.060				745.00	89.10	5.00		520.
77	4	2 2042	5051.	.021	.000	.003				622.00	73.30	5.27		451.
77	4	3 10	7080.	.023	.020	.003				579.00	67.40	5.35		434.
77	4	3 1000	5940.	.040	.062	.003				292.00	69.40	5.53		432.
77	4	3 1045	5440.							400.00				
77	4	3 1300	5040.	.054	.040	.010				230.00	69.40	5.44		450.
77	4	3 1350	4052.	.015	.072	.003				192.00	76.10	5.39		453.
77	4	3 2015	3010.	.036	.930	.003				145.00	72.40	5.24		450.
77	4	3 2350	3501.	.040	.970	.107				125.00	70.90	5.17		459.
77	4	4 730	3240.							196.00				
77	4	4 1115	3047.	.046	.095	.170				97.00	75.10	5.11		452.
77	4	4 1010	3132.	.049	.060	.090				237.00	70.60	5.15		507.
77	4	5 730	3620.							270.00				
77	4	5 1145	3945.	.029	.692	.133				243.00	103.00	5.41		545.
77	4	5 1035	3374.	.037	.725	.077				109.00	102.00	5.13		520.
77	4	5 2300	3130.	.070	.010	.192				110.00	103.00	5.13		542.
77	4	6 715	2070.							151.00				
77	4	6 1000	2000.	.042	.004	.100				59.00	01.30	4.01		470.
77	4	7 725	2320.							107.00				
77	4	7 1010	2320.	.019	.000	.105				51.00	103.00	4.72		555.
77	4	7 1255	2240.	.020	.060	.157				57.00	102.00	4.66		540.
77	4	7 1443	2204.	.045	.052	.175				43.00	101.00	4.70		530.
77	4	7 1700	2169.	.040	.775	.176				37.00	02.60	4.54		510.
77	4	7 1755	2163.	.037	.010	.147				30.00	76.40	4.61		510.
77	4	8 725	1900.							02.20				
77	4	9 1045	1500.							65.00				
77	4	11 725	1220.							121.00				
77	4	12 725	1090.							40.30				
77	4	13 720	1020.							64.50				
77	4	13 1230	1020.	.149	2.620	.112		1.670		70.40	00.70	4.53		640.
77	4	10 1940	905.							34.40				
77	4	15 1020	722.							29.90				
77	4	16 1905	641.							21.70				
77	4	20 730	460.							90.40				
77	4	23 1045	1570.							21.10				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04288880

SAMPLING TIME DATE YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 4 25 732	1340.	.359							144.00				
77 4 26 728	1340.	.398							130.08				
77 4 27 735	1308.	.296							50.58				
77 4 27 830	1295.	.306	.120	2.800	.037		1.070		44.90	84.20	5.93		698.
77 4 27 831	1295.	.283	.152	1.980	.087		.478		46.10	78.20	5.38		781.
77 4 28 733	1268.	.259							54.30				
77 4 28 745	1268.	.731							142.00				
77 4 30 1009	1048.	.279							56.10				
77 5 2 1715	982.	.291							42.90				
77 5 3 730	1180.	.556							76.48				
77 5 5 730	1370.	.425							143.00				
77 5 5 730	1370.	.481							115.80				
77 5 6 730	1058.	.299							51.20				
77 5 7 1044	867.	.237							25.10				
77 5 9 735	641.	.191							11.70				
77 5 10 735	576.	.328							39.90				
77 5 11 747	523.	.434							32.90				
77 5 12 730	477.	.430							14.00				
77 5 13 1300	443.	.303	.180	2.230	.054		.750		12.80	91.40	5.28		861.
77 5 13 1301	443.	.327	.216	3.140	.029		.558		9.80	96.60	5.07		845.
77 5 13 1615	443.	.356							9.60				
77 5 14 1435	401.	.667							15.30				
77 5 16 720	389.	.480							25.60				
77 5 17 720	307.	.385							8.40				
77 5 17 1017	322.	1.140	.824	3.520	.465				26.00	195.80	5.46		1488.
77 5 18 734	292.	.558							7.50				
77 5 20 730	286.	.759							8.40				
77 5 21 950	269.	.778							2.80				
77 5 23 715	239.	.633							14.00				
77 5 24 740	407.	.905							130.00				
77 5 24 1330	407.	.698	.254	3.150	.168		1.400		145.00	122.00	4.88		1174.
77 5 24 1331	407.	.681	.397	2.870	.014				214.00	128.00	7.08		1216.
77 5 25 730	394.	.853							44.50				
77 5 26 735	246.	.688							8.70				
77 5 26 2330	219.	.430	.335	3.260	.760				14.00	306.00	5.13		1080.
77 5 27 1705	212.	.672							4.30				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208000

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	5	28	950	194.						2.80				
77	5	29	729	.934						14.40				
77	5	30	1025	.698						2.80				
77	5	31	735	.635						6.40				
77	6	1	720	.671						25.10				
77	6	2	730	.550						11.10				
77	6	3	730	.659						11.20				
77	6	4	1115	.583						5.10				
77	6	6	735	.724						6.10				
77	6	6	1645	.788						85.00	196.00	8.69		517.
77	6	6	1715	.749						77.00	190.00	8.50		499.
77	6	6	2145	.690						127.00	165.00	8.02		458.
77	6	7	725	.808						65.10				
77	6	7	930	.545						40.00	144.00	7.96		412.
77	6	7	1000	.514						20.00	144.00	7.96		411.
77	6	7	1430	.538						3.00	148.00	8.66		424.
77	6	7	1500	.540						35.00	152.00	7.92		417.
77	6	7	1530	.535						14.00	146.00	7.71		410.
77	6	8	400	.528						19.00	155.00	7.61		419.
77	6	8	726	.678						3.20				
77	6	8	915	.613						8.00	144.00	8.60		413.
77	6	8	945	.594						30.00	150.00	8.60		424.
77	6	8	1015	.548						21.00	139.00	8.56		409.
77	6	8	1230	.580						6.00	132.00	8.82		405.
77	6	8	1300	.560						10.00	131.00	8.74		402.
77	6	8	1330	.595						8.00	132.00	8.68		404.
77	6	8	1400	.505						2.00	131.00	8.55		398.
77	6	8	1430	.489						6.00	130.00	8.66		397.
77	6	8	1500	.545						5.00	126.00	8.60		399.
77	6	8	1530	.505						3.00	127.00	8.55		399.
77	6	8	1600	.535						5.00	126.00	8.55		402.
77	6	8	1630	.610						8.00	104.00	8.07		985.
77	6	8	1631	.587						7.70	108.00	8.40		971.
77	6	9	725	.963						149.00				
77	6	10	724	.963						203.00				
77	6	11	925	.415				1.030		13.50				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 94208000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	6 13	715	.621							20.30				
77	6 14	730	.836							21.40				
77	6 15	725	.866							12.30				
77	6 16	730	.862							18.60				
77	6 17	730	.750							12.50				
77	6 19	1107	.376							36.20				
77	6 20	720	.503							25.30				
77	6 21	720	.541							8.60				
77	6 22	725	.747							17.60				
77	6 23	727	.689							4.90				
77	6 26	1110	.687							7.90				
77	6 27	725	.564							6.10				
77	6 28	745	.592							9.60				
77	6 29	730	1.130							314.00				
77	6 30	720	.643							162.00				
77	7 1	730	.758	.213	1.440	.420		3.670		486.00	82.80	9.09		662.
77	7 2	1050	.446							67.60				
77	7 3	715	.693							13.40				
77	7 4	925	.719							272.00				
77	7 5	720	.516							111.00				
77	7 6	735	.475							18.40				
77	7 6	1330	.518	.393	2.510	.042		.500		9.10	121.00	10.40		1029.
77	7 7	730	.697							44.90				
77	7 8	730	1.200	.356	1.390	.027		1.020		728.00	86.70	9.50		740.
77	7 9	735	.388							34.30				
77	7 10	950	.561							44.70				
77	7 11	709	.516							16.30				
77	7 12	725	.651							59.90				
77	7 13	726	.835	.226	.690	.346				556.00	82.50	7.38		643.
77	7 14	740	.566							31.90				
77	7 15	1019	.519							18.40				
77	7 17	1100	.857							357.00				
77	7 18	1706	.459							180.00				
77	7 19	735	.565							114.00				
77	7 19	1230	.790							385.00				
77	7 19	1231	.783	.317	2.350	.014		.950		401.00	101.00	8.74		805.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	7 20	730	696.	.531	.254	2.280	.012	1.100		204.00	106.00	10.40		814.
77	7 21	730	486.	.585						94.60				
77	7 22	745	524.	.586						113.00				
77	7 24	1005	330.	.570						21.00				
77	7 25	730	833.	.884	.247	2.750	.536	2.130		627.00	123.00	9.44		1038.
77	7 26	732	662.	.627	.342	2.400	.166	1.170		135.00	109.00	9.34		807.
77	7 27	745	452.	.531						44.10				
77	7 28	735	327.	.572						35.00				
77	7 29	725	306.	.657						15.10				
77	7 31	1225	363.	.672						140.00				
77	8 1	725	387.	.689						71.70				
77	8 2	730	316.	.738						34.70				
77	8 2	1530	316.	.660						27.20				
77	8 3	725	300.	.689						17.80				
77	8 4	745	293.	.729						15.60				
77	8 5	732	360.	.939	.272	.820	.645	1.010		250.00	110.00			1431.
77	8 6	1050	769.	.931	.263	1.420	.119	2.500		121.00				
77	8 7	1100	1480.	1.020						516.00	84.50			928.
77	8 8	717	739.	.697						267.00				
77	8 10	720	816.	.417						24.30				
77	8 11	730	985.	.625	.090	1.000	.060	3.410		287.00	44.00			723.
77	8 12	730	1530.	.987						602.00				
77	8 13	1035	1120.	.409						76.00				
77	8 14	1140	3160.	.923	.144	1.020	.014	4.020		809.00	75.70			456.
77	8 15	720	1040.	.397	.221	2.530		1.260		132.00	109.00			656.
77	8 16	730	890.	.410						101.00				
77	8 16	1130	889.	.404	.299	.840				64.70	42.00			842.
77	8 16	1130	889.	.415	.234	2.730	.049	.916		60.50	104.00	9.66		814.
77	8 17	730	1080.	.652						114.00				
77	8 18	735	790.	.395						61.20				
77	8 19	730	665.	.395						43.40				
77	8 20	1015	555.	.375						27.10				
77	8 22	720	1740.	1.040						693.00				
77	8 23	730	1050.	.485						100.00				
77	8 24	735	726.	.567						102.00				
77	8 25	730	559.	.401						29.70				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04208000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	8 26	730	.360							13.70				
77	8 27	835	.411							15.10				
77	8 29	715	.512							7.70				
77	8 30	720	.555							27.70				
77	8 30	1230	.514							35.00				
77	8 30	1230	.526							6.20				
77	8 31	726	.686							11.00				
77	9 1	730	.642							8.30				
77	9 2	730	.696							8.90				
77	9 5	935	.529							8.60				
77	9 6	730	.577							6.20				
77	9 7	720	.750							8.90				
77	9 8	735	.841							11.00				
77	9 9	1645	.665							6.00				
77	9 12	1030	.631							6.20				
77	9 13	1030	.563							9.40				
77	9 13	1100	.725							12.10	137.00	9.35		1211.
77	9 13	1101	.690			.028		1.280		13.60	122.00	8.54		1235.
77	9 13	1130	1.020			.059		1.280		142.00				
77	9 13	1145	.450							143.00				
77	9 14	1145	.458							60.60				
77	9 17	1150	.689							403.00	87.40	7.83		768.
77	9 18	1025	.344			.058		.777		76.00	84.00	8.00		709.
77	9 19	730	.507			.062		2.260		256.00	84.40	8.30		722.
77	9 20	730	.473			.137		1.190		113.00				
77	9 21	720	.503							103.00				
77	9 22	725	.314							49.90				
77	9 23	730	.338							30.90				
77	9 25	1345	.350							45.70				
77	9 26	725	.399							47.40				
77	9 27	725	.343							11.30				
77	9 28	720	.393							10.60				
77	9 29	735	.310							8.00				
77	9 30	730	.369							7.00				
77	10 1	745	.496							60.90				
77	10 1	1020	.341							6.30				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 84208000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTH0 PHOS. MG/L	NO-2 NO-3 MG/L	MH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLD RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 10 3 730	546.	.480							45.80				
77 10 5 730	534.	.481							10.30				
77 10 6 730	530.	.379							10.10				
77 10 6 732	530.	.321							6.20				
77 10 7 727	507.	.368							10.30				
77 10 9 1445	1000.	.829							225.00				
77 10 10 725	789.	.315							52.00				
77 10 11 930	713.	.409							26.60				
77 10 11 930	713.	.418							20.00				
77 10 12 730	605.	.409							9.10				
77 10 13 715	566.	.341							6.40				
77 10 14 715	543.	.377							3.40				
77 10 15 1530	526.	.363							.50				
77 10 17 725	620.	.405							14.40				
77 10 18 730	551.	.294							5.60				
77 10 19 720	508.	.514							11.60				
77 10 20 720	493.	.438							3.50				
77 10 21 1330	478.	.305							7.60				
77 10 21 1531	478.	.293											
77 10 21 1650	478.	.309											
77 10 23 1030	298.	.394											
77 10 24 725	275.	.449											
77 10 25 730	270.	.490											
77 10 26 720	339.	.696											
77 10 27 730	431.	.788											
77 10 28 730	428.	.458											
77 10 30 815	282.	.582											
77 10 31 735	275.	.419											
77 11 1 730	293.	.561											
77 11 3 730	387.	.559											
77 11 4 715	460.	.520											
77 11 5 1005	453.	.498											
77 11 7 735	1490.	1.520											
77 11 9 725	636.	.556											
77 11 10 725	1160.	.364											
77 11 10 1100	417.	.678											
			.336	1.030	.294		2.560				6.57		863.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CUYAHOGA RIVER

STREAM : CUYAHOGA RIVER

LOCATION W/CODE : AT INDEPENDENCE, OHIO

USGS NO. 04200000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	11	10	1100.	.648						126.00				
77	11	11	735	.519						131.00				
77	11	13	1135	.422						65.00				
77	11	14	720	.208						34.00				
77	11	16	740	.516						142.00				
77	11	17	730	.899	.153	.077	.025	2.330		554.00	57.70	7.36		545.
77	11	18	733	.408						219.00				
77	11	19	845	.328						91.00				
77	11	21	720	.203						92.70				
77	11	22	730	.358						123.00				
77	11	23	730	.277						69.10				
77	11	25	720	.276						54.10				
77	11	26	1315	.320						53.90				
77	11	27	1118	.296						26.40				
77	11	28	730	.311						21.10				
77	11	29	735	.320						20.80				
77	11	30	735	.319						28.00				

EUCLID CREEK
NEAR
EUCLID, OHIO

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : EUCLID CREEK

STREAM : EUCLID CREEK

LOCATION W/CODE : NEAR EUCLID, OHIO

USGS NO. 04208690

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	7	8	1201	14.	.197	.780	1.000	.618		51.00	56.90			503.
77	7	28	1200	12.	.054					13.10				
77	7	29	1200	175.	.785	.400	.482	2.860		1299.00	31.10	4.52		246.
77	7	30	2100	72.	.181					21.10				
77	7	31	955	28.	.414					156.00				
77	8	1	1100	54.	.226					76.50				
77	8	1	1600	54.	.214					67.30				
77	8	1	2100	54.	.174					19.30				
77	8	2	1200	23.	.192	.540	.115	.783		58.00	59.50	4.29		480.
77	8	6	1300	93.	.435	1.250	.012	1.320		304.00	49.20			488.
77	8	6	2015	93.	.282					53.60				
77	8	8	1930	166.	.378	1.210	.011	1.050		227.00	26.90			294.
77	8	9	1800	37.	.218					15.70				
77	8	18	930	168.	.187	.070	.059	1.820		12.50				
77	8	18	1330	168.	.617					631.00	25.90			298.
77	8	11	230	201.	.192					18.10				
77	8	11	900	201.	.194					13.10				
77	8	11	1930	201.	.171					38.60				
77	8	12	930	258.	.221					109.00				
77	8	12	1230	258.	.219					41.80				
77	8	12	1530	258.	.186					32.30				
77	8	14	900	72.	.221					44.70				
77	8	14	1330	72.	.202					27.50				
77	8	14	2000	72.	.192					10.00				
77	8	15	230	27.	.263					68.00				
77	8	15	900	27.	.169					7.20				
77	8	17	1045	48.	.242	1.400	1.000	.640		38.60	51.80			467.
77	8	17	1045	48.	.336					42.10				
77	8	17	1046	48.	.293	1.490	.111	1.130		34.00	51.80	8.86		465.
77	8	17	1930	48.	.340					48.30				
77	8	19	1200	20.	.113					6.50				
77	8	19	1700	20.	.029					97.50				
77	8	19	2130	20.	.144					8.50				
77	8	20	1200	21.	.112					7.50				
77	8	21	1200	41.	.180					15.90				
77	8	22	1030	37.	.224					10.30				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : EUCLID CREEK

STREAM : EUCLID CREEK

LOCATION W/CODE : NEAR EUCLID, OHIO

USES NO. 04208690

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	8 22	1630	.212							11.90				
77	8 24	1430	.132							10.80				
77	8 25	900	.120							6.10				
77	8 25	2000	.073							5.30				
77	8 29	930	.093							14.60				
77	8 29	1400	.179							33.00				
77	8 29	1900	.578							143.00				
77	8 30	1200	.340							75.40				
77	8 31	1030	.300							57.10				
77	8 31	1030	.303							65.10				
77	8 31	1000	.406							87.30				
77	9 1	930	.089							13.80				
77	9 1	1300	.059							8.10				
77	9 1	1800	.085							14.80				
77	9 2	1200	.543							78.80				
77	9 5	1200	.131							14.00				
77	9 8	1030	.280							32.60				
77	9 12	1300	.054							27.80				
77	9 14	1400	.247							23.80				
77	9 14	1401	.232	.091	1.320	.063		.977		29.38	62.00	5.64		487.
77	9 14	1500	.858	.135	1.570	.060		.632		173.00	50.00	6.56		496.
77	9 14	1600	.159	.360	1.710	.060		1.460		23.90	68.00			632.
77	9 14	1600	.510							97.90				
77	9 15	1300	.163							25.20				
77	9 15	1930	.263							27.60				
77	9 16	1000	.299							48.20				
77	9 17	1045	.494	.099	1.720	.049		.807		497.00	38.30	6.69		340.
77	9 17	1345	.483	.114	1.710	.053		1.680		473.00	39.70	6.51		334.
77	9 17	1540	.507	.092	1.820	.051		1.830		485.00	38.10	6.77		338.
77	9 19	900	.240	.098	1.640	.052		.574		22.00	58.90	7.72		566.
77	9 19	1400	.171							9.90				
77	9 19	1900	.790							595.00				
77	9 20	930	.258							21.40				
77	9 20	1300	.224							20.10				
77	9 22	930	.173							19.40				
77	9 24	930	.124							24.60				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : EUCLID CREEK

STREAM : EUCLID CREEK

LOCATION W/CODE : NEAR EUCLID, OHIO

USGS NO. 04208690

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLOR RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 9 26	1700	30.	.165							25.00				
77 9 26	1701	30.	.171							11.50				
77 9 29	1600	25.	.178							16.10				
77 10 1	1030	40.	.262							26.10				
77 10 2	1030	50.	.249							25.20				
77 10 3	1645	34.	.199							9.60				
77 10 6	850	34.	.175							13.50				
77 10 7	930	25.	.121							8.20				
77 10 9	930	82.	.325							95.30				
77 10 9	1545	82.	.252							25.60				
77 10 10	900	367.			.180	.432					34.10	1.27		
77 10 10	1230	24.	.272							33.40				
77 10 10	1500	25.	.236							10.10				
77 10 10	1845	24.	.251							16.00				
77 10 13	900	10.	.200							22.30				
77 10 13	1430	24.	.213							45.40				
77 10 13	1431	24.	.177							19.60				
77 10 16	945	29.	.790							256.00				
77 10 16	1545	35.	.279							24.20				
77 10 17	945	43.	.315							43.00				
77 10 20	1000	18.	.214							15.50				
77 10 21	1630	18.	.156							10.00				
77 10 21	1630	22.	.149							13.20				
77 10 27	945	24.	.102							16.50				
77 10 31	915	21.	.119							46.40				
77 10 31	1330	26.	.558							124.00				
77 11 2	1700	16.	.068							8.00				
77 11 3	900	16.	.036							9.00				
77 11 3	1200	16.	.096							24.50				
77 11 3	1700	16.	.130							23.90				
77 11 5	1630	19.	.135							25.30				
77 11 7	930	303.	.630							480.00				
77 11 7	1715	73.	.348							72.90				
77 11 8	1030	39.	.511							132.00				
77 11 8	1030	39.	.784							248.00				
77 11 8	1030	40.	.774							240.00				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : EUCLID CREEK

STREAM : EUCLID CREEK

LOCATION W/CODE : NEAR EUCLID, OHIO

USGS NO. 04268690

SAMPLING DATE	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77 11 10	1600	191.	.361							124.00				
77 11 14	945	34.	.209							14.00				
77 11 17	1600	115.	.211	.158	1.198	.032				20.00	40.70	7.41		383.
77 11 17	1600	179.	.199							60.20				
77 11 21	1630	38.	.204							12.98				
77 11 24	1630	23.	.154							13.98				
77 11 28	930	70.	.372							124.00				
77 11 28	1630	25.	.383							144.00				
77 12 14	1645	1400.	.389	.021	1.240	.019		1.130		526.00	72.70	5.56		428.
77 12 29	1130	68.	.574		1.450	.059		1.200		226.00	112.00	2.34		826.
78 1 5	1000	27.	.224		1.830	.038		.340		22.50	159.00	7.06		1378.
78 3 10	1520	38.	.299		2.760	.024		1.050		48.30	559.00	6.16		2000.
78 3 13	1330	214.	.530	.056	2.860	.019		1.750		321.00	353.00	7.85		1299.
78 3 14	1450	1287.	.580	.049	2.270	.034		2.580		668.00	81.70	5.45		445.
78 3 15	1000	189.	.386	.050	2.320	.025		1.260		227.00	129.00	7.26		615.
78 3 16	1300	189.	.168	.019	2.050	.013		.500		57.70	166.00	7.67		759.
78 3 17	1200	70.	.115	.010	2.030	.020		.410		32.10	231.00	8.01		959.
78 3 17	1800	38.	.153		1.710	.107		.069		21.00	163.00	7.37		932.
78 3 19	1100	57.	.176	.012	1.840	.031		.430		16.20	224.00	8.29		995.
78 3 20	1330	58.	.144	.015	1.700	.014		.035		18.60	152.00	8.06		757.
78 3 21	1030	189.	.206	.034	1.830	.026		.780		100.00	144.00	9.97		682.
78 3 22	1200	85.	.211	.010	1.810	.022		.082		120.00	140.00	7.08		710.
78 3 23	1100	57.	.783		1.070	.202		5.620		314.00	83.30	3.24		608.
78 3 25	1030	57.	.204	.010	1.590	.024		.790		81.10	203.00	7.31		903.
78 3 26	1200	70.	.178	.026	1.650	.015		.570		43.20	170.00	7.77		820.
78 3 27	1040	165.	.170	.032	1.460	.014		.700		60.70	81.70	8.00		526.
78 3 29	1600	43.	.149	.010	1.730	.020		.520		17.20	149.00	7.58		807.
78 3 30	900	37.	.135		1.600	.038		.370		17.20	162.00	7.88		865.
78 4 1	930	34.	.143		1.590	.089		.490		37.10	176.00	5.56		823.
78 4 2	900	31.	.158		1.370	.140		.550		20.80	162.00	6.19		906.
78 4 3	1000	121.	.217	.029	1.690	.042		.900		56.10	77.20	6.68		509.
78 4 3	1400	165.	.215	.032	1.470	.020		.970		67.60	76.90	6.33		488.
78 4 3	1700	189.	.225	.039	1.800	.019		1.020		60.40	70.10	7.11		500.
78 4 4	1430	62.	.377	.013	1.810	.047		1.320		172.00	142.00	7.49		753.
78 4 4	1940	822.	.886	.055	1.330	.023		4.890		1111.00	62.10	7.32		454.
78 4 5	1600	70.	.187	.013	1.750	.038		.900		56.10	78.00	8.05		551.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : EUCLID CREEK

STREAM : EUCLID CREEK

LOCATION W/CODE : NEAR EUCLID, OHIO

USGS NO. 04208690

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
78	4	5	2110	57.	.196			.930		48.90	82.20	7.26		598.
78	4	9	1000	70.	.293			.930		43.50	137.00	7.12		808.
78	4	10	1340	34.	.232			1.230		27.40	140.00	7.28		818.
78	4	11	1030	68.	.310			2.090		71.50	98.00	6.44		700.
78	4	11	1400	133.	.282			1.080		60.30	86.80	5.21		599.
78	4	11	1630	76.	.233			.880		39.40	90.40	5.95		633.
78	4	12	1400	38.	.314			1.900		163.00	86.10	7.99		896.
78	4	15	1000	27.	.082			.430		9.30	104.00	4.58		836.
78	4	17	930	38.	.098			.450		21.50	84.20	3.29		708.
78	4	18	1500	121.	.404			.880		56.60	111.00	4.41		865.
78	4	19	1530	46.	1.078			4.320		419.00	45.90	2.81		442.
78	4	19	1945	1686.	1.770			5.880		2596.00	44.78	6.56		391.
78	4	20	900	731.	.467			1.060		311.00	35.90	5.98		317.
78	4	20	1838	160.	.205			.670		70.00	45.30	7.17		378.
78	4	21	930	79.	.142			.640		25.50	67.80	7.10		545.
78	4	21	1300	87.	.121			.600		17.50	68.30	7.49		549.
78	4	22	1340	47.	.164			.600		34.30	76.60	6.67		597.
78	4	23	1400	43.	.239			1.200		57.50	76.40	6.77		623.
78	4	24	1530	38.	.356			1.130		127.00	80.40	4.42		648.
78	4	25	1445	31.	.150			1.810		170.00	89.40	5.91		721.
78	4	26	900	34.	.194			.640		43.40	85.70	3.91		701.
78	4	27	1540	31.	.769			2.430		179.00	93.30	3.86		754.
78	4	28	1400	18.	.330			1.790		92.00	73.10	4.51		604.
78	4	29	900	24.	.104			.640		17.90	96.00	6.56		782.
78	4	30	930	24.	.082			.360		21.60	96.30	7.37		786.
78	5	1	1045	23.	.098			.420		23.30	97.10	3.98		788.
78	5	2	930	39.	.221			.960		58.60	79.50	1.72		653.
78	5	3	1220	24.	.200			1.960		58.50	64.10	1.87		574.
78	5	4	1510	23.	.137			.510		20.00	95.60	3.79		775.
78	5	5	1230	32.	.122			.380		20.90	94.20	5.19		757.
78	5	5	1930	35.	.237			.910		44.20	86.70	4.98		689.
78	5	6	900	29.	.117			.440		15.00	98.40	6.30		793.
78	5	6	1300	31.	.106			.710		14.40	98.90	5.44		797.
78	5	7	1600	24.	.176			5.800		52.80	89.30	1.67		714.
78	5	8	900	49.	1.510			.560		644.00	49.60	1.01		476.
78	5	8	1900	23.	.196			10.200		47.40	101.00	2.21		811.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : EUCLID CREEK

STREAM : EUCLID CREEK

LOCATION W/CODE : NEAR EUCLID, OHIO

USGS NO. 84208690

SAMPLING DATE	TIME 2400 YR MO DY MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
78	5 11 930	35.	.890					1.310		998.00	67.30	2.16		613.
78	5 12 1900	189.	.425	.081	1.540	.103		.690		180.00	64.90	3.15		506.
78	5 13 1100	77.	.230	.045	1.450	.137		1.280		72.40	70.50	6.40		532.
78	5 13 1300	111.	.445	.097	1.620	.112		2.070		197.00	65.80	5.36		508.
78	5 13 1620	109.	.466	.048	.630	.488		.940		408.00	53.20	7.24		449.
78	5 13 2030	142.	.383	.062	1.260	.060		.650		93.00	51.30	7.72		427.
78	5 14 1000	62.	.258	.029	1.320	.052		.910		77.50	62.60	8.67		531.
78	5 14 1830	49.	.234	.020	1.270	.071		1.020		26.60	70.70	7.07		577.
78	5 15 1000	85.	.269		1.420	.080		.820		85.40	63.80	6.22		526.
78	5 16 1035	54.	.295		1.270	.056		.800		56.10	76.60	5.43		596.
78	5 17 930	60.	.478		1.230	.064		1.410		156.00	83.78	4.25		667.
78	5 19 1100	31.										1.28		638.
78	5 20 900	23.										3.45		847.
78	5 20 2000	402.										4.67		448.
78	5 21 1130	68.										5.15		414.
78	5 22 1530	27.										3.87		615.
78	5 23 915	24.										3.44		685.
78	5 23 1945	42.										3.83		588.
78	5 24 915	85.										5.49		395.
78	5 24 1800	78.										6.14		489.
78	5 25 900	35.										5.25		537.
78	5 26 930	25.										6.70		651.
78	5 27 1330	24.										4.01		692.
78	5 28 1230	19.										2.89		742.
78	5 29 930	22.										5.05		681.
78	5 29 1700	31.										5.57		759.
78	6 1 930	23.										5.43		705.
78	6 3 1530	21.										5.26		749.
78	6 5 1545	23.										3.63		568.
78	6 6 2030	37.										2.15		639.
78	6 7 930	25.										5.31		637.
78	6 7 1500	102.										5.36		505.
78	6 7 1930	309.										6.09		409.
78	6 9 1700	23.										5.81		691.
78	6 11 1000	19.										12.30		1427.

**CHAGRIN RIVER
AT
WILLOUGHBY, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04209000

SAMPLING TIME DATE 2400 YR MO DY MRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75 2 23 160	632.	648.0	311.0	8.0	6.0		
75 2 23 200	830.						.11
75 2 23 300	1064.	567.0	369.0	8.0	7.0		.09
75 2 23 400	1228.						.07
75 2 23 500	1654.	541.0	295.0	8.0	7.0		.06
75 2 23 600	1750.						.08
75 2 23 700	2598.						.11
75 2 23 800	2083.						.06
75 2 23 900	3120.	745.0	287.0	9.0	7.0		.07
75 2 23 1000	3290.						.06
75 2 23 1100	3300.	1087.0	259.0	8.0	7.0		.08
75 2 23 1200	3168.						.11
75 2 23 1300	2973.						.06
75 2 23 1400	2810.	889.0	224.0	15.0	7.0		.07
75 2 23 1500	2667.						.05
75 2 23 1600	2560.						.07
75 2 23 1700	2460.	625.0	226.0	9.0	7.0		.05
75 2 23 1800	2352.						.07
75 2 23 1900	2199.						.05
75 2 23 2000	2142.	851.0	243.0	8.0	7.0		.07
75 2 23 2100	2126.						.05
75 2 23 2200	2174.						.07
75 2 23 2300	2568.	834.0	221.0	8.0	8.0		.05
75 2 23 2400	3080.						.07
75 2 24 100	3677.						.09
75 2 24 200	4500.						.09
75 2 24 300	5107.						.07
75 2 24 400	5184.						.09
75 2 24 500	5162.						.09
75 2 24 600	4997.	508.0	172.0				.09
75 2 25 100	1361.	605.0	213.0				.09
75 2 25 200	1200.	315.0	254.0	10.0	7.0		.09
75 2 26 100	1118.						.09
75 2 26 200	1052.						.09
75 2 26 300	986.						.09
75 2 26 400	920.	295.0	246.0				.09

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04209800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	2 26 1300	866.			7.0	6.0		
75	2 26 1600	824.						.07
75	2 26 1900	794.	374.0	214.0	7.0	6.0		
75	2 26 2200	776.						.07
75	2 27 100	746.						
75	2 27 400	716.	319.0	218.0	7.0	6.0		
75	2 27 700	674.						.08
75	2 27 1000	632.						
75	2 27 1300	590.	283.0	229.0	7.0	6.0		
75	2 27 1600	536.						.09
75	2 28 1400	390.	330.0	270.0	8.0	7.0		
75	5 21 1900	2487.	4625.0	305.0				
75	5 21 2000	2667.			24.0	13.0		
75	5 21 2200	1734.	2175.0	273.0				
75	5 21 2300	1750.			15.0	13.0		
75	5 22 100	1120.	2086.0	450.0			26.0	
75	5 22 300	982.						
75	5 22 400	928.	802.0	290.0				
75	5 22 700	1172.	1276.0	468.0			28.0	
75	5 22 900	1249.						
75	5 22 1000	1277.	1263.0	494.0				
75	5 22 1100	1298.			10.0	9.0		
75	5 22 1200	1305.					27.0	
75	5 22 1300	1193.	1096.0	250.0				
75	5 22 1500	1028.					27.0	
75	5 22 1600	968.	749.0	251.0				
75	5 22 1700	914.			10.0	10.0		
75	5 22 1800	854.					27.0	
75	5 22 1900	806.	559.0	245.0				
75	5 22 2000	776.			11.0	10.0		
75	5 22 2100	746.					28.0	
75	5 22 2200	686.	464.0	172.0				
75	5 22 2300	632.			22.0	16.0	29.0	
75	5 23 400	494.	336.0	228.0				
75	5 23 600	450.			10.0	13.0	23.0	
75	5 23 1000	380.	306.0	234.0				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04209000

SAMPLING TIME DATE 24:00 YR MO DY MRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75 5 23 1400	325.					25.0	
75 5 23 1600	295.	328.0	258.0				
75 5 23 1800	270.			14.0	10.0	29.0	
75 5 23 2000	251.					25.0	
75 5 23 2200	230.	423.0	363.0				
75 5 23 2400	226.			12.0	11.0	27.0	
75 5 24 000	196.	291.0	233.0				
75 5 24 060	198.			10.0	9.0	23.0	
75 5 24 1000	180.	314.0	270.0				
75 5 24 1200	175.			15.0	14.0	22.0	
75 5 24 1600	164.	316.0	284.0				
75 5 24 1800	161.			16.0	12.0	23.0	
75 5 24 2200	157.	323.0	287.0				
75 5 24 2400	154.			10.0	10.0	23.0	
75 5 25 000	147.	430.0	364.0			31.0	
75 5 25 600	147.			10.0	10.0	31.0	

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04209000

SAMPLING TIME				FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
DATE				CFS	PHOS.	PHOS.	NO-3	MG/L	NIT.	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	25C.
YR	MO	DAY	HRS.		MG/L	MG/L	MG/L		MG/L	MG/L		MG/L	MG/L			UMHO
75	2	23	100	632.								337.00				
75	2	23	200	830.				.100	.500		26.00					
75	2	23	300	1064.	.210	.010	.904					198.00				
75	2	23	400	1228.				.100	.600		40.00					
75	2	23	500	1654.												
75	2	23	600	1750.	.630	.010	.893					246.00				
75	2	23	700	2598.				.100	.700		38.00					
75	2	23	800	2883.			1.520									
75	2	23	900	3120.	.650	.010						458.00				
75	2	23	1000	3290.				.100	.600		40.00					
75	2	23	1100	3308.			.898									
75	2	23	1200	3168.	.760	.010						828.00				
75	2	23	1300	2973.				.100	.500		37.00					
75	2	23	1400	2010.			.869					665.00				
75	2	23	1500	2667.	.290	.010			.500		78.00					
75	2	23	1600	2568.				.100								
75	2	23	1700	2460.			.725					399.00				
75	2	23	1800	2352.	.320	.010										
75	2	23	1900	2199.				.100	.500		25.00					
75	2	23	2000	2142.			.698					608.00				
75	2	23	2100	2126.	.280	.010										
75	2	23	2200	2174.				.100	.500		47.00					
75	2	23	2300	2568.			.649					613.00				
75	2	23	2400	3000.	.420	.010										
75	2	24	100	3677.				.100	.600		36.00					
75	2	24	200	4500.			.680									
75	2	24	300	5107.	.280	.010		.100	.500		105.00					
75	2	24	400	5184.			.590									
75	2	24	500	5162.	.530	.010						326.00				
75	2	24	600	4997.								482.00				
75	2	24	1300	1361.												
75	2	24	1600	1361.			.575					61.00				
75	2	25	2200	1200.	.140	.020										
75	2	26	100	1118.												
75	2	26	400	1052.												
75	2	26	700	986.	.110	.020	.556	.100	.300		29.00					
75	2	26	1000	920.								49.00				

USGS NO. 04209000

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND
														25C. UMHO
75	2 26 1300	866.												
75	2 26 1600	824.	.180	.010	.616	.050	.400		25.00					
75	2 26 1900	794.								160.00				
75	2 26 2200	776.				.100	.100		20.00					
75	2 27 100	746.	.180	.010	.613									
75	2 27 400	716.				.100	.100		22.00	101.00				
75	2 27 700	674.												
75	2 27 1000	632.	.140	.020	.646					54.00				
75	2 27 1300	598.				.100	.100		17.00					
75	2 28 1000	398.	.190	.030	.766	.100	.100		15.00	60.00				
75	5 21 1900	2487.	.688		.720	.200	1.600	1.800	286.00	4320.00	43.00			354.
75	5 21 2000	2667.												
75	5 21 2100	2030.	.230	.050										
75	5 21 2200	1734.	.140		.750	.400	1.300	1.700	102.00	1902.00	35.00			271.
75	5 21 2300	1750.												
75	5 21 2400	1403.	.190											
75	5 22 100	1128.			1.170					1628.00	60.00			420.
75	5 22 300	902.	.160											
75	5 22 400	928.			.070					592.00	34.00			312.
75	5 22 700	1172.								800.00	44.00			400.
75	5 23 000	418.	.220	.060										
75	5 23 000	418.	.170	.030										
75	5 22 900	1249.	.150		.680	.200	1.600	1.800	150.00	769.00	33.00			359.
75	5 22 1000	1277.												
75	5 22 1100	1298.												
75	5 22 1200	1305.	.120	.030										
75	5 22 1300	1193.	.210		.670	.200	1.000	1.200	118.00	846.00	27.00			202.
75	5 22 1400	1100.												
75	5 22 1500	1028.	.090	.040										
75	5 22 1600	968.	.120		.670	.200	.900	1.100	109.00	498.00	32.00			202.
75	5 22 1700	914.												
75	5 22 1800	854.	.030	.040										
75	5 22 1900	606.	.080		.670	.100	1.100	1.200	51.00	314.00	28.00			202.
75	5 22 2000	776.												
75	5 22 2100	746.	.090	.060										
75	5 22 2200	686.	.140		.610					292.00	26.00			202.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04289000

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	5 22	2300	632.											
75	5 22	2400	596.	.090	.670	.100	.700	.000	45.00	100.00	27.00			290.
75	5 23	400	494.											
75	5 23	600	450.		.900	.100	.600	.700	32.00	72.00				302.
75	5 23	1000	380.	.050										
75	5 23	1400	325.		1.000	.100	.600	.700	20.00	70.00	34.00			352.
75	5 23	1600	295.											
75	5 23	1800	270.	.050	2.900	.100	.600	.700	24.00	60.00	35.00			353.
75	5 23	2000	251.											
75	5 23	2200	230.	.050	.250	.100	.600	.700	25.00	50.00	35.00			365.
75	5 24	200	214.											
75	5 24	400	196.	.050	.230	.100	.600	.700	25.00	44.00	35.00			397.
75	5 24	600	190.											
75	5 24	800	186.											
75	5 24	1000	180.	.150	.190	.100	.400	.500	19.00	32.00	35.00			370.
75	5 24	1200	175.											
75	5 24	1400	170.	.050	.200	.100	.500	.700	15.00	36.00	36.00			403.
75	5 24	1600	164.											
75	5 24	1800	161.	.170	.370	.100	.600	.700	12.00	66.00	34.00			491.
75	5 24	2000	157.											
75	5 24	2200	154.	.024	.560	.046				46.20		7.07		512.
75	5 25	200	150.	.024	.400	.020				5.60	36.30	7.71		466.
75	5 25	400	147.	.010	.630	.054				5.50	31.60	7.77		497.
75	5 25	600	147.	.010	.600	.070				3.70	31.20	8.42		541.
76	12 25	1300	227.	.020	.620	.047				2.40	57.00	8.56		569.
76	12 26	1300	214.	.016	.620	.047				3.50	57.90	7.76		730.
76	12 31	1600	130.	.027	.930	.207		.250						
77	1 6	1231	130.	.097				.207						
77	1 6	1231	130.											
77	1 7	1500	130.											
77	2 17	900	300.	.094	1.040	.114		.173		11.60	134.00	7.79		905.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04209800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	S102 MG/L	IRON MG/L	COND 25C. UMHO
77	2 17	930	.094	.062	1.440	.114		.470		11.60	128.00	7.79		905.
77	2 24	1400	.783	.112	1.520	.394		3.060		1343.00	105.00	6.61		497.
77	2 24	1730	1.260	.093	1.550	.319		3.600		2191.00	97.40	6.40		404.
77	2 25	1400	.548	.129	1.460	.464		1.200		854.00	109.00	6.68		345.
77	3 1	800	.114	.108	1.340	.419		.330		82.50	99.90	6.68		432.
77	3 1	1100	.090	.044	1.060	.136		.650		65.20	80.50	7.09		513.
77	3 3	1100	.177	.042	1.240	.059		.530		25.00	80.40	7.65		535.
77	3 4	1600	.236							252.00				
77	3 7	800	.080							28.90				
77	3 9	800	.069							17.60				
77	3 10	800								26.10				
77	3 12	1015	.030	.012	.760	.010				10.00	61.50	5.50		404.
77	3 14	800	.196							146.00				
77	3 15	1100	.161	.042	.850	.110		.760		18.00	65.70	7.63		423.
77	3 15	1101	.142	.073	1.100	.137		1.070		85.00	64.10	6.66		430.
77	3 16	800	.114							47.70				
77	3 16	745	1.060	.088	1.190	.277		5.090		2007.00	67.00	6.13		424.
77	3 18	900	1.030	.076	1.170	.138		4.420		1647.00	63.90	6.28		380.
77	3 18	1115	.819	.057	1.120	.122		3.890		1446.00	60.40	5.89		373.
77	3 18	1315	.882	.052	1.080	.085		.300		1319.00	60.28	6.07		395.
77	3 18	1315	.882	.052	1.080	.085		3.680		1319.00	60.20	6.07		395.
77	3 18	1335	.260	.049	.850	.003				1639.00	28.10	4.49		297.
77	3 19	9	.460	.014	.829	.003				757.00	28.90	4.84		289.
77	3 19	743	.118	.015	.792	.003				1029.00	29.80	5.06		285.
77	3 19	1002	.423	.020	.809	.003				674.00	29.60	5.16		284.
77	3 19	1201	.262	.006	.830	.011				441.00	32.60	5.32		289.
77	3 19	1421	.150	.011	.830	.007				339.00	32.60	5.44		298.
77	3 19	1804	.160	.023	.860	.003				268.00	39.60	5.63		340.
77	3 19	1931	.146	.016	.872	.003				297.00	39.10	5.83		341.
77	3 19	2039	.110	.004	.842	.010				153.00	35.40	5.86		341.
77	3 19	2213	.142	.030	.855	.010				167.00	42.70	5.64		340.
77	3 20	1036	.128	.003	.798	.010				302.00	44.10	5.82		364.
77	3 20	1204	.102	.006	.835	.013				195.00	43.40	5.92		372.
77	3 20	2014	.175	.017	.790	.010				226.00	42.40	5.59		337.
77	3 21	912	.062	.017	.782	.010				117.00	39.10	5.76		330.
77	3 22	37	.081	.017	.789	.003				158.00	35.10	6.07		350.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

USGS NO. 04209000

LOCATION W/CODE : AT WILLOUGHBY, OHIO

SAMPLING DATE	TIME	FLOW	TOTAL	ORTHO	NO-2	NH-3	ORG.	TOTAL	COD	SUSPEND	CHLO	SI02	IRON	COND
YR	MO	DAY	PHOS.	PHOS.	NO-3	MG/L	MG/L	KJELD	MG/L	SOLIDS	RIDE	MG/L	MG/L	2SC-
		HRS.	MG/L	MG/L	MG/L			MG/L		MG/L	MG/L			UNHO
77	3	22	103	.005	.834	.003				658.00	44.50	5.96		395.
77	3	22	.335	.063	1.030	.087		1.420		411.00	62.40	6.84		411.
77	3	23	.150	.081	1.070	.170		1.340		102.00	64.90	6.64		396.
77	3	23	.125	.013	.776	.003				127.00	46.00	5.98		374.
77	3	24	.085	.017	.760	.004				67.00	43.60	5.96		368.
77	3	24	.107	.085	1.050	.121		.710		54.10	65.40	6.51		401.
77	3	25	.035	.014	.794	.003		.730		34.00	34.70	6.24		398.
77	3	25	.091	.080	.990	.168				30.70	64.30	7.49		422.
77	3	26	.050	.013	.799	.003				34.00	43.40	6.33		432.
77	3	28	.243	.070	.910	.212		1.510		27.30	63.90	6.94		451.
77	3	29	.232	.084	.950	.100		1.470		145.00	63.40	6.63		399.
77	3	29	.204	.092	1.080	.146		1.490		149.00	66.20	7.59		388.
77	3	29	.104	.048	.790			.970		142.00	49.80	5.90		384.
77	4	1	.049	.031	.450	.029		.090		76.00	51.60	4.84		437.
77	4	2	.071	.006	.442	.060				402.00	60.50	4.49		409.
77	4	2	.139	.004	.590	.076				523.00	36.30	4.82		510.
77	4	2	.174	.017	.588	.003				1143.00	28.10	4.95		348.
77	4	3	.469	.085	.630	.120				606.00	27.70	5.47		326.
77	4	3	.360	.016	.648	.031				623.00	25.00	5.61		314.
77	4	3	.300	.026	.558	.003				247.00	25.00	5.25		282.
77	4	3	.174	.020	.544	.035				132.00	43.40	5.45		288.
77	4	3	.355	.300	.558	.012				190.00	26.40	5.77		341.
77	4	4	.314	.069	.570	.029				72.00	35.90	5.70		297.
77	4	4	.140	.053	.578	.003				90.00	36.90	5.71		331.
77	4	4	.135	.011	.595	.003				147.00	49.80	5.65		361.
77	4	4	.290	.115	.597	.003		.541		221.00	36.50	5.80		358.
77	4	5	.212	.047	.710	.019				221.00	36.50	6.17		401.
77	4	5	.286	.041	.610	.003				294.00	29.00	5.83		360.
77	4	5	.238	.040	.530	.012				196.00	34.40	5.62		332.
77	4	5	.225	.054	.495	.003				147.00	27.40	5.44		344.
77	4	5	.220	.045	.508	.003				115.00	29.40	5.39		334.
77	4	6	.153	.017	.500	.003				72.00	38.00	5.42		340.
77	4	6	.118	.021	.526	.003				95.00	93.20	5.37		356.
77	4	6	.094	.005	.570	.003				66.00	68.60	5.44		573.
77	4	7	.091	.017	.580	.003		.890		9.90	50.90	5.58		491.
77	4	12	.045	.023	.290	.049						3.56		470.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04209800

SAMPLING DATE YR MO DY	TIME 2400 MRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4 13	800	.029	.014	.080	.046				18.70	52.30	1.47		484.
77	4 13	801	.044		.550	.110		.200		5.90	64.80	5.20		498.
77	4 21	900	.088	.028	.270	.035		.470		17.20	59.40	2.65		537.
77	4 22	730	.110	.027	.220	.045		.180		5.60	62.10	3.27		559.
77	4 26	1000	.128	.039	.590	.055		.690		64.70	45.80	6.49		419.
77	4 26	1200	.121	.034	.570	.065		.610		82.80	45.80	6.16		421.
77	4 26	1201	.115		1.180	.048		.590		78.30	73.80	5.07		421.
77	4 27	1600	.069		1.090	.037		.380		19.30	71.00	4.74		414.
77	5 4	930	.053		.950	.037		.910		12.10	65.50	4.72		449.
77	5 5	745	.046		.930	.032		.340		75.10	66.20	5.61		478.
77	5 6	1600	.092		.910	.040		.930		38.60	66.70	5.92		435.
77	5 11	1700	.030		.950	.079		.100		6.20	69.40	5.31		488.
77	5 11	1701	.049		2.810	.083				2.00	68.40	4.20		503.
77	5 17	1815	.051	.002	.108	.003				1.00	48.00	5.50		528.
77	5 19	730	.059		2.580	.126				100.00	57.00	5.14		545.
77	5 24	930	.175		2.220	.083		.720		57.80	58.20	4.90		554.
77	5 24	1700	.114		2.100	.113		.070		17.50	58.78	4.82		572.
77	5 24	1701	.116		2.230	.335		3.340		21.70	91.48	6.36		588.
77	6 1	1600	.137		2.280	.341		1.100		63.80	91.58	6.64		496.
77	6 6	1335	.535	.033	1.100	.213				531.00	41.78	4.91		490.
77	6 6	1501	.525	.128	1.080	.158				419.00	48.38	4.83		452.
77	6 6	1600	.433	.419	2.090	.296		1.870		348.00	85.98	6.21		512.
77	6 6	1635	.325	.056	1.140	.150				298.00	33.80	4.85		487.
77	6 6	1747	.435	.280	1.070	.122				319.00	17.20	5.62		334.
77	6 6	1952	.250	.048	1.100	.073				188.00	41.70	4.64		373.
77	6 6	2154	.293	.040	1.060	.165				205.00	39.18	4.72		427.
77	6 7	25	.310	.051	1.080	.175				140.80	42.58	5.85		461.
77	6 7	121	.268	.050	1.090	.210				164.00	46.60	5.24		425.
77	6 7	932	.160	.150	1.030	.158				71.00	38.50	5.91		472.
77	6 7	1051	.140	.065	1.020	.137		.665		58.00	45.30	5.61		524.
77	6 7	1230	.149		2.230	.312		.700		37.30	90.50	6.55		561.
77	6 7	1231	.136	.084	1.090	.066				35.50	57.20	5.98		566.
77	6 7	1300	.165	.140	.990	.090				48.00	41.50	5.79		556.
77	6 7	1432	.165	.071	1.080	.176				40.00	52.80	5.63		533.
77	6 7	1523	.155	.085	1.110	.145				40.00	53.20	5.43		531.
77	6 7	1650	.218	.157	1.070	.145				41.00	52.60	5.68		534.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04209000

SAMPLING DATE	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	6	7	2150	124.	.095	.069	.962	.260		39.00	42.40	5.71		513.
77	6	7	2332	117.	.063	.010	.810	.008		50.00	35.60	6.13		300.
77	6	7	2356	117.	.185	.143	1.020	.129		44.00	52.30	5.09		543.
77	6	8	910	103.	.162	.135	.975	.062		38.50	53.00	4.61		557.
77	6	8	940	103.	.110	.071	.980	.154		49.00	54.10	4.54		510.
77	6	8	1016	103.	.061	.036	.814	.051		30.00	37.20	5.64		508.
77	6	13	1600	89.										1010.
77	6	17	1045	79.										547.
77	6	23	1600	117.										535.
77	6	29	1130	195.										462.
77	7	6	110	95.										538.
77	7	8	1200	290.	.516	.136	1.130	.062	1.640	431.00	47.90	6.57		453.
77	7	11	1325	830.	.302	.269	1.150	.025	.560	6.70	86.30	10.40		935.
77	7	11	1600	77.	.085	.058	.250	.011	.440	12.80	49.10	7.62		509.
77	7	13	800	938.	.743	.131	1.240	.030	1.270	766.00	45.50	6.92		395.
77	7	14	1845	186.	.184	.094	.680	.015	.450	97.90	44.60	10.80		437.
77	7	15	1600	103.	.126	.071	.560	.071	.620	47.40	43.60	8.53		460.
77	7	18	1600	129.	.165	.108	.780	.109	.270	53.20	48.10	9.37		475.
77	7	19	1400	283.	.167	.055	.530	.165	.500	148.00	54.10	7.18		505.
77	7	21	900	162.	.183	.091	.710	.057	.370	84.30	42.50	7.55		425.
77	7	21	901	162.	.200	.093	.730	.016	.590	77.00	42.60	7.23		424.
77	7	22	1600	114.	.124	.074	.480	.010	.566	31.60	45.20	10.60		476.
77	7	27	2100	95.	.078	.035	.300	.010	.638	112.00	45.20	4.69		466.
77	7	28	1600	87.	.055	.021	.160	.011	.270	17.30	43.40	4.63		471.
77	7	30	800	780.	.439	.047	1.010	.012	1.360	495.00	37.70	4.91		366.
77	8	1	2015	173.	.156	.068	.430	.048	.483	44.80	49.10	5.50		489.
77	8	2	1400	132.	.146	.136	.990	.011	.487	44.80	38.70			527.
77	8	2	1400	132.	.144	.136	.990	.012	1.203	177.00	32.70			451.
77	8	9	830	444.	.326	.132	.990	.017	4.850	2036.00	27.50			397.
77	8	10	1330	1865.	1.360	.028	.790	.010	1.200	430.00	25.80			347.
77	8	12	800	1308.	.453	.073	.910	.010	2.830	1409.00	20.60			318.
77	8	14	1514	2641.	1.000	.042	.270	.143		108.00				
77	8	15	1545	320.	.223	.041	.740	.023	1.270	417.00	37.10			467.
77	8	17	915	390.	.362	.029	.740	.032	1.760	836.00	29.00			435.
77	8	17	930	395.	.593	.045	.900	.012	2.310	842.00	32.30	7.94		441.
77	8	17	931	395.	.599	.045	.900	.012						

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CHAGRIN RIVER

STREAM : CHAGRIN RIVER

LOCATION W/CODE : AT WILLOUGHBY, OHIO

USGS NO. 04289800

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	8 23	1845	.142	.067	.600	.010		1.220		45.70	30.70	7.58		427.
77	8 24	1845	.137	.051	.610	.015		.780		91.20	30.70	6.99		445.
77	8 26	1745	.064	.042	.350	.010		.238		10.50	42.00	8.49		507.
77	8 31	900	.108	.046	.390	.034		1.480		35.10	40.80	8.35		549.
77	8 31	901	.090	.047	.380	.026		.320		35.70	43.10	9.54		529.
77	9 6	1550	.103	.033	.110	.049		.412		11.60	48.00	5.07		562.
77	9 14	1245	.380	.154	.980	.063		1.250		217.00	51.30	6.36		505.
77	9 14	1246	.337	.148	.990	.060		1.190		155.00	50.40	7.16		498.
77	9 14	1247	.399	.175	1.670	.026		.383		225.00	47.60	7.08		517.
77	9 15	1315	.193	.135	1.520	.335		1.720		64.40	48.10	7.72		471.
77	9 16	1415	.272	.149	1.680	.029		.319		204.00	45.30	8.91		499.
77	9 17	1445	.637	.185	2.400	.056		2.040		708.00	40.50	8.18		380.
77	9 18	1600	.232	.179	2.240	.025				91.50	41.80	8.08		444.
77	9 19	1600	.171	.174	2.200	.036		.287		64.00	40.80	8.15		423.
77	9 20	1600	.200	.172	2.080	.048		1.100		104.00	40.90	8.62		433.
77	9 22	1600	.168	.144	1.580	.032		.743		58.60	42.10	9.98		488.
77	9 26	1130	.201	.143	1.640	.131		.343		110.00	41.70	7.73		469.
77	9 26	1600	.195	.116	1.170	.630		.431		98.30	41.70	8.98		471.
77	9 26	1630	.207	.082	.710	.023		.409		113.00	41.80	7.70		475.
77	10 10	1400	.180	.066	.580	.031		.592		70.20	38.10	7.51		444.

**GRAND RIVER
AT
PAINESVILLE , OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : GRAND RIVER

STREAM : GRAND RIVER

LOCATION W/CODE : NEAR PAINESVILLE, OHIO USGS NO. 04212200

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3 12	1100	.044	.004	.560	.010				11.00	27.30	5.34		264.
77	3 10	1655	.194	.002	.615	.039				472.00	21.70	4.52		214.
77	3 10	2345	.095	.005	.524	.003				137.00	22.30	4.06		204.
77	3 19	823	.162	.012	.499	.110				103.00	25.80	4.37		275.
77	3 19	1037	.260	.004	.490	.033				201.00	21.00	4.31		202.
77	3 19	1234	.140	.006	.494	.003				25.00	23.40	4.32		214.
77	3 19	1502	.085	.006	.492	.003				209.00	22.30	4.24		212.
77	3 19	2009	.072	.004	.538	.015				154.00	23.20	4.28		202.
77	3 19	2245	.080	.005	.520	.041				107.00	22.00	4.32		190.
77	3 20	1006	.057	.002	.520	.003				138.00	20.70	3.84		204.
77	3 20	1941	.056	.009	.568	.034				96.00	22.30	4.58		211.
77	3 21	951	.092	.003	.532	.010				46.00	22.10	4.54		200.
77	3 22	5	.039	.005	.5284	.003				81.00	19.90	4.43		162.
77	3 23	2237	.150	.004	.450	.003				36.00	19.80	4.52		212.
77	3 24	927	.075	.007	.494	.003				39.00	20.20	4.44		195.
77	3 25	942	.055	.004	.489	.065				37.00	21.30	4.47		196.
77	3 25	2003	.056	.005	.492	.003				35.00	23.20	4.56		216.
77	3 26	1202	.050	.006	.490	.003				50.00	22.30	4.57		212.
77	3 26	2147	.045	.005	.486	.003				195.00	21.40	4.50		226.
77	3 27	958	.038	.004	.460	.003				30.00	22.70	4.54		214.
77	3 27	1219	.045	.005	.468	.022				26.00	29.30	4.54		259.
77	4 2	2100	.030	.004	.360	.003				35.00	29.40	4.08		267.
77	4 3	131	.095	.003	.548	.022				69.00	26.90	4.22		244.
77	4 3	831	.210	.031	.430	.003				65.00	23.70	4.50		232.
77	4 3	2010	.090	.003	.345	.003				110.00	23.00	4.16		254.
77	4 3	2000	.119	.006	.340	.003				101.00	25.10	3.67		223.
77	4 3	2354	.435	.002	.350	.003				132.00	26.70	3.74		210.
77	4 4	1005	.110	.005	.405	.003				167.00	19.10	4.04		202.
77	4 4	2010	.130	.005	.360	.003				102.00	16.70	3.73		192.
77	4 4	2335	.079	.004	.349	.003				109.00	16.40	3.79		194.
77	4 5	1237	.173	.006	.400	.193				97.00	17.20	4.00		199.
77	4 5	1630	.135	.005	.360	.003				71.00	17.10	4.06		189.
77	4 5	2100	.150	.037	.350	.061				71.00	16.20	4.04		193.
77	4 6	225	.057	.006	.330	.003				59.00	16.60	4.29		206.
77	4 6	1125	.070	.006	.280	.006				62.00	18.90	3.83		201.
77	4 6	2040	.073	.012	.292	.003				64.00	19.00	4.02		200.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : GRAND RIVER

STREAM : GRAND RIVER

LOCATION W/CODE : NEAR PAINESVILLE, OHIO

USGS NO. 04212200

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	7	1135	2436.	.078	.006	.305	.043		31.00	16.60	4.13		220.
77	4	7	1430	2423.	.095	.005	.275	.003		36.00	16.10	4.10		220.
77	4	8	1000	2712.	.122	.068	.344	.003		35.00	18.20	4.21		226.
77	4	9	1138	2553.	.124	.054	.270	.003		30.00	18.50	3.84		221.
77	4	9	2010	2782.	.520	.500	.310	.003		36.00	18.50	3.87		219.
77	5	17	1857	130.	.050	.003	.104	.020		13.00	36.00	1.33		372.
77	5	24	1115	101.	.365	.315	.232	.004		22.00	31.40	1.24		406.
77	6	6	1255	294.	.447	.447	.670	.172		433.00	39.50	3.23		401.
77	6	6	1440	298.	.280	.021	.660	.143		252.00	38.70	3.23		333.
77	6	6	1600	274.	.370	.250	.710	.075		118.00	35.10	3.44		390.
77	6	6	1725	253.	.240	.020	.708	.126		219.00	34.10	3.57		360.
77	6	6	1925	228.	.368	.104	.744	.120		184.00	35.30	3.52		365.
77	6	6	2126	218.	.275	.029	.722	.123		164.00	36.00	3.32		399.
77	6	6	2355	173.	.243	.064	.720	.119		123.00	36.50	3.28		383.
77	6	7	114	162.	.183	.027	.810	.033		131.00	37.70	3.40		405.
77	6	7	908	126.	.115	.011	.580	.167		58.00	28.80	2.92		374.
77	6	7	1026	117.	.190	.062	.590	.164		52.00	30.40	2.92		383.
77	6	7	1152	109.	.165	.045	.610	.140		34.00	29.40	3.00		360.
77	6	7	1231	105.	.122	.012	.618	.076		38.00	30.30	3.01		381.
77	6	7	1404	99.	.203	.078	.630	.058		45.00	29.00	3.06		378.
77	6	7	1545	94.	.234	.142	.660	.117		55.00	30.40	3.07		374.
77	6	7	1629	91.	.117	.307	.660	.060		53.00	29.10	3.13		366.
77	6	7	2015	83.	.197	.059	.651	.106		46.00	30.30	3.12		316.
77	6	7	2101	80.	.127	.018	.650	.193		35.00	29.80	3.08		360.
77	6	7	2220	78.	.200	.085	.632	.003		40.00	31.70	3.08		380.
77	6	7	2258	77.	.110	.023	.661	.130		8.00	29.40	3.08		325.
77	6	8	1015	79.	.090	.005	.486	.072		36.00	29.00	2.65		375.

ASHTABULA, RIVER
NEAR
ASHTABULA, OHIO

AD-A079 652

CORPS OF ENGINEERS BUFFALO N Y BUFFALO DISTRICT
WATER QUALITY DATA FOR LAKE ERIE BASIN TRIBUTARY MOUTH SAMPLING--ETC(U)
DEC 78

F/8 6/6

UNCLASSIFIED

NL

4 3 4

ALL 4
O'Pembu



END

DATE

FILED

2 - 80

not

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : ASHTABULA RIVER

STREAM : ASHTABULA RIVER

LOCATION W/CODE : NEAR ASHTABULA, OHIO

USGS NO. 04212500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	12	1300	123.	.033	.003	.014	.003	.003	.003	.003	.003	.003	.003
77	4	2	1125	105.	.035	.001	.040	.001	.001	.001	.001	.001	.001	.001
77	4	2	1630	275.	.069	.004	.126	.004	.004	.004	.004	.004	.004	.004
77	4	2	2030	355.	.100	.002	.210	.002	.002	.002	.002	.002	.002	.002
77	4	3	1130	1070.	.085	.003	.003	.003	.003	.003	.003	.003	.003	.003
77	4	3	1630	1082.	.167	.003	.003	.003	.003	.003	.003	.003	.003	.003
77	4	3	1800	1026.	.087	.003	.053	.003	.003	.003	.003	.003	.003	.003
77	4	4	1240	366.	.052	.018	.106	.018	.018	.018	.018	.018	.018	.018
77	4	4	1445	322.	.052	.003	.000	.003	.003	.003	.003	.003	.003	.003
77	4	4	1730	295.	.050	.003	.003	.003	.003	.003	.003	.003	.003	.003
77	4	5	1330	298.	.145	.035	.003	.003	.003	.003	.003	.003	.003	.003
77	4	5	1534	475.	.046	.003	.003	.003	.003	.003	.003	.003	.003	.003
77	4	5	2216	680.	.098	.002	.204	.002	.002	.002	.002	.002	.002	.002
77	4	5	2327	660.	.152	.006	.003	.006	.006	.006	.006	.006	.006	.006
77	4	6	23	641.	.080	.002	.008	.002	.002	.002	.002	.002	.002	.002
77	4	6	1500	360.	.146	.002	.003	.002	.002	.002	.002	.002	.002	.002
77	4	6	1550	344.	.120	.002	.052	.002	.002	.002	.002	.002	.002	.002
77	4	6	1640	333.	.090	.001	.047	.001	.001	.001	.001	.001	.001	.001
77	4	6	1820	322.	.145	.002	.003	.002	.002	.002	.002	.002	.002	.002
77	4	7	1300	246.	.053	.003	.007	.003	.003	.003	.003	.003	.003	.003
77	4	7	1350	246.	.075	.002	.003	.002	.002	.002	.002	.002	.002	.002
77	5	17	2135	8.	.041	.002	.035	.002	.002	.002	.002	.002	.002	.002
77	5	24	1300	5.	.089	.065	.003	.065	.003	.003	.003	.003	.003	.003

**CONNEAUT CREEK
AT
CONNEAUT, OHIO**

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CONNEAUT CREEK

STREAM : CONNEAUT CREEK

LOCATION W/CODE : AT CONNEAUT, OHIO

USGS NO. 04213000

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	3	12	1330	305.	.045	.003	.510	.018	.003	12.00	11.90	4.64		
77	4	2	1200	293.	.031	.002	.494	.003	.003	24.00	17.50	3.05		
77	4	2	1745	440.	.031	.002	.520	.185	.003	115.00	17.50	3.31		
77	4	3	1230	1196.	.100	.002	.456	.020	.020	84.00	35.10	3.20		
77	4	3	1700	1413.	.098	.001	.400	.003	.003	153.00	8.40	2.87		
77	4	4	1320	1060.	.096	.002	.348	.003	.003	145.00	12.00	3.33		
77	4	4	1400	940.	.129	.002	.405	.003	.003	159.00	11.70	3.39		
77	4	4	1000	716.	.086	.001	.354	.003	.003	95.00	7.80	3.50		
77	4	5	1405	452.	.170	.003	.486	.060	.060	203.00	20.30	4.23		
77	4	5	1510	452.	.398	.015	.350	.003	.003	59.00	15.90	4.63		
77	4	5	2243	382.	.083	.022	.490	.005	.005	32.00	11.70	4.00		
77	4	5	2352	391.	.193	.026	.380	.003	.003	26.00	11.80	4.08		
77	4	6	1350	476.	.083	.001	.510	.003	.003	21.00	11.70	3.78		
77	4	6	1430	476.	.075	.001	.515	.077	.077	58.00	12.60	3.70		
77	4	6	1520	468.	.068	.001	.480	.003	.003	45.00	11.60	3.74		
77	4	6	1600	456.	.052	.001	.500	.003	.003	30.00	12.20	3.76		
77	4	6	1700	456.	.056	.001	.508	.003	.003	45.00	13.60	3.72		
77	4	6	1800	448.	.065	.001	.480	.003	.003	50.00	13.60	3.67		
77	4	6	1900	444.	.140	.001	.500	.003	.003	36.00	13.60	3.68		
77	4	7	1230	346.	.035	.001	.400	.003	.003	18.00	10.20	3.28		
77	4	7	1330	343.	.100	.001	.410	.023	.023	23.00	12.10	3.31		
77	5	17	2215	38.	.035	.002	.170	.004	.004	16.00	21.30	.50		
77	5	24	1400	31.	.054	.002	.230	.025	.025	4.00	23.10	.67		

CATTARAUGUS CREEK
AT
GOWANDA, NEW YORK

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT CONANDA, NEW YORK

USGS NO. 04213500

SAMPLING DATE VR NO	TIME 2000 BY	FLOW CFS HRS.	TOTAL SOLIDS MG/L	TOY DIS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	1 11	1300	6440.	3215.0	115.0			
75	1 11	1300	6440.	3385.0	90.0			
75	1 11	1300	6440.	3213.0	110.0			
75	1 12	1200	3040.	7110.0	91.0			
75	1 12	1200	3040.	6940.0	97.0			
75	1 12	1200	3040.	7740.0	104.0			
75	1 14	1710	890.	1040.0	134.0			
75	1 23	1715	500.	2160.0	176.0			
75	1 23	1715	500.	1310.0	81.0			
75	1 29	935	870.	6490.0	189.0			
75	1 29	1135	2640.		18.0	7.0		
75	1 29	1215	4120.	3772.0	492.0			
75	1 29	1415	8400.		20.0	12.0		
75	1 29	1455	10100.	5619.0	139.0			
75	1 29	1455	13400.	6295.0	169.0			
75	1 29	1925	14850.		12.0	0.0		
75	1 29	2005	14750.	7946.0	126.0			
75	1 29	2245	12000.		11.0	0.0		
75	1 29	2325	12200.	4956.0	126.0			
75	1 30	205	11000.		9.0	7.0		
75	1 30	325	9540.	3260.0	90.0			
75	1 30	525	7160.		9.0	7.0		
75	1 30	605	6600.	2161.0	101.0			
75	1 30	645	5320.	1309.0	89.0			
75	1 30	1230	4170.		9.0	6.0		
75	1 30	1350	3000.		9.0	6.0		
75	1 30	1630	3450.	976.0	126.0			
75	1 30	1730	3230.		7.0	7.0		
75	1 31	20	2490.	599.0	135.0			
75	1 31	300	2490.		9.0	6.0		
75	1 31	1320	1700.	344.0	144.0			
75	1 31	1425	1650.	329.0	139.0			
75	1 31	1825	1640.		9.0	6.0		
75	2 1	1200	1130.	200.0	140.0			
75	2 1	1300	1120.		7.0	5.0		
75	2 2	840	870.	225.0	165.0			

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT GOVANDA, NEW YORK

USGS NO. 84213500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	2	2	1640					
75	2	3	448	170.0	6.0	4.0		
75	2	3	1248		5.0	4.0		
75	2	16	1450	184.0				
75	2	16	1451	186.0				
75	2	17	615	175.0	3.0	3.0		
75	2	17	1815		5.0	4.0		
75	2	17	1515	175.0				
75	2	17	1715	141.0				
75	2	18	930	1630	6.0	6.0		
75	2	18	1635	1610				
75	2	19	120	1408	9.0	7.0		
75	2	19	210	1426	6.0	5.0		
75	2	19	1130	1160	5.0	5.0		
75	2	20	1200	790	4.0	4.0		
75	2	20	1204	790				
75	2	21	1155	555	5.0	5.0		
75	2	21	1159	555	5.0	5.0		
75	2	22	1225	560	9.0	8.0		
75	2	23	1500	3420	7.0	7.0		
75	2	23	2145	4500				
75	2	24	25	4500				
75	2	24	425	4000	7.0	7.0		
75	2	24	785	4000	7.0	7.0		
75	2	24	1200	18400	8.0	8.0		
75	2	24	1640	12100				
75	2	24	2020	13010	9.0	8.0		
75	2	24	2300	12350	7.0	7.0		
75	2	25	220	11450				
75	2	25	300	11540				
75	2	25	620	8700	6.0	6.0		
75	2	25	900	7230	6.0	6.0		
75	2	25	1210	5510	5.0	5.0		
75	2	25	1640	4400	5.0	5.0		
75	2	26	1155	2100				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT GOWANDA, NEW YORK

USGS NO. 04213500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL SOLIDS MG/L	TOT DIS SOLIDS MG/L	TOTAL ORG C MG/L	DIS. ORG C MG/L	TOTAL C MG/L	SOL PHOS MG/L
75	2 27	900	1630.	154.0	5.0	5.0		
75	2 28	1425	1160.	157.0	5.0	4.0		
75	5 23	1200	730.	199.0	12.0	11.0		
75	5 23	1630	700.	197.0	9.0	9.0		
75	5 23	2100	650.	178.0				
75	5 24	300	590.		0.0	7.0		
75	5 24	430	540.	212.0				
75	5 24	600	3000.	180.0				
75	5 24	1020	1600.	181.0	15.0	13.0		
75	5 24	1050	1410.	137.0				
75	5 24	1650	890.		13.0	5.0		
75	5 24	1050	760.	160.0				
75	5 25	250	560.		7.0	7.0		
75	5 25	450	540.	165.0				
75	5 25	1250	470.		0.0	7.0		
75	5 25	1450	460.	167.0				
75	5 25	2250	400.		10.0	10.0		
75	5 26	910	360.	106.0				
75	5 26	1020	360.	214.0				
75	5 26	1520	360.	230.0				
75	5 26	2020	360.	226.0				
75	5 27	10	400.		7.0	6.0		
75	5 27	110	400.	167.0				
75	5 27	510	500.		0.0	7.0		
75	5 27	610	500.	181.0				

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT GOVANDA, NEW YORK

USGS NO. 04213500

SAMPLING DATE	TIME	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY												
75	1	11	1300	6440.	.064	.033	.600	.070	.400	.470	46.00	6.60	4.10	170.
75	1	11	1300	6440.	.064	.033	.600	.070	.400	.470	46.00	6.60	4.10	170.
75	1	11	1300	6440.	.064	.033	.600	.070	.400	.470	46.00	6.60	4.10	170.
75	1	12	1200	3090.	.282	.020	1.000	.070	.560	.630	48.00	7.60	5.60	184.
75	1	14	1710	890.	.124	.014	1.400	.030	.156	.212	6.00	8.80	5.60	278.
75	1	23	1715	500.	.036	.016	1.400	.140	.100	.100	37.00	12.00	5.60	302.
75	1	23	1715	500.	.036	.016	1.400	.140	.140	.140	24.00	11.00	5.60	312.
75	1	23	1716	500.	.036	.016	1.400	.140	.140	.140	24.00	11.00	5.60	312.
75	1	29	1015	1250.	.137	.005	1.000	.189	.032	.221		12.00	3.70	
75	1	29	1015	1250.	.137	.005	1.000	.189	.032	.221		12.00	3.70	
75	1	29	1015	1250.	.137	.005	1.000	.189	.032	.221		12.00	3.70	
75	1	29	1215	4120.	.340	.006	.680	.066	.682	.748		9.00	3.30	
75	1	29	1215	4120.	.340	.006	.680	.066	.682	.748		9.00	3.30	
75	1	29	1215	4120.	.340	.006	.680	.066	.682	.748		9.00	3.30	
75	1	29	1335	5540.		.015					7.10	5.10		
75	1	29	1335	5540.		.015					7.10	5.10		
75	1	29	1455	10100.		.019	.600	.072	.724	.796				1.54
75	1	29	1455	10100.		.019	.600	.072	.724	.796				1.54
75	1	29	1535	12800.		.022	.600	.030			6130.00		5.10	
75	1	29	1535	12800.		.022	.600	.030			6130.00		5.10	
75	1	29	1615	13400.							10.00	2.80	4.50	
75	1	29	1615	13400.							10.00	2.80	4.50	
75	1	29	1725	14050.		.603	.800	.050		2.070				
75	1	29	1725	14050.		.603	.800	.050		2.070				
75	1	29	1725	14050.		.603	.800	.050		2.070				
75	1	29	1805	14400.		.017		.260		1.420				
75	1	29	1805	14400.		.017		.260		1.420				
75	1	29	1845	14750.							7020.00			
75	1	29	1845	14750.							7020.00			
75	1	29	2005	14750.		.018	.800	.166	.843	.748				
75	1	29	2005	14750.		.018	.800	.166	.843	.748				
75	1	29	2045	13700.		.015					10.00	3.20	5.40	
75	1	29	2125	13100.		.015					10.00	3.20	5.40	
75	1	29	2205	12800.							14.00	6.20		
75	1	29	2325	12200.							14.00	6.20		
75	1	30	5	11900.		.505	.900	.197	.527	.724				
75	1	30	5	11900.		.505	.900	.197	.527	.724				
75	1	30	45	11900.		.505	.900	.197	.527	.724				
75	1	30	45	11900.		.505	.900	.197	.527	.724				
75	1	30	325	9540.		.576	.900	.014			3170.00	5.80		
75	1	30	405	8700.		.576	.900	.014			3170.00	5.80		
75	1	30	445	7920.		.012			64.00					
75	1	30	525	7160.							7.30			
75	1	30	605	6680.							17.00			
75	1	30	645	6200.		.720	1.000	.023	.230	.253			4.50	
75	1	30	725	5760.		.720	1.000	.023	.230	.253			4.50	
75	1	30	805	5540.		.720	1.000	.023	.230	.253			4.50	
75	1	30	845	5320.		.720	1.000	.023	.230	.253			4.50	

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT GOWANDA, NEW YORK

USGS NO. 04213500

SAMPLING DATE	TIME	FLOW	TOTAL PHOS. MG/L	CRTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
YR	MO	DAY	MRS.											
75	1	30	925	5100.							13.00			
75	1	30	1005	4900.							13.00			
75	1	30	1045	4700.								4.50		
75	1	30	1230	4170.								5.10		
75	1	30	1350	3800.										
75	1	30	1430	3800.										
75	1	30	1510	3800.										
75	1	30	1550	3800.										
75	1	30	1630	3450.										
75	1	30	1730	3230.										
75	1	30	1820	2940.										
75	1	30	1900	2940.										
75	1	30	1940	2940.										
75	1	30	2220	2790.										
75	1	31	20	2490.										
75	1	31	103	2490.										
75	1	31	140	2490.										
75	1	31	220	2490.										
75	1	31	300	2490.										
75	1	31	500	2210.										
75	1	31	820	2080.										
75	1	31	1020	1700.										
75	1	31	1140	1700.										
75	1	31	1320	1700.										
75	1	31	1425	1650.										
75	1	31	1525	1724.										
75	1	31	1625	1724.										
75	1	31	1725	1676.										
75	1	31	1825	1640.										
75	1	31	2125	1520.										
75	2	1	225	1380.										
75	2	1	725	1230.										
75	2	1	825	1230.										
75	2	1	1115	1130.										
75	2	1	1205	1130.										
75	2	1	1305	1120.										

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM

LOCATION W/CODE : AT GOWANDA, NEW YORK

USGS NO. 04213500

SAMPLING TIME			FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C UMHO
DATE	TIME	DAY													
75	2	1	1643	1080.				.464							
75	2	2	290	998.				.481							
75	2	2	840	870.							60.00				
75	2	2	1040	870.								11.00			
75	2	2	1240	870.	.162	.010		.632					5.60		
75	2	2	1440	870.			.169	.055	.224						
75	2	2	1640	870.						12.00					
75	2	3	440	680.							50.00				
75	2	3	840	680.	.073	.010	1.200			15.00			5.10		
75	2	3	1240	680.											
75	2	3	1325	680.				.381							
75	2	16	1450	480.						10.00		14.00			
75	2	16	1451	480.							50.00				
75	2	16	1453	480.	.077	.012	1.300	.334	.785		40.00				
75	2	16	1454	480.	.058	.012	1.100	.186	.726					5.60	2.07
75	2	17	615	540.							70.00			1.83	
75	2	17	715	540.								15.00			
75	2	17	815	540.	.020	.002	1.500	.135	.797				6.10		
75	2	17	915	540.											
75	2	17	915	540.						13.00					
75	2	17	1015	540.											
75	2	17	1415	550.				.732	1.050	20.00					
75	2	17	1515	550.							130.00				
75	2	17	1715	550.								15.00			
75	2	17	1915	584.											
75	2	17	2115	619.											
75	2	18	930	1630.	.068	.002	1.400		.223	38.00			5.10		
75	2	18	930	1630.	.046	.002	1.400				660.00		4.10		
75	2	18	1635	1610.	1.080	.008	1.200	1.010	.207	15.00			6.10		
75	2	18	1658	1610.											
75	2	19	30	1470.	.103	.010				19.00					
75	2	19	120	1440.							230.00				
75	2	19	210	1426.											
75	2	19	363	1393.											
75	2	19	320	1371.											
75	2	19	1130	1160.	.068	.004	1.000	.222	.999	16.00			4.80		
75	2	19	1130	1160.				.493	.709		150.00		8.70		
75	2	20	1200	790.	.120	.012	1.000				100.00		6.20		
75	2	20	1201	790.				.689	.909	9.00					

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT GOWANDA, NEW YORK

USGS NO. 84213500

SAMPLING DATE YR MO DY	TIME 2400	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	2 21	1155												
75	2 21	1156	.110	.012	1.000	.237	1.040	1.270	9.00	80.00	13.00	6.20		
75	2 22	1225			1.200	.221	.696	.917	8.00	100.00	12.00	6.20		
75	2 23	1500			1.500		.146	.771	44.00	1350.00	9.60	6.20		
75	2 23	1455			.900					1620.00	8.60			
75	2 23	2225												
75	2 23	2305												
75	2 23	2345	.450	.014	.700	.209	1.540	1.750	54.00			4.80		
75	2 24	25								1430.00	7.30			
75	2 24	425												
75	2 24	505												
75	2 24	545												
75	2 24	625	.690	.010	.800	.309	.826	1.140				4.30		
75	2 24	705												
75	2 24	1200	4.000	.015	.800	.278	2.440	2.720	93.00	2950.00	6.30	4.30		
75	2 24	1640	2.100	.015	.800	.396	2.280	2.680	98.00	3350.00	5.80	2.90		
75	2 24	2020								3720.00	5.60			
75	2 24	2100												
75	2 24	2140	1.050	.015	.800	.235	2.560	2.800	67.00			5.30		
75	2 24	2220												
75	2 24	2300	.550	.015		.163	2.500	2.660	89.00	1400.00	6.20	5.80		
75	2 25	220							3.00					
75	2 25	300												
75	2 25	300												
75	2 25	340												
75	2 25	420	.077	.010	1.000	.173	.650	.825						
75	2 25	4700								2270.00	6.00			
75	2 25	700												
75	2 25	740	.418	.015	.700	.153	1.840	1.990	68.00			4.30		
75	2 25	8180												
75	2 25	900												
75	2 25	1220	.250	.010	.800	.190	1.380	1.570	50.00	1470.00	6.80	3.40		
75	2 25	1640	.255	.012	.800	.147	1.310	1.460	46.00	1180.00	6.60	5.30		
75	2 26	1155	.132	.011	.900	.318	1.060	1.370	16.00	380.00	9.30	6.70		
75	2 27	865	.110	.005	1.100	.185	.702	.887	16.00	220.00	10.00	7.60		
75	2 28	1425	.145	.004	1.300	.165	.732	.917	22.00	150.00	9.90	6.20		

LAKE EPIE WASTE-WATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CJDE : AT GOWANDA, NEW YORK

USGS NO. 04213500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHO PHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLO RIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
75	2 28	1426	.182	.004	.800	.207	.733	.940	76.00	1370.00	9.10	5.40		
75	5 23	1200	.500	.012	.800	.235	1.430	1.660	32.00	750.00	9.10	5.40		
75	5 23	1630	.012	.006	.800					200.00				
75	5 23	2100	.650											
75	5 23	2230	.620											
75	5 23	2400	.016	.006	.800	.128	.242	.370	18.00			9.10	6.70	
75	5 24	300	.550							130.00	11.00			
75	5 24	430								3680.00	8.70			
75	5 24	600	3000											
75	5 24	730	.040	.019	1.100	.645	2.500	3.140						
75	5 24	2790	.048	.024	1.100	.318	3.360	3.680						
75	5 24	900	.056	.022	.800	.166	.278	.444	160.00	2530.00	5.80	4.00	4.00	
75	5 24	1020								1880.00	6.30			
75	5 24	1050	.056	.018		.116	1.190	1.310						
75	5 24	1250			.500				61.00					
75	5 24	1450								510.00				
75	5 24	1650												
75	5 24	1850												
75	5 24	2050	.140	.010	.800	.128	.170	.298						
75	5 24	2250							23.00					
75	5 25	250	.068	.004		.076	.341	.417		140.00				
75	5 25	450												
75	5 25	450												
75	5 25	850									8.90			
75	5 25	650												
75	5 25	1050				.800								
75	5 25	1250							19.20					
75	5 25	1450												
75	5 25	1450												
75	5 25	1650												
75	5 25	1850												
75	5 25	2050			.800	.098	.314	.412		70.00	10.00			
75	5 25	2250	.054	.004										
75	5 25	2250												
75	5 26	910	.048		.900	.108	.175	.283	19.60	40.00	13.00	4.00	4.70	
75	5 26	1020							14.60	30.00				
75	5 26	1420												
75	5 26	1520												
75	5 26	2020								40.00				
75	5 26	2120								50.00				
75	5 26	2120									12.00			

USS NO. 04213500

[illegible]

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT BOVANDA, NEW YORK

USGS NO. 84213588

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 NO-3 MG/L	NH-3 MG/L	ORG. MIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND. 25C. UMHO
77	3 15	1525	.218	.002	1.188	.113				313.08	8.38	3.86		212.
77	3 16	1435	.060	.002	1.190	.149				236.00	8.30	3.94		218.
77	3 17	1630	.024	.002	1.288	.067				136.00	9.30	4.14		234.
77	3 29	3010	.218	.005	1.038	.003				565.00	7.30	3.56		289.
77	3 29	600	.288	.004	1.020	.038				501.00	7.20	3.55		211.
77	3 30	1855	.116	.011	1.120	.051				122.00	7.70	3.63		224.
77	3 30	2235	.098	.004	1.130	.053				126.00	7.60	3.81		226.
77	3 31	420	.130	.003	1.080	.075				152.00	9.00	3.75		179.
77	3 31	730	.068	.014	1.030	.043				174.00	7.80	3.76		243.
77	3 31	1831	.180	.002	1.020	.055				201.00	7.90	3.57		224.
77	3 31	1645	.068	.003	1.020	.003				190.00	8.00	3.66		231.
77	3 31	2020	.073	.002	.965	.181				132.00	15.80	3.56		237.
77	3 31	2310	.077	.002	.955	.062				98.00	8.30	3.88		238.
77	4 4	1510	.080	.003	1.040	.076				66.00	9.00	3.67		251.
77	4 4	1850	.085	.005	1.080	.088				74.00	9.70	3.85		255.
77	4 4	2150	.065	.003	1.110	.071				55.00	10.10	3.93		257.
77	4 5	315	.058	.003	1.120	.107				59.00	13.70	3.94		260.
77	4 5	630	.042	.005	1.150	.137				47.00	9.70	3.90		264.
77	4 5	1800	.049	.002	1.170	.128				47.00	9.90	3.91		278.
77	4 23	1830	.410	.004	.924	.012				2421.00	4.70	3.34		211.
77	4 23	2200	.486	.004	.918	.185				2757.00	4.20	3.17		218.
77	4 24	450	1.540	.003	.960	.003				2349.00	4.90	3.18		284.
77	4 24	810	.814	.003	1.030	.003				2009.00	5.00	3.47		283.
77	4 24	1100	.496	.003	1.060	.112				1656.00	4.90	3.46		287.
77	4 24	1640	.510	.004	1.160	.078				903.00	5.90	3.63		218.
77	4 24	1920	.580	.003	1.200	.078				870.00	5.70	3.76		219.
77	4 24	2200	.356	.003	1.230	.095				676.00	6.10	3.86		213.
77	4 25	330	.380	.003	1.230	.003				424.00	6.40	4.02		215.
77	4 25	630	.127	.003	1.320	.065				396.00	6.80	4.00		216.
77	4 25	925	.175	.002	1.330	.061				368.00	6.60	4.05		228.
77	4 25	1658	.120	.003	1.430	.131				272.00	7.60	4.09		231.
77	4 25	1935	.059	.003	1.440	.180				222.00	7.30	4.14		230.
77	4 25	2240	.145	.003	1.470	.044				223.00	7.40	4.17		235.
77	4 26	330	.115	.003	1.480	.046				120.00	7.10	4.19		235.
77	4 26	630	.090	.002	1.530	.268				149.00	8.10	4.25		244.
77	4 26	930	.066	.002	1.550	.036				158.00	8.50	4.21		245.

LAKE ERIE WASTEWATER MANAGEMENT STUDY - WATER QUALITY INFORMATION

MAJOR RIVER BASIN : CATTARAUGUS CREEK

STREAM : CATTARAUGUS CREEK

LOCATION W/CODE : AT GOWANDA, NEW YORK

USGS NO. 04213500

SAMPLING DATE YR MO DY	TIME 2400 HRS.	FLOW CFS	TOTAL PHOS. MG/L	ORTHOPHOS. MG/L	NO-2 MG/L	NH-3 MG/L	ORG. NIT. MG/L	TOTAL KJELD MG/L	COD MG/L	SUSPEND SOLIDS MG/L	CHLORIDE MG/L	SI02 MG/L	IRON MG/L	COND 25C. UMHO
77	4	26	1615	.089	.002	1.610	.135			88.00	8.20	4.27		250.
77	4	26	1905	.116	.005	1.620	.041			93.00	8.10	4.34		256.
77	4	26	2140	.095	.002	1.640	.103			117.00	8.60	4.35		255.
77	4	27	230	.106	.002	1.370	.074			160.00	8.00	3.92		240.
77	4	27	515	.085	.002	1.360	.100			132.00	8.50	3.07		253.
77	5	5	1400	.090	.003	.850	.055			851.00	6.50	3.40		223.
77	5	5	1650	.078	.003	.865	.036			543.00	6.50	3.45		215.
77	5	5	2005	.240	.002	.898	.067			312.00	7.20	3.68		215.
77	6	6	1650	.061	.005	1.350	.174			17.00	14.50	1.95		214.
77	6	6	1810	.065	.004	1.360	.150			11.00	15.30	2.09		376.
77	6	6	1940	.063	.003	1.370	.169			11.00	13.50	2.23		377.
77	6	6	2040	.060	.003	1.340	.149			32.00	13.00	2.24		371.
77	6	6	2155	.116	.003	1.370	.172			39.00	13.20	2.40		271.
77	6	6	2300	.050	.000	1.390	.160			28.00	12.90	2.40		362.
77	6	7	300	.095	.004	1.440	.155			14.00	14.40	2.02		365.
77	6	7	410	.053	.004	1.470	.170			89.00	13.90	2.98		363.